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UNIVERSITY GENERAL INFORMATION

About Creighton

There is no university in the country like Creighton University in terms of size, the array of professional and graduate programs offered, and the strong commitment to Catholic and Jesuit ideals and values. Founded in 1878 and one of 28 Jesuit colleges and universities in the United States, Creighton is a vibrant and diverse learning community that offers its students more than an education.

Nationally recognized for providing a challenging and balanced educational experience, the University offers a rigorous academic agenda with a broad range of disciplines, providing more than 8,000 undergraduate, graduate and professional students with interdisciplinary degree programs that emphasize education of the whole person—academically, socially and spiritually. The student body represents all 50 states and U.S. territories, as well as more than 40 countries.

More than 115 academic programs are offered in nine colleges and schools (arts and sciences, business, nursing, law, dental, medicine, pharmacy, OT, PT and other health professions, graduate school, and adult learning and degree completion). Average class size is 22, with an 11:1 student-to-faculty ratio. Creighton study abroad programs take students to more than 50 locations around the world annually.

The University has been consistently ranked a top Midwest regional university by *U.S. News & World Report* and in 2015 also was among the 200 colleges and universities profiled in Princeton Review's *Colleges That Pay You Back: The 200 Best Value Colleges and What It Takes to Get In*. In the Jesuit tradition of service, Creighton students last year contributed more than 1 million hours of community service locally, nationally and internationally.

Location

Omaha, with a metropolitan area population of nearly 1 million, is Nebraska's largest city. It is located on the western bank of the Missouri River, which serves as the Nebraska-Iowa border. The city is the major urban area between Chicago and Denver and between Kansas City and Minneapolis. Creighton's 139-acre campus is within walking distance of downtown and riverfront business, sports/recreational, cultural and entertainment districts. Creighton also is conveniently located close to hotels and the airport.

Omaha is on a number of "best" lists, as reported by the Greater Omaha Economic Development Partnership. These include No. 1 in the Top 10 Best American Cities to Work in Tech (*Wallethub.com*, 2015); Top 10 Cities for New College Grads (*SmartAsset*, 2015); The Best Cities to Find a Job in 2016 (*ZipRecruiter*); and The 5 Best Big Cities (Best in the Midwest) (*Time.com/money*, 2015).

In addition to the main campus in Omaha and online education accessible from anywhere in the world, Creighton has a College of Nursing campus in Hastings, Neb., and a School of Medicine campus in Arizona. Creighton's regional campus in Phoenix at St. Joseph's Hospital and Medical Center is the only Catholic medical school west of Omaha.

History

Edward and Mary Lucretia Creighton, along with Edward's brother John, settled in Omaha in the mid-1850s. John married Mary Lucretia's sister Sarah Emily Wareham in 1868 and the four are considered the founders of Creighton University. Edward's work with the transcontinental telegraph and freighting, ranching, railroading and banking became a major force in the city's economic development. The two brothers were widely known for their business enterprises, and the two couples were equally widely regarded for their philanthropy.

Edward died in 1874 and his widow included \$100,000 in her will to establish Creighton College in her husband's memory. Mary Lucretia died in 1876 and her executors, who included her brother-in-law John, purchased 6.2 acres of land at the northwest corner of what is currently 24th and California streets. They began to build a school and transferred the land, building and additional securities to Bishop James O'Connor of Omaha.

The bishop asked the Jesuits to operate the school and the first president, the Rev. Roman A. Shaffel, S.J., arrived in Omaha in late 1877; the school opened on Sept. 2, 1878, to 120 students. Bishop O'Connor in 1879 surrendered his trust to the Jesuits, who incorporated the University under Nebraska law.

Edward and Mary Lucretia's generosity is credited with establishing Creighton College, while John and Sarah Emily's philanthropy enlarged it to a five-school university. Today, Creighton University consists of nine schools and colleges:

- College of Arts and Sciences (1878)
- School of Medicine (1892)
- School of Law (1904)
- School of Dentistry (1905)
- School of Pharmacy and Health Professions (1905)
- Heider College of Business (1920)
- Graduate School (1926)
- College of Nursing (four-year bachelor's degree program began in 1958; college established in 1971)
- College of Professional Studies (established as University College in 1983)

Creighton Colleges and Schools

College of Arts and Sciences (<http://ccas.creighton.edu>)

The College of Arts and Sciences is the oldest and largest of Creighton's nine colleges and schools. The college offers more than 60 majors and minors; an 11:1 faculty-to-student ratio; and research opportunities for undergraduates in all disciplines. Creighton encourages student involvement in research through the Center for Undergraduate Research and Scholarship (CURAS); nearly 200 undergraduate students present research at national and regional scholarly conferences annually. These efforts and others have resulted in Creighton being named among only 49 universities in the nation for undergraduate research opportunities by *U.S. News & World Report* — and the only Jesuit university to be recognized in 2015.

More than half of the college's students attend graduate or professional school upon graduation, at such institutions as Harvard, Stanford, Oxford and Cambridge universities. The College of Arts and Sciences

hosts a chapter of Phi Beta Kappa, the nation's oldest and most prestigious honor society for liberal arts and sciences graduates. Interdisciplinary programs include such areas as neuroscience, healthy lifestyle management, sustainability studies, digital humanities, health administration, and justice and peace studies. The Department of Journalism, Media and Computing prepares students for success in today's technology-driven world by melding programs in journalism, graphic design and computing.

Heider College of Business (<http://business.creighton.edu>)

Established in 1920, the Heider College of Business became Creighton's first named college in 2013, in recognition of philanthropists Charles (BSC'49) and Mary Heider. It is among only 2 percent of schools in the world accredited in both business and accounting by the Association to Advance Collegiate Schools of Business International. The faculty includes more chartered financial analysts than any other higher education institution in the world.

In 2015, Heider College was ranked a Top 100 business program by *U.S. News & World Report* at No. 93; undergraduate finance ranked 14th; and accounting ranked 19th. The college reports 99 percent of recent graduates were employed or in graduate school within six months of graduation; accounting majors have had a 100 percent placement rate for the past 10 years.

Students receive real-world experience, including investing University funds through the Portfolio Practicum class; planning the Creighton Business Symposium, the largest U.S. student-planned business event; and working with the Business Ethics Alliance, the leading nonprofit dedicated to city-level business ethics programming. Programs offering interdisciplinary opportunities include 3/3 Law (business and law degrees attained in six years); Pre-Healthcare (combines a business degree with completion of requirements for health care professional programs); Bioscience and Entrepreneurship (hands-on experience in commercializing medical innovations); and the M.D./MBA (students complete an MBA during the third year of medical school).

College of Nursing (<http://www.creighton.edu/nursing>)

The College of Nursing has achieved a national reputation for innovative programs that keep pace with the ever-changing field of nursing. For example, Creighton's accelerated Bachelor of Science in Nursing (BSN) was one of the first in the nation and Creighton was the first nursing school in Nebraska to offer a Doctor of Nursing Practice (DNP) degree. Creighton nursing faculty members serve on state and national nursing and health care committees and organizations.

The college offers a BSN program on two campuses, in Omaha and Hastings, Neb., and is supplemented by select online courses and tracks. The BSN program includes a traditional four-year direct-entry pathway that allows students to start their college careers as freshmen in nursing, a 12 month accelerated BSN designed for college graduates who pursue nursing as a second degree. The college also offers an on-line RN-BSN degree completion program designed for registered nurses who have graduated from an accredited associate degree or diploma program in nursing and are eligible for licensure in Nebraska. The College of Nursing also offers an innovative undergraduate certificate in Outcomes Management and Care Coordination Leadership. This 24-week on-line program is designed for practicing registered nurses. Completion of

this 12 semester credit hours in this certificate program can be counted towards completion of the RN-BSN degree. The College also collaborates with Hastings College to offer a 3.5+ 1 dual degree program with Hastings College in Hastings, NE. This program is designed for students completing a Health Systems Major or other appropriate major at Hastings College Major, meets the prerequisites for the accelerated BSN and completes all accelerated nursing curriculum (ANC) requirements.

The College offers both MSN and DNP degree programs. The MSN program prepares graduates to be clinical nurse leaders, and clinical systems administrators. The DNP program prepares graduates to be nurse practitioners and clinical systems administrators. The nurse practitioner tracks include the Adult-Gerontology Acute Care Nurse Practitioner, Adult-Gerontology Acute Nurse Practitioner, Family Nurse Practitioner, Neonatal Nurse Practitioner, Pediatric Acute Care Nurse Practitioner, and Psychiatric Mental Health Nurse Practitioner. Graduates who successfully complete their identified NP track meet eligibility for national certification through their appropriate national certification boards.

The College of Nursing offers Post-Graduate Certificates in the following areas: Adult-Gerontology Acute Care Nurse Practitioner, Family Nurse Practitioner, Neonatal Nurse Practitioner, Pediatric Acute Care Nurse Practitioner, and Clinical Nurse Leader. Students who successfully complete the post-graduate certificate meet eligibility for national certification through their appropriate national certification boards. Creighton BSN graduates meet or exceed the national average for first-time pass rates on the National Council Licensure Examination (NCLEX-RN) and annual pass rates on the certification examination for nurse practitioner-track graduates generally range from 90 to 100 percent for first-time test-takers.

Community involvement — at home and abroad — is at the heart of Creighton nursing. Students gain hands-on learning at free health clinics in Omaha and through global health care experiences such as those associated with the Institute for Latin American Concern in the Dominican Republic (ILAC) and China. The College of Nursing collaborates with public and parochial schools in Omaha and surrounding areas to provide state-mandated health screenings. Creighton nursing students, at both the undergraduate and graduate levels, complete preceptorships in some of the nation's largest hospitals as well as in small, rural hospitals, specialty hospitals, and urban and rural clinics.

College of Professional Studies and Summer Sessions (<http://adultdegrees.creighton.edu>)

The College of Professional Studies, established in 1983 as University College, provides on-campus and online undergraduate degrees, certificates and noncredit programs for adult learners. Students enjoy small classes that offer individual attention and the ability to forge strong relationships with fellow learners and faculty. In 2015-2016, there were more than 300 students enrolled in the College of Professional Studies. The college's online bachelor's degree completion programs are ranked No. 20 nationally by *U.S. News & World Report*.

The online Bachelor's in Leadership includes three specialization tracks: health care management, nonprofit management and human capital management; the new online Bachelor of Arts in Healthy Lifestyle Management is designed for students who wish to pursue careers in the growing field of health and wellness. The program is unique because it is rooted in interdisciplinary teaching, research and practice to care for the

whole person—body, mind and spirit. The college offers 12 undergraduate certificate programs including such offerings as business administration, theology, health administration and policy, creative writing and more.

Graduate School (<http://succeed.creighton.edu>)

Creighton's first master's degree was awarded in 1893 and the first Ph.D. was conferred in 1971. Today, the Graduate School offers more than 35 master's degree programs and numerous doctoral programs and is a leader in interdisciplinary education with both on-campus and online programs. More than half of Creighton graduate students are enrolled in online programs.

In 2016, *U.S. News & World Report* ranked Creighton No. 13 in Best Online Graduate Business Programs (Excludes MBA); No. 36 in Best Online Graduate Education Programs; No. 44 in Best Online MBA Programs; and No. 64 in Best Online Graduate Nursing Programs. The Doctoral Program in Interdisciplinary Leadership (Ed.D.) is the Graduate School's largest online program, this year drawing students from 45 states and 10 countries.

The Graduate School is continually adding to its academic offerings with distinctive and innovative programs in a wide variety of fields including business, leadership, conflict resolution, education, school counseling, humanities, health care, public health, ministry, theology and science; creative writing (MFA), East-West studies, medical anthropology, public health, emergency medical services (EMS), finance (MFIN) and health and wellness coaching. Creighton also offers graduate certificates in many fields as well as dual degrees in business, law, medicine, international relations, negotiation/conflict resolution, business intelligence and analytics, health care ethics, leadership and more..

School of Dentistry (<http://www.creighton.edu/dentalschool>)

The School of Dentistry has a reputation for excellence, last year receiving 2,205 applications for 85 available seats; the school's faculty members serve in leadership and advisory roles with local, regional and national organizations. Graduates become general dentists or pursue residency programs, advanced degrees and specialty training in nearly all 50 states; 20 to 25 percent of Creighton dental graduates achieve post-doctoral training. Creighton is considered to have one of the most affordable private dental schools in the United States.

Hands-on clinical experience as well as community service are hallmarks of a Creighton dental education: the dental clinic serves approximately 12,000 patients annually; students and faculty volunteer through OneWorld Community Health Center, "Give Kids a Smile," Heart Ministry Clinic, Special Olympics, outreach in the Dominican Republic and more; through "Building Healthy Futures," Creighton provides preventive oral care and education to approximately 5,000 schoolchildren.

Thirty-nine percent of students come from states without dental schools; Creighton has contracts with Idaho and Wyoming and offers Western Interstate Commission for Higher Education (WICHE) seats for dental students from New Mexico, North Dakota and Wyoming. Creighton has participated in the Robert Wood Johnson Foundation's Dental Pipeline program, encouraging recruitment of Native American students.

School of Law (<http://law.creighton.edu>)

The School of Law was established in 1904. Today, the 300-plus students in the School of Law are taught by 35 full-time professors and 27 adjunct faculty members who are prosecutors, public defenders and other practicing attorneys. Last year's graduates accepted offers of employment in 19 states and two other countries.

Creighton law students have the flexibility to earn a J.D. degree in two, three or four years. Other programs include earning a J.D. plus a master's degree in negotiation and dispute resolution from Creighton's Werner Institute in three years; the Government and Leadership (GOAL) Program, which provides a J.D. and a master's degree in three years plus an externship in Washington, D.C.; and the joint J.D./MBA with the Heider College of Business.

Innovative educational experiences in the school include a constitutional law seminar offered every other year allowing face-to-face discussion with a U.S. Supreme Court justice; the summer program, "From Nuremberg to the Hague," featuring the study of international criminal law, war crimes and the Holocaust in Germany and The Netherlands; and an annual immersion trip to the Dominican Republic that encourages law students to reflect on life, law and poverty in a Third World nation.

The School of Law assists students interested in public-interest law by offering summer grants to first- and second-year students who accept unpaid externships with government and nonprofit law offices. Students also gain experience through the Abrahams Legal Clinic, which gives free legal services to low-income individuals, especially victims of domestic violence, and the Community Economic Development Clinic, which provides free legal services to low-income entrepreneurs.

School of Medicine (<http://medschool.creighton.edu>)

The School of Medicine was established in 1892 as the John A. Creighton Medical College. The school has a regional campus in Phoenix at St. Joseph's Hospital and Medical Center, which is the only Catholic medical school campus west of Omaha. The medical school's primary clinical partner, CHI Health, is the largest health care network in the region and one of the top 15 health care systems in the U.S. CHI Health is affiliated with Colorado-based Catholic Health Initiatives, one of the nation's largest faith-based nonprofit health systems.

Creighton graduates' medical licensing scores and pass rates consistently exceed the national average and 100 percent of Creighton medical students perform community service while in medical school. Creighton was the first Catholic university to receive the prestigious Community Service Award from the Association of American Medical Colleges (AAMC); the award recognized the student-founded and run Magis Medical Clinic, which provides free health care for uninsured and underinsured people in Omaha.

Faculty members and their research are world-renowned. The medical school is an international leader in hereditary cancer and osteoporosis, with other outstanding programs including infectious disease, cardiovascular disease, nutrition/metabolism and neuroscience. A landmark study conducted at Creighton suggested that boosting vitamin D3 intake can significantly reduce the risk of breast and other cancers. Researchers in biomedical sciences, medical microbiology/immunology and pharmacology are making discoveries in atherosclerosis, bacterial

resistance, cancer, hearing restoration, brain injury, bone growth/bone loss and more.

School of Pharmacy and Health Professions (<http://spahp.creighton.edu>)

Established in 1905 as the Creighton College of Pharmacy, the School of Pharmacy and Health Professions (SPAHP) expanded over the years to include other health professions. The school is an academic pioneer, offering: the first clinical doctorates in occupational therapy (OTD) and physical therapy (DPT) in the nation; the first Web-based distance education pharmacy program; the first distance education program in occupational therapy leading to the clinical doctorate in occupational therapy; and 40 years of emergency medical services (EMS) education. SPAHP also has innovative partnerships with the University of Alaska Anchorage (OTD and Pharm.D.) and Regis University in Denver (OTD).

SPAHP faculty are renowned: the school has one of the largest OT faculties in the nation, with 18 faculty members holding terminal degrees; for more than 25 years, faculty members in the Center for Drug Information and Evidence-Based Practice have provided evidence-based, timely and unbiased information to health care professionals (fewer than 15 percent of pharmacy schools in the U.S. offer as much drug information expertise to the professional community); and the Health Services Research Program is recognized nationally for its work in patient safety.

First-time national licensure pass rates in pharmacy, OT and PT have been nearly 100 percent the past several years and more than 75 percent of the school's students receive one to three job offers before they graduate. They have access to an expanse of clinical training sites, with a faculty-student clinical ratio of 1:3, in every health care discipline, including pediatrics, geriatrics, mental health, acute and long-term care and more. Service to others is a hallmark of the school, with students giving nearly 10,000 hours of service per semester.

Mission, Learning Outcomes, and Goals and Objectives

Mission Statement

Creighton is a Catholic and Jesuit comprehensive university committed to excellence in its undergraduate, graduate and professional programs.

As **Catholic**, Creighton is dedicated to the pursuit of truth in all its forms and is guided by the living tradition of the Catholic Church.

As **Jesuit**, Creighton participates in the tradition of the Society of Jesus which provides an integrating vision of the world that arises out of a knowledge and love of Jesus Christ.

As **comprehensive**, Creighton's education embraces several colleges and professional schools and is directed to the intellectual, social, spiritual, physical and recreational aspects of students' lives and to the promotion of justice.

Creighton exists for students and learning. Members of the Creighton community are challenged to reflect on transcendent values, including their relationship with God, in an atmosphere of freedom of inquiry, belief and religious worship. Service to others, the importance of family life, the inalienable worth of each individual and appreciation of ethnic and cultural diversity are core values of Creighton.

Creighton faculty members conduct research to enhance teaching, to contribute to the betterment of society, and to discover knowledge. Faculty and staff stimulate critical and creative thinking and provide ethical perspectives for dealing with an increasingly complex world.

University Assessment of Learning Outcomes

The University Assessment Committee has articulated six university-level outcomes that are common to all undergraduate, graduate, and professional student experience.

All Creighton graduates will demonstrate:

1. disciplinary competence and/or professional proficiency,
2. critical thinking skills,
3. Ignatian values, to include but not limited to a commitment to an exploration of faith and the promotion of justice,
4. the ability to communicate clearly and effectively,
5. deliberative reflection for personal and professional formation,
6. the ability to work effectively across race, ethnicity, culture, gender, religion and sexual orientation.

Each program defines its learning goals/graduate outcomes, and these outcomes should be in alignment with each College/School's goals as well as the broader university-wide goals. A variety of outcome measures are used within each of the programs to provide evidence of student learning, and to assess how well the learning goals/graduate outcomes are being met.

Goals and Objectives

Creighton University exists to educate her students with a view to their intellectual expansion, social adequacy, physical development, aesthetic appreciation, and spiritual enrichment. Creighton serves her publics primarily through teaching and research. Employing the techniques of teaching and research offers numerous other opportunities to provide community services and leadership.

Creighton has behind it a pattern of more than four centuries of Jesuit teaching. The Order's focus has always been on the total person, an approach that includes development of each student's talents to assure that he or she can meet both material and spiritual needs.

Members of every denomination are enrolled in and welcome to all courses in the University. While Creighton fosters learning in a Christian-oriented setting and challenges students to reflect on transcendental truths, students are not required to participate in religious services or activities.

All educational programs of Creighton University are open to both men and women.

The University Assessment Plan has been established to help measure the success of Creighton's academic programs. Each college and school has in place its own appropriate plan to determine student achievement in its programs and to implement changes for continuous improvement in Creighton's assessment plans, and students participate with faculty and administration in striving for improvements in the teaching-learning process. In addition, the University Plan embraces Student Life, and the special areas of cultural diversity and service to others, values which are emphasized in Creighton's Mission Statement.

Accreditations and Approvals

Creighton University is fully accredited by The Higher Learning Commission of the North Central Association of Colleges and Schools, the accrediting agency for the region in which the University is situated.

Higher Learning Commission
230 South LaSalle Street, Suite 7-500, Chicago, Illinois 60604-1411
Phone: 800.621.7440 / 312.263.0456 | Fax: 312.263.7462 |
info@hlcommission.org

The Heider College of Business is an accredited member of the Association to Advance Collegiate Schools of Business-AACSB (<http://www.aacsb.edu/accreditation>) International (graduate and undergraduate programs). The accounting program has been accredited (Type A - baccalaureate) by the Accounting Accreditation Committee of the Association.

The Creighton University EMS Education Program is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP (<http://www.caahep.org>)) upon the recommendation of the Committee on Accreditation of Education Programs for the Emergency Medical Services Professions. The program also is approved by the State of Nebraska.

The College of Nursing baccalaureate, master's and doctoral programs are accredited by the Commission on Collegiate Nursing Education (CCNE (<http://www.aacn.nche.edu/ccne-accreditation>)). The baccalaureate program is approved by the State of Nebraska.

The Department of Social Work is an accredited Council on Social Work Education (CSWE (<http://www.cswe.org/Accreditation.aspx>)) program preparing professional undergraduate social workers.

The teacher education programs of Creighton University are fully accredited by the National Council for Accreditation of Teacher Education (NCATE (<http://www.ncate.org/Accreditation/tabid/100/Default.aspx>)) for the preparation of elementary, secondary, and special education teachers at the undergraduate level, and for the graduate-level preparation of teachers, school principals and school counselors.

The dental education program of the School of Dentistry is accredited by the Commission on Dental Accreditation (CODA (<http://www.ada.org/117.aspx>)). The Commission is a specialized accrediting body recognized by the U.S. Department of Education.

The Creighton University School of Law is fully accredited by the American Bar Association Section (ABA (http://www.americanbar.org/groups/legal_education/resources/accreditation.html)) of Legal Education and Admissions to the Bar. The School of Law is also a member of the Association of American Law Schools.

The School of Medicine is fully accredited by the Liaison Committee on Medical Education (LCME (<http://www.lcme.org>)), representing the Association of American Medical Colleges and the Council on Medical Education of the American Medical Association. The Department of Education recognizes the LCME for the accreditation of programs of medical education leading to the M.D. degree in institutions that are themselves accredited by regional accrediting associations. Institutional accreditation assures that medical education takes place in a sufficiently rich environment to foster broad academic purposes. The School of Medicine is also an institutional member of the Association of American Medical Colleges.

The School of Medicine is also accredited by The Accreditation Council for Graduate Medical Education (ACGME (<http://www.acgme.org>)) for the training of medical residents.

The School of Pharmacy and Health Professions programs are accredited as follows:

The Pharmacy program, accredited by the Accreditation Council for Pharmacy Education (ACPE (<https://www.acpe-accredit.org>)), is a member of the American Association of Colleges of Pharmacy.

The program in Occupational Therapy is accredited by the Accreditation Council for Occupational Therapy Education (ACOTE (<http://www.aota.org/en/Education-Careers/Accreditation.aspx>)) of the American Occupational Therapy Association Inc.

The program in Physical Therapy is accredited by the Commission on Accreditation in Physical Therapy Education (CAPTE (<http://www.capteonline.org/home.aspx>)).

The University is also approved by and/or a member of the following: American Council on Education, Association of American Colleges and Universities, Association of Catholic Colleges and Universities, Association of Independent Colleges and Universities of Nebraska, Association of Jesuit Colleges and Universities, Council for the Advancement and Support of Education, Council for Higher Education Accreditation, National Association of Independent Colleges and Universities, Commission on Accreditation of Allied Health Education Programs, Council for Opportunity in Education, American Association of Colleges for Teacher Education, American Association of University Professors, American Association of University Women, Association of Schools of Journalism and Mass Communication, Association of Independent Liberal Arts Colleges for Teacher Education, Council of Graduate Schools in the United States, Council on Social Work Education, International Association of Catholic Universities, Midwest Association of Graduate Schools, National Association of Educational Broadcasters, National Association for Foreign Student Affairs, National Council for Accreditation of Teacher Education, Nebraska Council on Teacher Education, and Nebraska State Board of Educational Examiners.

Creighton University is authorized to provide online education (<http://www.creighton.edu/center-for-academic-innovation>). See [creighton.edu/state_authorization](http://www.creighton.edu/state_authorization) for current listing.

University Libraries

Library

The Creighton University Libraries, (Health Sciences, Law, and Reinert-Alumni) share a commitment to providing outstanding resources, expertise, and facilities to all our undergraduate, graduate and professional programs whether online or on campus. All three libraries have developed unique collections, services, and resources that are designed to maximize students' personal and educational experiences while at Creighton and beyond. Each library has an array of expert informational professionals who provide research, database, and library related technology support to students, including distance learners. Learning spaces in the University Libraries offer a variety of furnishings and technology for individual and collaborative study. Go to www.creighton.edu/libraries to explore any of the Creighton University Libraries.

Campus Facilities

Creighton's 139-acre urban campus encompasses more than 50 buildings, providing excellent facilities for the University's academic, residential, spiritual, athletic and recreational activities. The beautifully landscaped, pedestrian-friendly campus has been recognized by the Arbor Lodge Foundation as a Tree Campus USA University for eight consecutive years, and is listed in the 2015 Princeton Review Guide to 353 Green Colleges for its strong commitment to the environment and sustainability.

The University recently made extensive campus improvements, including renovation of buildings affecting more than 100,000 square feet of academic space and completion of the east campus athletic/fitness/recreation corridor.

Recognition of Scholarship and Leadership

Creighton University applauds the scholastic effort and achievement of its students. In addition to the numerous scholarships, awards, and honor societies from each School and College that recognize student accomplishments, Creighton is proud to honor students with the following:

Alpha Sigma Nu is a national Jesuit honor society for men and women, awarded on the basis of scholarship, loyalty and service.

Phi Beta Kappa, Beta of Nebraska (Creighton Chapter). Founded in 1776, Phi Beta Kappa is the nation's oldest honor society. It celebrates and advocates excellence in the liberal arts and sciences, and only 10 percent of American colleges and universities have earned the privilege of hosting a chapter. Once a year, the chapter invites select juniors and seniors with an outstanding academic record in the liberal arts and sciences to become members.

The **Spirit of Creighton Award** is a citation conferred on a male and a female student by the President of the University annually at Commencement for demonstrating remarkable initiative and able enterprise, wisdom in action, modesty in achievement, and great personal sacrifice for the good of others.

The Alumni Association

Creighton University seeks to maintain lifelong relationships with former students of the University. The Creighton University Alumni Association, formed in 1892, assists the University in keeping alumni engaged with the institution. Its mission is to "advance the interests of the Creighton family through a commitment to academic excellence, Judeo/Christian ethics and a lifelong relationship between Creighton alumni and their University that enriches both."

The Alumni Association is governed by the National Alumni Board. This board represents the alumni community in matters affecting the University; supports and assists the University in fulfilling its strategic goals; and provides services, programs and support consistent with the Alumni Association's mission.

Alumni programs vary widely and include all-University events, Homecoming, class reunion activities, community service projects, college/school specific activities, recent alumni activities, regional events, career networking and social networking.

Information on the Alumni Association can be found on the web at www.alumni.creighton.edu.

Non-discrimination Statement

Creighton University is committed to providing a safe and non-discriminatory educational and employment environment. The University admits qualified students, hires qualified employees and accepts patients for treatment without regard to race, color, religion, sex, marital status, national origin, age, disability, citizenship, sexual orientation, gender identity, gender expression, veteran status, or other status protected by law. Its education and employment policies, scholarship and loan programs, and other programs and activities, are administered without unlawful discrimination.

Sexual harassment, including sexual violence, is a form of sex discrimination prohibited by Title IX of the Education Amendments of 1972. The University does not discriminate on the basis of sex in its educational, extracurricular, athletic, or other programs or in the context of employment.

It is the policy of the University to make all programs and services available to individuals with disabilities. Inquiries concerning rights and responsibilities under Section 504 of the Rehabilitation Act of 1973, as amended, and the Americans with Disabilities Act of 1990 should be directed to the Executive Director for the Office of Equity and Inclusion (see below). To obtain information on accessibility of buildings and programs or to report problems of accessibility, please contact Human Resources (for employees), Schneider Hall or by telephone 402.280.2709, or Office of Disability Accommodations (for students), Old Gym 437 or by telephone 402.280.2166.

The following person has been designated to monitor compliance and to answer any questions regarding the University's non-discrimination policies:

Ms. Allison Taylor
Executive Director
Title IX Coordinator/Section 504 Coordinator
Creighton University
Office of Equity and Inclusion
Creighton Hall Suite 340
Omaha, NE 68178
Phone: 402.280.3189
Email: allisontaylor@creighton.edu
Web: www.creighton.edu/oei

The United States Department of Education's Office for Civil Rights (OCR) enforces Title IX. Information regarding OCR may be found at www.ed.gov/about/office/list/ocr/index.html. (<http://www2.ed.gov/about/offices/list/ocr>)

Services for Students with Disabilities

Services for students with disabilities are provided to qualified students to ensure equal access to educational opportunities, programs, and activities in the most integrated setting possible. Students must make timely and appropriate disclosures and requests, at least five weeks in advance of a course, workshop, program, or activity for which accommodation is requested or such other reasonable time as the particular circumstance of a request for accommodation warrants.

Students are encouraged to make requests for appropriate academic adjustments soon as possible after acceptance. Each student may be required to submit medical or other diagnostic documentation of disability and limitations. Students may be required to complete additional evaluation of limitations by Creighton University's Center for Health or Counseling or other appropriate agencies prior to receiving requested accommodations. The University reserves the right to provide services only to students who complete and provide written results of evaluations and recommendations for accommodations to appropriate University personnel. For more information, contact the Dean's Office of the student's college of enrollment or the Office of Disability Accommodations (<http://www.creighton.edu/disabilitysupportservices>) at 402.280.2166.

Military Leave Policy

Creighton University supports a student who is a member, or who parents a dependent child with a spouse who is a member, of a military reserve unit or the National Guard and is called into active military service by the United States. To assist him/her to maintain his/her status as Creighton student, the University has adopted the following guidelines:

Withdrawal from the University:

1. A student in good standing should immediately file a request for a leave of absence/withdrawal with the dean of the appropriate school or college in which the student is enrolled, along with a copy of the military orders.
2. The leave of absence generally will be granted for one year. However, the deans of the appropriate college are encouraged to grant any request to extend the leave of absence should military service require more than one year.
3. The student will receive a full refund of tuition and fees paid to Creighton University if the request for a leave of absence/withdrawal for military service is filed prior to the last day to drop classes.
4. The student will have a choice of three options if the request for a leave of absence/withdrawal is received after the last day to drop classes:
 - a. A full refund of tuition and fees with no credit awarded for work completed during the semester.
 - b. An Incomplete grade in all courses, upon approval of all instructors, with the right to complete all coursework within one year without further payment of tuition or fees.
 - c. A grade in all courses, upon approval of all instructors, based on work completed to the date of the leave of absence request.
 - d. Options b) & c) may be combined should circumstances warrant.
5. The student will receive prorated refunds for his/her housing and meal-plan, if applicable, based on taking the percentage of days registered at the University over the total number of days in the semester (i.e., beginning with the first day of class and ending on the last day of finals).
6. All applicable financial aid awards will be refunded to the appropriate agencies, and repayments of federal student loans will be calculated in accordance with federal guidelines.
7. While the University will make every effort to accommodate a student returning from active duty, placement in certain honors programs at the University cannot be guaranteed.

8. The student will be required to return university property, such as keys to residence halls, university computer equipment, library books, etc. in order to receive a refund or re enroll.

Email as Official Means of Communication

The Creighton University assigned e-mail account shall be the official means of communication with all students, faculty and staff. All community members are responsible for all information sent to them via their University assigned e-mail account. Members who choose to manually forward mail from their University e-mail accounts are responsible for ensuring that all information, including attachments, is transmitted in its entirety to the preferred account.

All faculty, staff and students are required to maintain an @creighton.edu computer account. This account provides both an online identification key and a University Official E-mail address. The University sends much of its correspondence solely through e-mail. This includes, but is not limited to, policy announcements, emergency notices, meeting and event notifications, course syllabi and requirements, and correspondence between faculty, staff and students. Such correspondence is mailed only to the University Official E-mail address.

Faculty, staff and students are expected to check their e-mail on a frequent and consistent basis in order to stay current with University-related communications. Faculty, staff and students have the responsibility to recognize that certain communications may be time-critical.

Graduation Rates

Creighton University is pleased to provide information regarding our institution's graduation/completion rates, in compliance with the Higher Education Act of 1965, as amended. To request graduation rate information, please contact the University Registrar at 402.280.2702 or registrar@creighton.edu.

The Jesuit Order

The Society of Jesus is a Roman Catholic religious order of men known as the Jesuits. It was founded in Paris by St. Ignatius of Loyola over 460 years ago. In addition to their work in parishes, primary and secondary education, the Jesuits sponsor twenty-eight colleges and universities in the United States.

The Jesuits are the founding order of Creighton University and turned the governance of Creighton over to the Board of Trustees in 1968. While the main focus of the Jesuits in the United States is on education, the order is primarily a missionary order which is also involved in spiritual direction, retreat centers and social justice work. There are presently 40 Jesuits at Creighton, including faculty, staff, administrators, chaplains and students.

The Jesuit tradition strives to form women and men to be of service for and with others. The hallmarks of a Jesuit education are excellence, service, leadership and faith. St Ignatius of Loyola saw the world as manifesting God's goodness, and graduates of Jesuit universities and colleges are called upon to "set the world on fire" by studying it, engaging with it, and changing it so that all people recognize their true identity as beloved sons and daughters of God.

American Jesuit Colleges and Universities

| | |
|----------------------|--------------------------------------------|
| Alabama | Spring Hill College, Mobile |
| California | Loyola Marymount University, Los Angeles |
| | University of San Francisco, San Francisco |
| | Santa Clara University, Santa Clara |
| Colorado | Regis University, Denver |
| Connecticut | Fairfield University, Fairfield |
| District of Columbia | Georgetown University, Washington |
| Illinois | Loyola University Chicago |
| Louisiana | Loyola University New Orleans |
| Maryland | Loyola University Maryland |
| Massachusetts | Boston College, Chestnut Hill |
| | College of the Holy Cross, Worcester |
| Michigan | University of Detroit Mercy, Detroit |
| Missouri | Rockhurst University, Kansas City |
| | Saint Louis University, Saint Louis |
| Nebraska | Creighton University, Omaha |
| New Jersey | Saint Peter's University, Jersey City |
| New York | Canisius College, Buffalo |
| | Fordham University, New York |
| | Le Moyne College, Syracuse |
| Ohio | John Carroll University, Cleveland |
| | Xavier University, Cincinnati |
| Pennsylvania | Saint Joseph's University, Philadelphia |
| | The University of Scranton, Scranton |
| Washington | Gonzaga University, Spokane |
| | Seattle University, Seattle |
| West Virginia | Wheeling Jesuit University, Wheeling |
| Wisconsin | Marquette University, Milwaukee |

(Seminaries and high schools are not included in this list.)

ASSOCIATION OF JESUIT COLLEGES AND UNIVERSITIES

One Dupont Circle, Suite 405

Washington, D.C. 20036

phone: 202.862.9893 fax: 202.862.8523

www.ajcunet.edu (<http://www.ajcunet.edu>)

UNIVERSITY ADMINISTRATION

University Board of Trustees

as of July 1, 2016

| Name | Title |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Mr. Michael R. McCarthy | Chairman, Creighton University Board of Trustees; Chairman, McCarthy Group, Inc. |
| Mr. Bruce E. Grewcock | Vice Chairman, Creighton University Board of Trustees; Chairman and Chief Executive Officer, Peter Kiewit Sons', Inc. |
| Mr. Thomas Barry | Senior Vice President, Controller, Sirius XM Holdings, Inc. |
| Rev. Casey Beaumier, S.J. | Director, Institute for Advanced Jesuit Studies, Boston College |
| Mary E. Walton Conti, M.D. | Mary W. Conti MD, LLC |
| Mr. Jerry Crouse | Vice Chairman and CEO, Tenaska Energy, Inc. |
| Rev. Joseph "Joe" Daoust, S.J. | Superior of the Jesuit Community, Pine Ridge Indian Reservation |
| Chris Elias, M.D., M.P.H. | President, Global Development, Bill and Melinda Gates Foundation |
| Ms. Mimi A. Feller | Senior Vice President (Retired), Public Affairs and Government Relations, Gannett Co., Inc. |
| Mr. Ronald B. Gartlan | President and Chief Executive Officer, Godfather's Pizza, Inc. |
| Mr. W. Gary Gates | Kathy and Gary Gates Foundation |
| Mr. Nizar (Nick) Ghossaini | Senior Operating Partner, Triton |
| Mr. Frank L. Hayes | President, Hayes and Associates, LLC |
| Ms. Julie Hefflinger | Executive Director (Retired), Partnership for Kids |
| Mr. Scott C. Heider | Managing Principal, Chartwell Capital, LLC |
| Rev. Daniel S. Hendrickson, S.J. | President, Creighton University |
| Mr. Mark Denniston Huber | President and Chief Executive Officer, Smeal Fire Apparatus Co. |
| Mr. Eric T. Immel, S.J. (Associate Trustee) | Scholastic, Society of Jesus |
| Mr. Richard T. Kizer | Chairman, Central States Health and Life Company of Omaha |
| Mr. Jack Koraleski (Honorary Trustee) | Executive Chairman (Retired), Union Pacific Corporation |
| Rev. G. Thomas Krettek, S.J., Ph.D. | Dean of the First Studies Program, Fordham University |
| Mr. Terry J. Kroeger | Publisher and Chief Executive Officer, Omaha World-Herald Company |
| Mr. Bruce R. Lauritzen | Chairman, First National Bank of Omaha |
| Rev. William P. Leahy, S.J. | President, Boston College |

| | |
|-----------------------------------------|---------------------------------------------------------------------------------|
| Ms. Deborah A. Macdonald | President (Retired), Kinder Morgan Natural Gas Pipeline Group |
| Floyd J. Malveaux, M.D., Ph.D. | Executive Director, Merck Childhood Asthma Network |
| Mr. Jayme V. Martin | Vice President and General Manager, Global Categories, Nike, Inc. |
| Ms. Jane Miller | Chief Operating Officer, Gallup Riverfront Campus |
| Mr. Chris J. Murphy | Chairman and Chief Executive Officer, First Westroads Bank, Inc. |
| Mr. Daniel P. Neary | Chairman and Chief Executive Officer, Mutual of Omaha |
| Ms. Susan Nemer Haddix | Member of the Board: Fonteneelle Forest, Jesuit Academy, Child Saving Institute |
| Mr. James B. O'Brien | President, O'Brien Management Company |
| Rev. Gregory J. O'Meara, S.J. | Rector, Jesuit Community, Creighton University |
| Mr. Mark H. Rauenhurst | President, Marren Properties |
| Mr. Bruce C. Rohde | Chairman, Romar Capital Group; Chairman and CEO Emeritus, ConAgra Foods, Inc. |
| Rev. Nicholas J. C. Santos, S.J., Ph.D. | Assistant Professor of Marketing, Marquette University |
| Nick W. Turkal, M.D. | Chief Executive Officer, Aurora Health Care |
| Ms. Gail Werner-Robertson | President and Founder, GWR Wealth Management, LLC |
| Mr. Gary Witt | Consulting Director, Lutz Accounting |
| Mr. Ryan M. Zabrowski | Associate Broker, Investors Realty, Inc. |
| Mr. Patrick J. Zenner | President and Chief Executive Officer (Retired), Hoffmann-La Roche, Inc. |

Officers of Administration

as of July 1, 2016

| Name | Title |
|-------------------------------------------|-----------------------------------------------------------------------------|
| Daniel S. Hendrickson, S.J., Ph.D. | President |
| President's Office | |
| Richard J. Hauser, S.J. | Assistant to the President for Mission |
| Bruce D. Rasmussen, B.S.B.A. | Director of Intercollegiate Athletics |
| Richard E. Rossi, M.Ed., Ph.D. | Special Assistant to the President & Board Liaison |
| General Counsel | |
| James S. Jansen, J.D. | General Counsel and Corporate Secretary |
| Andrea M. Jahn, J.D. | University Privacy Officer and Associate General Counsel to Health Sciences |

| | |
|------------------------------------|-----------------------------------------------------------------------------------|
| Allison Taylor, M.S.Ed. | Executive Director for Equity and Inclusion |
| Lauren Ward, M.A. | Associate Director, Prevention, Education & Inclusion |
| University Relations | |
| Richard P. Virgin, M.A. | Vice President for University Relations |
| Jeremy L. Bouman | Executive Director, Development |
| Michael T. Findley, J.D. | Assistant Vice President, Principal Gifts |
| Anna S. Nubel, M.A. | Assistant Vice President for Alumni Relations |
| Kelly Ptacek | Executive Director, Development Programs |
| Steven A. Scholer, J.D. | Senior Philanthropic Advisor |
| Amy S. Turbes | Senior Director, Strategy, Research, and Development |
| Thomas F. Murray, Ph.D. | Interim Provost |
| Office of the Provost | |
| Jessica M. Graner, B.S.B.A. | Associate Provost for Academic Finance |
| Tricia A. Brundo Sharrar, J.D. | Associate Provost for Academic Administration |
| Sade Kosoko-Lasaki, M.D., M.S.P.H. | Associate Vice President for Multicultural and Community Affairs |
| Academic Administration | |
| Charles Austerberry, Ph.D. | Director, Pre-Health Advising |
| Sandra V. Ciriaco, M.S. | Director, Advising and Operations, Creighton EDGE |
| Joseph D. Ecklund, Ph.D. | Director of Academic Success and Educational Opportunity Programs, Creighton EDGE |
| Jeremy Fisher, M.B.A. | Director, Fahey Career Center |
| Denise Y. LeClair, M.S. | Director, Office of Disability Accommodations |
| Rene' Padilla, Ph.D. | Executive Director, Office of International Programs |
| Melinda J. Stoner | University Registrar |
| Mark P. Turner, M.S.Ed | Director, Military and Veterans Affairs; Business Office |
| Mission and Ministry | |
| Eileen Burke-Sullivan, S.T.D. | Vice Provost for Mission and Ministry |
| Andrew F. Alexander, S.J. | Director of Collaborative Ministry |
| Lawrence D. Gillick, S.J. | Director of Deglman Center for Ignatian Spirituality |
| Amy Hoover, M.A. | Director of Creighton University Retreat Center |
| Kyle Lierk, M.Div. | Director of Campus Ministry |
| Andrea Montoya, J.D. | Director of Institute for Latin American Concern (Omaha) |
| Susan Naatz, M.A. | Associate Vice Provost for Mission and Ministry |

| | |
|-------------------------------------------|----------------------------------------------------------------------------------------------------------|
| Kenneth Reed-Bouley, M.S., M.Div., M.B.A. | Director of Schlegel Center for Service and Justice |
| Learning and Assessment | |
| Gail M. Jensen, Ph.D. | Vice Provost for Learning and Assessment and Dean of the Graduate School/College of Professional Studies |
| A. James Bothmer, M.A.L.S. | University Librarian |
| Tracy A. Chapman, Ph.D. | Executive Director, Center for Academic Innovation |
| Mary Ann Danielson, Ph.D. | Associate Vice Provost for Academic Excellence and Assessment |
| Somchan (Ying) Vuthipadadon, Ph.D. | Director, Institutional Research |
| Student Life | |
| Tanya Winegard, Ph.D. | Vice Provost for Student Life and Dean of Students |
| Michele K. Bogard, Ph.D. | Associate Vice Provost for Engagement |
| TBD | Director of Office of Multicultural Affairs |
| TBD | Medical Director of Student Health Services |
| Dawn Jensen, M.B.A. | Associate Vice Provost of Housing and Auxiliary Services |
| TBD | Director of Counseling Services |
| Katie Kelsey, M.Ed. | Director of Student Leadership and Involvement Center |
| Scott R. Maas, M.A. | Director of Student Center and Dining Services |
| Desiree Nownes, M.S. | Senior Director of Center for Student Integrity, Wellness and Assistance |
| Debra Saure, M.S.N., APRN-NP-C | Senior Director of Student Health Services |
| Steve Woita, M.S.Ed. | Director of Campus Recreation and Wellness |
| W. Wayne Young, Jr., Ph.D. | Associate Vice Provost for Student Development |
| Enrollment Management | |
| Mary E. Chase, Ed.D. | Vice Provost for Enrollment Management |
| Audra Callanan, B.S. | Director of Operations |
| Katie Christenson, M.S., PLMHP | Director of Retention |
| Lindsay Johnson, M.S.H.E. | Director, Graduate and Adult Recruitment |
| Paula S. Kohles, B.S.B.A. | Director of Financial Aid |
| Sarah Richardson, M.S. | Director, Admissions and Scholarship |
| Research and Scholarship | |
| Thomas F. Murray, Ph.D. | Associate Vice Provost for Research and Scholarship |
| Beth Herr, M.P.A., C.R.A. | Director, Sponsored Programs Administration |

| | |
|------------------------------------------------|----------------------------------------------------------------------|
| Joseph Knezetic, Ph.D. | Director for Research and Compliance |
| Juliane K. Strauss-Soukup, Ph.D. | Director, CURAS |
| Daniel E. Burkey, B.S.B.A., C.P.A. | Senior Vice President for Operations, Treasurer |
| Finance | |
| TBD | Vice President for Finance |
| Kristi L. Freese, M.B.A. | Senior Finance Director, School of Dentistry |
| John J. Jesse, III, M.B.A. | Associate Vice President for Finance |
| Tara B. McGuire, B.S.B.A. | Budget Director |
| Tracy L. Monahan, M.B.A. | Senior Administrator, School of Pharmacy and Health Professions |
| Michael A. Pille, B.A., C.P.A. | Director, External Finance GAAP, Tax Policy and Compliance |
| Raymond L. Stoupa, B.S.B.A. | Finance Director of the School of Medicine |
| Joseph J. Zaborowski, M.A., M.B.A. | Director of Purchasing |
| Administration | |
| John L. Wilhelm, B.S.B.A. | Vice President for Administration |
| Brenda L. Hovden, M.B.A. | Director of Card Services and Mail Center |
| Richard J. McAuliffe, M.S. | Director of Public Safety |
| Timothy Norton, M.S., Ed.Dc, CFM | Assistant Vice President for Facilities Management |
| Mark E. Simanek | Director, Shuttle/Transportation Services |
| Information Technology | |
| Tim Brooks, M.B.A., M.I.M. | Vice President for Information Technology |
| Ryan M. Cameron | Executive Director, Technology, Exploration, Innovation and Research |
| Bryan S. McLaughlin, B.S. | Chief Security Officer, IT |
| Mark J. Mongar | Assistant Vice President for Information Technology |
| Chris C. Vaverek | Senior Director, Network Systems and Operations |
| Human Resources | |
| Jeffrey C. Branstetter | Associate Vice President of Human Resources |
| Internal Audit | |
| T. Paul. Tomoser, B.S. | Director of Internal Audit |
| University Communications and Marketing | |
| Jim P. Berscheidt, M.S. | Chief Communications and Marketing Officer |

Creighton College and School Officers of Administration

as of July 1, 2016

College of Arts and Sciences

Bridget M. Keegan, Ph.D., *Dean*
 HollyAnn Harris, Ph.D., *Associate Dean*
 Rebecca Murray, Ph.D., *Associate Dean*
 Tracy N. Leavelle, Ph.D., *Associate Dean*
 Lisa Brockhoff, M.S., *Assistant Dean for Advising*
 Gerald Kuhlman, M.A., *Assistant Dean for Advising*
 Wilfred Solomon, M.A., *Assistant Dean for Operations*

Heider College of Business

Anthony R. Hendrickson, Ph.D., *Dean*
 Deborah L. Wells, Ph.D., *Associate Dean*
 Chris Karasek, *Assistant Dean for Graduate Business Programs*
 Charisse Williams, *Assistant Dean for Undergraduate Business Programs*

College of Nursing

Catherine M. Toderò, Ph.D., *Dean*
 Cindy Costanzo, Ph.D., *Senior Associate Dean*
 Mary Kunes-Connell, Ph.D., *Associate Dean for Academics, Assessment, and Accreditation*
 Amy Cosimano, Ed.D., *Assistant Dean for Student Affairs*
 Cynthia Adams, B.S.B.A., *Assistant Dean for Administration and Finance*

College of Professional Studies and Summer Sessions

Gail M. Jensen, Ph.D., *Dean*
 Tracy Chapman, Ph.D., *Associate Dean for Adult and eLearning*
 Christine Billings, M.S., *Assistant Dean, Director of College of Professional Studies*

The Graduate School

Gail M. Jensen, Ph.D., *Dean*
 LuAnn M. Schwery, M.S., *Assistant Dean*

School of Dentistry

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 James H. Howard, D.D.S., M.S., *Senior Associate Dean for Clinical and External Affairs*
 William P. Kelsey III, D.D.S., *Senior Associate Dean for Academic Affairs and Administration*
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 Carol M. Murdock, D.D.S., *Assistant Dean of Clinical Operations*
 Sonia Maria Rocha-Sanchez, M.S., Ph.D., M.B.A., *Assistant Dean for Research*

School of Law

Paul E. McGreal, J.D., *Dean*
 Nicholas A. Mirkay III, J.D., LL.M., *Associate Dean for Administration and Planning*
 David P. Weber, J.D., *Associate Dean for Academic Affairs*
 Michael J. Kelly, J.D., LL.M., *Associate Dean for International Programs and Faculty Research*
 Nancy Lawler Dickhute, J.D., *Associate Dean for Professional Development*
 Andrea D. Bashara, M.S., *Assistant Dean for Student Services*
 Kristin M. Chenoweth, J.D., *Assistant Dean of Admissions*
 Mandy Whiddon, *Assistant Dean for Career Development*

School of Medicine

Robert W. Dunlay, M.D., *Dean*
 Devendra K. Agrawal, Ph.D., M.B.A., *Associate Dean for Translational Research*

Jason C. Bartz, Ph.D., *Associate Dean for Faculty Affairs*
Fr. James Clifton, S.J., *Associate Dean for Mission, Identity and Diversity*
Dave Davenport, *Senior Associate Dean for Administration*
Devin J. Fox, M.D., *Assistant Dean, Quality and Patient Safety*
Michael G. Kavan, Ph.D., *Associate Dean for Student Affairs*
Stephen J. Lanspa, M.D., *Associate Dean for Clinical Affairs*
Thomas F. Murray, Ph.D., *Associate Dean for Research*
Kevin J. Nokels, FACHE, *Associate Dean for Hospital Affairs*
Joann L. Porter, M.D., *Associate Dean for Graduate Medical Education*
Thomas H. Quinn, Ph.D., *Assistant Dean for Medical School Admissions*
James Rodenbiker, M.S.W., *Associate Dean for Planning and Business Affairs*
Garrett Soukup, Ph.D., *Associate Dean for Medical Education*
Michael D. White, M.D., *Associate Dean for Educational Innovation*
Ray L. Stoupa, *Chief Financial Officer*

School of Pharmacy and Health Professions

J. Chris Bradberry, PharmD., *Dean*

GRADUATE

2016-2017 Issue

This publication contains the most current information available on the subjects covered as of the date of publication. Any updates between the dates of publication of this Catalog and its successor Catalog will be posted on the University's website and are considered a part of this Catalog for all purposes. This publication is not an offer to enter into a contract. Final selection of applicants to be admitted shall be made by the University, which reserves the right to deny admission to any applicant for any lawful reason. The University also reserves the right to modify or eliminate University rules and policies, including without limitation: admission requirements and criteria; course offerings, or location or frequency thereof; course content; grading requirements and procedures; degree requirements; tuition, fees, and board and room rates; financial assistance programs; substantive or procedural student disciplinary rules; and support services, and to apply any such modifications to any student without regard to date of admission, application or enrollment. Students are strongly encouraged to check the University's website for Catalog changes at www.creighton.edu/registrar/.

Letter from the Dean To the Prospective Student

Graduate education is a valued and important component of the diverse tapestry of educational programs here at Creighton. Creighton is a comprehensive university, yet modest in size, which allows for collaboration. The Graduate School is in a unique position, in that it intersects with seven of the nine schools and colleges across the campus to provide the administrative vehicle for collaboration by senior faculties at Creighton in offering opportunities for advanced study and research to college graduates. Approximately 20 percent of all Creighton degrees awarded are graduate degrees. We have a long tradition of graduate education at Creighton, having awarded over 10,000 graduate degrees since 1893.

Our graduate programs span a diverse array of fields as we have had large numbers of teachers, counselors, school administrators, executives, nurses, ministers, and religious leaders complete Master's degrees for their professional and personal development. In addition to our traditional master's degree programs, we offer targeted interdisciplinary programs, such as Negotiation and Conflict Resolution, and Leadership, to meet emerging societal needs. We are committed to providing a foundation and direction for graduates' achievement in research, teaching and technical careers. For doctoral study, we have four strong Ph.D. programs for students pursuing degrees in Biomedical Sciences, Clinical and Translational Science, Medical Microbiology and Immunology, and Pharmacology. These programs provide a solid base for a research career and aim to produce scientists and scholars of the highest caliber. An interdisciplinary Ed.D. in Leadership seeks to develop leaders who use their skills to promote social justice and organizational change. The Doctorate in Business Administration seeks to develop business leaders who can apply their knowledge and skills in real-world settings, as well as teach in innovative ways.

Successful graduate degree recipients at Creighton share an openness for further developing their habits of mind. They have a natural curiosity, a capacity for self-discipline and critical self-reflection, and a personal commitment to habitual inquiry. These qualities, when coupled with the experience and dedication of senior faculty mentors, create an

environment in which students work toward thoughtful engagement with questions of purpose and meaning in practice settings, an imaginative recasting of the ideas requisite to successful research and development of human knowledge, and a commitment to working for a more just world. Graduate studies at Creighton embrace the ideal of a university as a community of scholars; offer an opportunity for discovery born of disciplined inquiry; and cultivate a person-centered environment, which can be the doorway to a stimulating, creative and meaningful life.

The decision to enter graduate study must be a personal one as it takes time, patience and commitment. Persons with intellectual ability and curiosity, commitment to self-discipline and self-reflection are encouraged to explore the opportunities our graduate school can provide. Creighton offers a number of online programs, making it even more convenient for individuals to earn a graduate degree.

We invite you to visit with our graduate program directors, graduate faculty and students as you explore your interests in graduate study. We would be pleased to demonstrate our strengths and explain our limitations to prospective graduate students as a matter of personal and community concern.

Cordially,

GAIL M. JENSEN, Ph.D.
Dean, Graduate School
Vice Provost for Learning and Assessment

Academic Calendar

Creighton's graduate programs are offered in varying formats: semester-long on campus, 7 or 8-week online, 8-week on campus, and 11-week semester-long on campus for business. The following academic calendar is the traditional Semester Calendar, with the 7/8-week online dates included. For other specific program calendar information, please refer to Academic Calendars (<http://www.creighton.edu/registrar/academiccalendars>) or contact the Program Director or the Graduate School Office.

Fall 2016

August

| | | |
|----|-----------|--------------------------------------------------------------------|
| 22 | Monday | Term 1 (7/8 week online) begins. |
| 24 | Wednesday | Semester classes begin. |
| 24 | Wednesday | Term 1 (7/8 week online) last day for adding and dropping classes. |
| 30 | Tuesday | Last day for registration, adding and dropping semester classes. |

September

| | | |
|----|-----------|--------------------------------------------------------------------------------------|
| 5 | Monday | Labor Day Holiday. No classes. |
| 14 | Wednesday | Mass of the Holy Spirit, 11:00 am, St. John's Church. 11:00 am classes are canceled. |

23 Friday Term 1 (7/8 week online) last day to withdraw from course with a grade of "W".

October

15 Saturday Last day to file online Degree Application for December degree conferral.

15 Saturday Term 1 (7/8 week online) ends.

16-23 Sunday-Sunday Fall Recess. No semester classes.

24 Monday Term 2 (7/8 week online) begins.

26 Wednesday Term 2 (7/8 week online) last day for dropping and adding classes.

31 Monday Last day to withdraw from semester classes.

November

25 Friday Fall Term 2 (7/8 week online) last day to withdraw from classes with a grade of "W".

23-27 Wednesday-Sunday Thanksgiving Recess. No classes.

December

12-17 Monday-Saturday Final semester class examinations.

12 Monday Final copy of Master's Thesis/Doctoral Dissertation due in Graduate School Office for December degree conferral candidates.

15 Thursday Graduate Hooding Ceremony.

16 Friday College of Nursing Hooding/Pinning Graduation Ceremony.

17 Saturday Term 2 (7/8 week online) ends.

17 Saturday December Degree Conferral Date

Spring 2017

January

9 Monday Term 1 (7/8 week online) begins.

11 Wednesday Term 1 (7/8/ week online) last day for adding and dropping classes.

11 Wednesday Semester classes begin.

17 Tuesday Last day for registration, dropping and adding semester classes.

February

10 Friday Term 1 (7/8 week online) last day to withdraw from classes with a grade of "W".

15 Wednesday Last day to submit online Degree Application for May Degree Conferral.

March

4 Saturday Term 1 (7/8 week online) ends.

5-12 Sunday-Sunday Spring Recess. No semester classes.

13 Monday Term 2 (7/8 week online) begins.

15 Wednesday Term 2 (7/8 week online) last day for dropping and adding classes.

15 Wednesday Last day to submit online Degree Application for August Degree Conferral if attending May Commencement.

20 Monday Last day to withdraw from semester classes.

April

13-17 Thursday-Monday Easter Recess. No classes beginning at 5:00 pm Holy Thursday through 5:00 pm Easter Monday.

14 Friday Term 2 (7/8 week online) last day to withdraw from classes.

May

1-6 Monday-Saturday Final semester class examinations.

6 Saturday Term 2 (7/8 week online) ends.

8 Monday Final copy of Master's Thesis/Doctoral Dissertation due in Graduate School Office for May degree conferral candidates.

11 Thursday Heider College of Business Hooding Ceremony

| | | |
|----|----------|--------------------------------------------------------------------------------------------------------------------------------|
| 12 | Friday | Baccalaureate Mass and other Graduation Events. Graduate School Hooding Ceremony. College of Nursing Hooding/Pinning Ceremony. |
| 13 | Saturday | University Commencement. |

Summer 2017

May

| | | |
|----|-----------|----------------------------------------------------------------|
| 8 | Monday | Summer Session on campus classes begin. |
| 15 | Monday | Term 1 (7/8 week online) begins. |
| 17 | Wednesday | Term 1 (7/8 week online) last day for dropping/adding classes. |
| 29 | Monday | Memorial Day. No classes. |

June

| | | |
|----|----------|------------------------------------------------------------------|
| 15 | Thursday | Last day to file Degree Application for August Degree Conferral. |
| 16 | Friday | Term 1 (7/8 week online) last day to withdraw from classes. |

July

| | | |
|---|----------|--------------------------------------|
| 4 | Monday | Independence Day Recess. No classes. |
| 8 | Saturday | Term 1 (7/8 week online) ends. |

August

| | | |
|----|----------|---------------------------------------------------------------------------------------------------------------------------|
| 7 | Monday | Final copy of Master's Thesis/Doctoral Dissertation due in Graduate School Office for August degree conferral candidates. |
| 19 | Saturday | Summer sessions end. |
| 19 | Saturday | August Degree Conferral Date. |

The Graduate School Graduate School

<https://gradschool.creighton.edu/>

The Graduate School was formally established as a separate division of Creighton University in 1926, although the first master's degree was conferred by the University in 1893. Currently the School offers more than 35 different programs at the master's and doctoral levels.

Purpose

The Graduate School is charged with promoting graduate studies and research of high quality within the various graduate programs, and with fostering scholarship and research among the faculty.

Graduate study differs from undergraduate study in that, while extending the student's range of knowledge through course work and independent study, it intends to develop traits of critical judgment, independent thinking, scholarly initiative, and the habit of disciplined inquiry. Each graduate student is expected to thoroughly develop knowledge and skills in at least one field of endeavor so that the student can communicate the major concepts of that area of expertise to specialists and laypersons. The student should not expect to acquire the advanced knowledge and technical skills for interpretation and development of one's field of study from formal classroom and laboratory sessions alone, but should, in addition, utilize his or her energies to collect, organize, synthesize, and communicate the knowledge and application of the independent resources of one's chosen discipline. Mature graduate study, then, aids the student in acquiring the skills requisite to identifying problems of inquiry, formulating means to the solution of those problems, and communicating the interpretations of scholarly analysis.

Mission Statement

Within the context of Creighton University as a Jesuit, Catholic University, the Graduate School provides value centered education that develops advanced mastery in a field of study. The Graduate School is committed to supporting excellence in graduate education through personal contact with a community of faculty scholars in an environment that fosters critical judgment, scholarly initiative and disciplined inquiry. Creighton University seeks to produce graduates who have the wisdom, judgment and faith to work for a more just society.

Vision Statement

Creighton University will leverage its unique strengths as a small, yet comprehensive university to be a leader in graduate education by offering innovative programs that foster academic excellence and scholarly research; developing graduates with an ethical foundation who will serve society; and promoting Creighton's mission as a Jesuit, Catholic University.

University Learning Outcomes

The University Assessment Committee has articulated six university-level outcomes (p. 7) that are common to all undergraduate, graduate, and professional student experience.

Goals

Creighton University embraces the Jesuit spirit of intellectual openness, tolerance, and celebration of different gifts and talents. Within the context of Creighton as a Jesuit, Catholic University, the Graduate School provides a value-centered education that develops advanced mastery of a field of study. It puts graduate students in personal contact with faculty scholars in an environment that fosters critical judgment, scholarly initiative and disciplined inquiry. From the Mission Statement emerge six goals.

At the completion of their programs, graduates will:

1. demonstrate the disciplinary competence and/or professional proficiency with a global perspective in service to others;

2. demonstrate an ability to combine critical thinking, disciplined research, and effective problem-solving in their field of study;
3. demonstrate ethical decision making, service, and civic responsibility in accordance with the Judeo-Christian tradition and Ignatian values;
4. respectfully and effectively communicate information through all modes of expression;
5. demonstrate deliberative reflection for lifelong personal and professional formation; and
6. demonstrate an ability to work effectively and in solidarity across the distinctions of human diversity.

These six goals provide a general framework for the assessment of student learning outcomes of various graduate programs. Some differences in content and emphasis will be noted between programs given the roles for which their students are being prepared. For example, doctoral programs will put substantial emphasis on the independent conduct of research while programs leading to a master's may put more emphasis on the ability to critique research and interpret findings to non-specialists in their field.

Organization of the Graduate School

The Graduate School of Creighton University is conducted under the administration of the Dean and Board of Graduate Studies. The Board of Graduate Studies is composed of the Dean (chair), six faculty representatives elected by the graduate faculty, and six faculty appointed by the Dean, and two student representatives.

Each program is coordinated by a graduate program director, who is responsible for the administration of the graduate program and serves as a liaison with the Graduate School. The graduate program director is responsible for coordinating academic advising of the graduate students, making admission decisions, and allocating fellowships and assistantships. The graduate program director communicates policies on graduate programs to departmental faculty, and communicates departmental decisions and recommendations to the Graduate School.

The Graduate Faculty

The faculty of the Graduate School are appointed by the Dean from the faculty of those divisions of the University that offer graduate programs: Creighton College of Arts and Sciences, Heider College of Business, the School of Dentistry, the School of Law, the School of Medicine, the College of Nursing, and the School of Pharmacy and Health Professions.

The graduate faculty serve as program directors and graduate student advisors. Questions relating to specific aspects of graduate study can be directed to the particular program's director of graduate studies or to the student's graduate advisor. Questions relating to specific aspects of admission, however, should be directed to the Office of Enrollment Management.

The duties of the graduate faculty include the following:

1. Reviewing, sponsoring, and making recommendations regarding the admission of new students to degree programs and forwarding them to the Dean of the Graduate School for approval;
2. Advising graduate students and formulating curricular plans of study;
3. Reviewing and approving individual degree programs (plans of study) and forwarding them to the Dean of the Graduate School for approval;

4. Assisting the Dean of the Graduate School in implementation of regulations and policies covering graduate students, graduate study, and graduate courses.

Nature of Graduate Study

A graduate course provides for advanced study in a field of knowledge beyond the upper-division level. It demands a higher level of independent critical analysis and a higher degree of specialization than is usually required in an undergraduate course. A graduate course may be conducted in several ways:

1. As a course designed to organize the results of original research or to expand an advanced field of knowledge;
2. As a seminar in which the instructor and a small group of graduate students present the results of their special study and original research for group criticism, evaluation, and discussion;
3. As an individual project or as individual research conducted under the supervision of a senior scholar.

The graduate curriculum is designed to provide the student advanced study in a selected discipline or in an interdisciplinary program. All courses listed in an advanced degree program must be graduate or advanced upper-division courses approved by the student's graduate committee and graduate advisor.

Online Study

More than one half of Creighton University graduate students are enrolled in an online program. To be successful in an online learning environment, students must have regular, reliable access to the Internet and be comfortable with technology, be self-motivated and able to work independently, have good time management skills, be able to meet deadlines, and have good written communication skills. The online learning environment is a collaborative environment, where all students participate in the discussions and assignments. This fosters a community of learners, as students learn from each others' experiences. They are also exposed to situational experiences and learn to apply class concepts to real situations. Additionally, this "global" classroom exposes students to content, situations and experiences shared by fellow students from anywhere in the world. The 24/7 e-classroom allows learners to interact anytime, anywhere, and complete assignments and share information when it is most convenient for them. Adult learners excel in this environment. A more obvious benefit to online learning is the direct relation to technology in the classroom. Online learning encourages students to participate in online conversations, research and communication, thus receiving the exposure to skills that are critical for success in the 21st century. Online students have access to the same services as on-campus students, and are expected to abide by all policies governing graduate study.

Admission

It is the admission policy of Creighton University to accept qualified students within the limits of its resources and facilities. See also the University's Nondiscrimination Policy (p. 9).

General Requirements

A student desiring admission to graduate programs must possess a Bachelor's degree or its equivalent from an accredited college or university. Entrance into an advanced study program or access to graduate courses requires preparation equivalent to Creighton's

undergraduate major preparation for the proposed program of graduate study.

Applicants who appear to be fully admissible but are still in the process of assembling required application materials may be admitted on a conditional basis.

Applicants for admission who hold an undergraduate degree or its equivalent but are unable to meet all of the requirements for graduate work in a specific field or fields may be admitted on a provisional basis. Such applicants may be required to take further undergraduate work of a substantial nature at Creighton University or at another approved institution.

Ordained priests and ministers who have completed a four-year course of study in a recognized seminary may apply for admission to the Graduate School. They must, however, submit a transcript of courses taken in the seminary and fulfill whatever prerequisites the program director finds lacking before they are allowed to become applicants for degrees.

Students lacking a Bachelor's degree who have successfully completed at least three years of undergraduate preparation in college and the first two years in an accredited school of medicine or dentistry may apply for admission to a graduate program in which they have met undergraduate prerequisites. In all cases, the applicant's previous record is expected to show an adequate foundation for graduate study in terms of both subject matter and quality of work.

Application Procedures

Applicants to graduate programs may apply using the link to the online application, which can be found on the Graduate School website (<http://www.creighton.edu/gradschool>). Applicants to the Interdisciplinary Ed.D. program in Leadership must contact the Ed.D. office for appropriate application information. In general, anyone seeking admission to a graduate program must submit the following credentials to Creighton University Enrollment Services:

1. A completed formal application for admission together with a \$50 (nonrefundable) application fee.
2. An official transcript of all college work attempted sent directly from each institution attended. Photocopies from students are not acceptable.
3. Graduate Record Examination (GRE) scores or Graduate Management Admission Test (GMAT) scores. LSAT and MAT scores are acceptable for applicants to the Negotiation and Conflict Resolution program. MCAT or DAT scores are acceptable for applicants to the Clinical Anatomy program.
4. In general, three letters of recommendation/evaluation by persons familiar with the student's academic background, potential, and achievements and personal qualities are required for students seeking admission.
5. All foreign applicants are required to take the Test of English as a Foreign Language (TOEFL) and have the scores sent to Creighton unless they can demonstrate proficiency in English in some other way.

In general, these are the required credentials which must be submitted. Individual programs may have exceptions, or may require additional information. Applicants to specific programs should refer to the program section of this Catalog or the program website. The priority deadline for completing one's application and credentials file varies by program.

Please refer to the program website or the Graduate School website for information about application deadlines.

The applicant for admission is responsible for requesting the registrar of each institution previously attended to mail an official transcript of record directly to the Office of Enrollment Management. A transcript must be received from each institution attended, including any attended during summer sessions, regardless of whether or not the transcript of the last institution attended lists the record at other institutions and regardless of whether or not credit was received. All documents, including credentials and other materials, become the property of Creighton University and are not returnable.

Admission Tests

Unconditional admission to Creighton graduate programs requires GRE¹ or GMAT¹ or other test scores for most applicants.

The **GRE** is required for all programs except as noted as follows:

GMAT scores are required for all applicants to the Heider College of Business master's degrees.

LSAT or **MAT** scores may be submitted in lieu of GRE scores for applicants to the M.S. program in Negotiation and Conflict Resolution.

MCAT or **DAT** scores may be submitted for applicants to the M.S. Clinical Anatomy program.

Programs that do not require a GRE or other test are: M.S.N., M.S.-EMS, M.A.-Medical Anthropology, M.S.-Educational Leadership, M.S.-Leadership, M.A.-Christian Spirituality, M.A.-English, M.A.-Ministry, M.Ed.-Elementary Teaching, M.S.-School Counseling and Preventive Mental Health, M.Ed.-Secondary Teaching, Master of Public Health, M.F.A.-Creative Writing, and Ed.D-Interdisciplinary Leadership. Although GRE scores are not required for admission to the Ed.D.-Interdisciplinary Leadership program, Creighton University reserves the right to request them.

The GRE requirement may be waived for students who hold a previous masters degree. Waiver of this requirement is contingent on an assessment of all elements of a student's record by the department or program to which the student seeks admission.

¹ GRE and GMAT tests are administered by appointment at designated test centers, usually on college campuses, throughout the United States, Canada, and other countries. For further information, contact either the Dean of the Graduate School, Creighton University, the Educational Testing Service (www.ets.org (<http://www.ets.org>)), Princeton, N.J.

Graduate Record Examination (GRE): The GRE Aptitude Test measures the general verbal, mathematical (quantitative), and analytical writing abilities of college seniors or graduates who plan to undertake graduate studies. The GRE Advanced Tests are designed to measure comprehension and knowledge of subject matter basic to graduate study in specific fields. Furthermore, students who may have weak undergraduate credentials are well advised to strengthen their cases for admission by presenting both the GRE Aptitude Test scores and scores on the GRE Advanced Test available in the subject of their proposed graduate study.

Graduate Management Admission Test (GMAT): The Graduate Management Admission Test (GMAT) is an aptitude test designed to measure certain mental capabilities important in the study of management at the graduate level. It contains questions that test one's ability to read, understand, and reason logically with both verbal and quantitative material. The test is not a measure of achievement or knowledge in any specific subject, and one is neither required nor expected to have had undergraduate preparation in business subjects.

Evaluation and Selection

Creighton University Enrollment Services compiles the applicant's file (application form, transcripts, test scores, letters of evaluation) for all graduate programs. The completed file is forwarded to the appropriate program director for computation of grade-point averages (GPA) for major and support areas, review and recommendation. Recommendations for admission include evaluation by a sponsor (the prospective student's potential faculty advisor) if other than the program director.

Each program recommends on admission of students to advanced study and research after weighing the background, interest and promise of the prospective student, and evaluating the availability of human and physical resources for meeting the student's objectives and the program's goals.

Students will be notified by the Dean of the Graduate School regarding final action and disposition of the application for all graduate programs with the exception of Graduate Business Programs, who will be notified by the Assistant Dean in the Heider College of Business, and Graduate Nursing Programs, who will be notified by the Assistant Dean for Student Affairs in the College of Nursing.

In addition to the special requirements that may be made by the departments of instruction, the equivalent of a Creighton University undergraduate major is generally required as prerequisite for a graduate major. The qualitative character of the student's undergraduate work is no less important than the quantitative in establishing an applicant's eligibility. The applicant's record of undergraduate studies must generally indicate achievement above average. This superiority must be particularly evident in the field of projected major study.

Conditional Admission

Students who appear, upon preliminary examination of their credentials, to be fully admissible to a graduate program but are still in the process

of assembling the required application materials (e.g. letters of recommendation or formal aptitude test score), may be admitted on a conditional basis. Such students can take up to six credit hours while meeting the conditions set forth by the program director. The conditions for full admission will be described in the conditional acceptance letter issued by the Graduate Dean. Students who have not met the conditions for admission but have completed the allowed six hours will not be permitted to enroll in further coursework until all the conditions of their admission have been satisfied. Students who complete the conditions for admission within the six credit hour allowance will have their admission status changed to unconditionally admitted when the conditions are met.

Provisional Admission

Students who do not meet the requirements for admission in good standing but demonstrate potential for success in a graduate program may be admitted on a provisional basis. Students who are admitted with provisions must meet all provisions as required by the program director, and petition for full status by the end of one calendar year. The petition for full status should be submitted in writing to the Dean of the Graduate School. Students who do not achieve this standard will be deemed unqualified for progression in their studies and will be dismissed from the program.

Admission of International Graduate Students

Creighton University is authorized under Federal law to enroll nonimmigrant alien students.

Candidates for admission from foreign countries must present original and complete educational credentials, including a certified translation of all university transcripts (if in a language other than English) from a recognized credential evaluation service, such as the World Education Services. Ability to speak and write correct grammatical English is imperative. All foreign applicants are required to take the Test of English as a Foreign Language (TOEFL) and have the scores sent to Creighton unless they can demonstrate proficiency in English in some other way. In general, acceptance into the University may be granted if the candidate's credentials indicate satisfactory preparation for admission and if the candidate's TOEFL score is at least 90 on the Internet-based Test (iBT) at the graduate level. Foreign students may enroll in Creighton University's English Language Program on a full-or part-time basis in order to improve their English skills. Individual programs may require higher minimum TOEFL scores.

Once the international candidate has been accepted into the University as a full-time student, an affidavit of support for the cost of at least one semester is required before a certificate of eligibility (Form I-20) will be issued to the student.

Creighton University requires all registered students who are not permanent U.S. residents or U.S. citizens to enroll in Creighton's health insurance group plan offered for international students. The insurance is valid anywhere in the world during the policy term except the student's home country or country of regular domicile. Coverage for dependents is also available. For more information, contact the Global Education Office, 402.280.2221.

Special Student Applications

Those who wish to pursue graduate study but are not candidates for a degree from Creighton may be admitted to the Graduate School as special (non-degree seeking) students. A special student application is required, and the student must obtain consent of the program director or department chair prior to registering for any course. The number of hours earned as a special student that can be applied toward a graduate degree at the University will vary from program to program, but may not be more than nine (9) hours.

Tuition and Fees

2016-17 Tuition and Fee Amounts

Ordinarily, tuition, fees, board and room charges are payable in advance for an entire semester or summer session.¹ (See Financial Arrangements (p. 24).) All rates are subject to change without notice.

****Graduate Tuition Rate per Credit Hour per Semester (for campus based programs unless noted separately below)** \$820

****Graduate Tuition Rates per Credit Hour per Semester for Specified Programs:**

| | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| Business Administration—online | \$1025 |
| DBA program annual cost is \$40,000. This covers ALL tuition, class materials, hotel and meals during residencies, University fee and University technology fee. | |
| >>DBA tuition and fees per semester | \$2,222 |
| East-West Studies | \$1,167 |
| Health and Wellness Coaching | \$857 |
| Health Care Ethics | \$857 |
| Healthcare Management | \$857 |
| Interdisciplinary Ed.D. in Leadership | \$989 |
| Investment Management and Financial Analysis (formerly MSAPM)-online | \$1,179 |
| Lifestyle Medicine for Health Professionals (Certificate) | \$857 |
| Negotiation and Conflict Resolution-on campus | \$828 |
| Negotiation and Conflict Resolution-online | \$1,105 |
| Oral Biology (per year - Year One/ Year Two) | \$34,710/\$26,510 |
| Public Health | \$948 |

****Fees**

| | |
|-----------------------------------------------------------------------------------------------------------|-------|
| University Fee per semester for campus graduate students registering for eight or more hours per semester | \$583 |
| University Fee for all part-time campus students per semester | \$61 |

| | |
|---------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| University Technology Fee for all campus graduate students registering for eight or more hours per semester | \$249 |
| University Technology Fee for all part-time campus students per semester | \$102 |
| Graduate Nursing Academic Program Fee per semester (full-time students) | \$100 |
| Graduate Nursing Academic Program Fee per semester (part-time students) | \$50 |
| Laboratory Fee for each lab course | \$55 |
| **Other Fees | |
| Application Fee for admission as a degree-seeking student | \$50 |
| Application Fee for enrollment as a special (non-degree) student | \$20 |
| Late Payment Fee | (see Late Payment Policy) |
| Late Application for Graduation Fee | \$50 |
| Student Health Insurance Premium for six months for graduate students registering for eight or more semester hours ² | \$1,215 |
| Thesis Binding Fee (graduate) per copy | \$35 |
| Transcripts ³ | \$5 |
| Board and Room Rate per semester | (see Living Accommodations) |

The tuition charges for courses audited are one-half (50%) of the regular per-credit-hour rate when the per-credit-hour rate is applicable.

- Registration is not complete until financial arrangements have been made.
- This charge may be waived if the student presents evidence that he or she carries insurance that provides coverage at least comparable to the student insurance offered by the University.
- Transcripts and diplomas are released only when all outstanding balances have been paid.

Late Payment Policy

A late payment fee will be added to charges assessed at registration that remain unpaid after the period for registration. This fee is \$165 for the first month and an additional fee is charged for each subsequent month that the account remains unpaid. Accounts with unpaid balances less than \$500 will be subject to a \$70 monthly late payment fee. Accounts with unpaid balances greater than \$500 are subject to a \$85 monthly late payment fee. Students with questions regarding their financial responsibilities are invited to contact the Business Office to request an appointment for individual counseling.

Special Tuition Rates

Special Tuition Rates for Teachers and School Administrators and Students enrolled in the Christian Spirituality Program

Teachers and school administrators who are employed full time in public or private elementary or secondary schools and persons who work on a consistent full-time or part-time basis in specific church ministries may take one course each semester (fall and spring) and up to 6 semester credits during the summer term at Creighton at a tuition discount of 50 percent of the regular per-credit-hour rate. An additional discount of 25 percent is available for Catholic School educators who are enrolled in the Graduate School. Students must complete an Application for Teacher Improvement Remission verifying employment status. These forms on the Business Office's website at <http://www.creighton.edu/businessoffice/other/forms/>.

The University also reserves the right to exclude certain programs from this special discount. The following programs are currently excluded:

- MAC
- MBA
- M.Fin.
- MS-BIA
- MS-NCR
- MSAPM/MIMFA
- MS - School Counseling
- MS - Educational Leadership
- MS - Health Care Ethics
- Ed.D. in Interdisciplinary Leadership

In the future, other programs may be added or deleted without notice.

Students enrolled in the Christian Spirituality Program (CSP) also qualify for the tuition discount rate based on the Summer Sessions tuition rate. After degree seeking students have completed 12 semester hours in CSP courses, they may apply for grants from the Christian Spirituality Program's own limited financial aid funds.

Military Discounts

Military personnel, National Guard members, military reservists, and Department of Defense civilians and civilian contractors may be eligible for tuition discounts for select graduate programs. Contact the Graduate School for more information.

Withdrawals and Refunds

Students withdrawing will be charged tuition and recurring fees on the following basis¹:

| Period of attendance from start of semester | Percent of the semester rate to be charged |
|---------------------------------------------|--------------------------------------------|
| During the first week | 10% |
| During the second week | 20% |
| During the third week | 40% |
| During the fourth week | 60% |

| | |
|-----------------------|------|
| During the fifth week | 80% |
| Over five weeks | 100% |

Students withdrawing from a term shorter than the traditional semester will be charged tuition and recurring fees on a prorated basis.

Refunds of room rent due to withdrawal from the University will be prorated on a weekly basis.

¹ Nonrecurring fees, the application fee, the University fee, the University technology fee, and penalty fees will be charged in full, regardless of the period of attendance.

Full time students who withdraw from a course after the last day for registration changes but remain full-time (12 or more credit hours) receive no refund. If a full-time student withdraws to part-time status, refund of the difference between the full-time tuition charge and the per-credit-hour charge for the courses being continued will be made in accordance with the schedule applicable in the event of total withdrawal. Students assessed tuition per credit hour, including part-time students, graduate students and students in a summer session, will be charged for courses dropped in accordance with the schedule applicable in the event of total withdrawal.

State Specific Refund Policy

Some states where the University has authorization to operate require a separate tuition refund policy for their residents. These are described below.

Wisconsin Residents* (for Wisconsin residents enrolled in on-line programs/courses).

Students have the right to cancel enrollment until midnight of the third business day after receipt of notice of acceptance and are entitled to a full refund of any tuition and other monies paid such as deposits or application fees. Refunds for **cancellation** will be paid within **10** days.

Students who withdraw before completing 60 percent of the term are entitled to partial refunds, prorated in accordance with Wisconsin state policies. The pro rata refund is calculated by the number of class days remaining in the term after the last day completed, divided by the total number of class-days, rounded down to the nearest 10 percent, less a one time application fee [\$50 for undergraduate, \$30 for SPAHP and \$30 for graduate]. The pro rata refund percentage will be applied to tuition and other required costs paid by the student for the term.

All efforts will be made to refund "prepaid" expenses, books, supplies and other charges billed in advance directly to a student's account; unless the student has consumed or used those items and they can no longer be used or returned.

The school will issue refunds within 40 days of the effective date of termination. A written notice of withdrawal is not required. A registered student will be considered as having withdrawn from the University after two consecutive weeks of unexplained absence.

No refund is required for any student who withdraws or is dismissed after completing 60 percent of the potential units of instruction in the current enrollment period unless a student withdraws due to mitigating circumstances, which are those that directly prohibit pursuit of a program and which are beyond the student's control.

**The federal guidelines for returning federal Title IV funds will remain intact with NO exceptions.*

1. *Class day is any day of the term when any class is in session, regardless of whether or not a specific course is scheduled to be held on that day.*
2. *The nonrecurring, penalty, and special service fees include deferred payment, University fee, University technology fee, late payment, special examination/evaluation, challenge examination, recording, tuition remission administrative fee, orientation fee, and locker.*

Financial Arrangements

Tuition and fees and board and room charges are payable at the time of registration for a semester. However, arrangements may be made to pay monthly installments by using the University's Monthly Electronic Tuition Payment (MET) plan. Participation in this plan will be limited to the unpaid balance after all financial aid credits have been applied. Information on enrolling in the MET plan will be sent via e-mail in early May to incoming students who have paid a deposit. Current students are sent an e-mail reminder in late April. For further information on payment plans you may view <http://www.creighton.edu/businessoffice/billinginfo/met/>

Books and supplies may be purchased at the Campus Bookstore. These items must be paid for when they are obtained.

Students are encouraged to pay tuition and other expenses online via the NEST. The University will cash checks for students with a \$200 limit per day in the Business Office. Checks returned for insufficient funds will be assessed a \$25 fee. The University reserves the right to revoke or to deny this privilege to any individual at any time.

Financial Aid

To be considered for financial aid, a student must be accepted for admission as a degree-seeking or certificate-seeking student.

Application Procedures

1. Apply for admission into Graduate School. No financial aid commitment can be made until a student is accepted for admission.
2. Complete the Free Application for Federal Student Aid (<http://www.fafsa.gov>) (FAFSA) after October 1 for the proceeding summer and/or fall semester.
3. Newly admitted students will be sent an award notification with instructions to go on-line to accept the aid offer. Returning graduate students will be sent an email notification when the aid offer is ready.
4. Students wishing to receive aid during the summer term need to complete a Summer Aid Application each year. The Summer Aid Application is available on the Financial Aid Office web page (<http://www.creighton.edu/financialaid>), under Applications.

Graduate Fellowships

Creighton University offers a number of Graduate Assistantships and Fellowships to graduate students who qualify for advanced degrees. The stipends for assistantships and fellowships vary with the qualifications of the applicants, and the type of service associated with the individual appointments.

In all instances, the appointee must have a Bachelor's degree or its equivalent from a recognized college or university. The previous study and training must be acceptable to the department in which the applicant desires to pursue studies. All appointments are made for one year (academic or calendar year as noted below) by the Dean of the Graduate

School in conjunction with the graduate program director. Satisfactory study and cooperation are requisite to reappointment for a second year. Appointments may be terminated by the Dean of the Graduate School whenever it is deemed necessary for the good of the University or when the appointee is academically disqualified.

Doctoral Fellowships

Students appointed to Research Fellowships while pursuing a doctoral degree have twelve month appointments and are expected to spend as much time in the laboratory as deemed necessary by their major advisor and as dictated by the demands of their program of research. They must take a minimum of eight credit hours during the Fall and Spring semesters and six credit hours over the Summer Sessions. Heavier course loads are allowed, if prescribed by their research advisory committees. However, permission of the Graduate Dean is required to take more than 12 credit hours in a given semester. Doctoral fellowships include a stipend, tuition remission, laboratory fees, general university fees and health insurance.

Master's Fellowships

Students appointed to a Fellowship while pursuing a master's degree are required to provide 20 hours of service per week as assigned by their program director during the nine-month academic year. They are expected to devote full time to their studies. Master's level Fellows must not exceed 18 credit hours in an academic year. These fellowships may include a stipend plus the remission of tuition and laboratory fees. All general university fees, however, must be paid by the Fellows.

The Heider College of Business also has Graduate Research Assistantships available for selected majors in graduate Business programs. The assistantships, although limited in number, provide full tuition and a stipend in exchange for a commitment of 20 hours of service per week during the academic year. The assistant generally is assigned to a faculty member or an academic department for faculty research or assistance in administering the Wade Computer Center in the Heider College of Business.

Graduate Scholarships/Awards

Graduate Scholarships are reserved for specially qualified or needy students who have completed their undergraduate work with distinction and show promise of successfully engaging in graduate research. These scholarships are intended to facilitate graduate study. Please contact the Graduate Dean's Office for application procedures.

The O'Neill Annual Scholarship

This scholarship was established to assist students enrolled in Creighton's Master of Arts in Ministry program who demonstrate financial need. The Graduate School Dean and/or the Program Director select the recipient(s) from eligible students on an annual basis.

Rev. Norbert P. Loehr, S.J. Endowed Magis Scholarship

This scholarship was established to provide assistance to students in the Magis Catholic Teacher Corps. Proceeds may be used to provide tuition assistance, monthly stipends, medical insurance, housing, and university fees.

The Maureen Hamilton Award

This award is presented each May to the outstanding female graduate student, and is based upon the student's outstanding academic record and leadership potential.

The Mary Alice Engles Scholarship

This scholarship is presented annually to a graduate student in Education or School Counseling who demonstrates financial need.

Leo Jacks Scholarship

Scholarship provides assistance to Catholic School teachers pursuing graduate education.

Rev. Patrick Malone Scholarship

For first year Christian Spirituality students from an African nation.

Bishop Sheets Scholarship

This scholarship was established to provide assistance to graduate students in the Theology program who demonstrate financial need.

Presidential Scholarship for Catholic Educational Leadership

The Presidential Scholarship is a competitive scholarship that is designed to support doctoral candidates who are current or aspiring leaders in K-12 Catholic school education. Two scholarships will be available each year.

Anthony and Michele Lupo Catanese Christian Spirituality Scholarship

This scholarship was established to assist students enrolled in Creighton's Master of Arts with a major in Christian Spirituality who demonstrate financial need. The Christian Spirituality program director or scholarship committee will select the recipient(s) and the amount of the award.

Ignatius Interdisciplinary Ed.D. Leadership Scholarship

A competitive scholarship that is designed to support candidates in the Interdisciplinary Ed.D. Program in Leadership who are current full-time employees at Creighton University. One scholarship will be available each year.

Graduate Dean's Scholarship

Students who have been unconditionally admitted to the Graduate School are eligible to apply for a Graduate Dean's Scholarship. A limited number of scholarships are awarded in the fall and spring semesters, based on academic standing, community service, and commitment to Creighton values.

Tuition Assistance

Students with demonstrated financial need may submit an Application for Tuition Assistance through the Graduate School Dean's Office. Funding is limited, so there is no guarantee that applicants will receive aid.

Loan Funds

Eligibility for any Federal aid program requires that at least half-time enrollment (three hours) per term be maintained. Receiving a Graduate School fellowship, scholarship or remission may affect Federal aid eligibility. Instructions to accept an aid offer and to complete the Federal Direct Master Promissory Note (MPN) and on-line entrance counseling will be included with the award notification. All new graduate students will receive an award notification via mail outlining costs and aid eligibility. Returning graduate students will receive an email notification when their aid packages are available.

Federal Direct Unsubsidized Student Loan

This loan accrues interest while enrolled. Current interest rate and origination fee information can be found on the Financial Aid (<http://www.creighton.edu/financialaid/typesofaid/loanprograms/>

[directloaninterestrates](http://www.creighton.edu/financialaid/typesofaid/loanprograms/)) website. The aggregate amount which may be borrowed under the Federal Direct Subsidized and Unsubsidized Loan and/or the Federal Stafford Loan Program is \$138,500, including any undergraduate borrowed amounts. The annual maximum is \$20,500, depending on other aid received. Accrued interest will be added to the principal balance at graduation or whenever a student is enrolled less than half time.

Federal Direct Grad PLUS Loan

Graduate and professional students can borrow through the Federal Direct Grad PLUS program. Students can borrow up to the maximum of the cost of attendance less other financial aid. The Federal Direct Grad PLUS Loan accrues interest during enrollment but repayment is deferred while a student is enrolled at least half time. The interest rate changes annually and can be found on the Financial Aid (<http://www.creighton.edu/financialaid/typesofaid/loanprograms/directloaninterestrates>) website. Repayment will begin six months after graduation or less than half-time enrollment. Accrued interest will be added to the principal balance at graduation or whenever a student is enrolled less than half time.

Summer School Financial Aid

Graduate students can borrow student loan funds during the summer. The Financial Aid Office has an institutional Summer Aid application which must be completed on the Financial Aid website (<http://www.creighton.edu/financialaid/applications/summeraidapplication>) every spring. Funding received during summer terms may affect aid funding for ensuing fall/spring terms.

Easing Tuition Payments

Creighton University offers students a payment program that can be set up for fall and spring semesters. See Financial Arrangements Information (<http://catalog.creighton.edu/undergraduate/tuition-fees/financial-arrangements>) for the complete details.

Important

All financial aid advanced by Creighton University must be used to pay tuition, fees, and University board and room charges before any other direct or indirect educational costs. The stated limits refer to the maximum amount of a loan; the specific amount granted will be governed by funds available at the time of application. All aid received by a student is used to calculate federal loan eligibility, regardless of source.

Student Employment

Departments and offices on campus hire a number of students each year. Many office jobs are filled by Federal Work-Study students, but other jobs are also available on campus, i.e., environmental services, dormitory desk work, food service, libraries, Development, Kiewit Fitness Center, and the Harper and Skutt Centers.

The Student Employment Office maintains up-to-date listings of both on-and off-campus part-time and summer jobs. These listings are available through the University's Student Employers (<https://www.creighton.edu/studentemployment>) webpage.

Financial Aid Satisfactory Academic Progress

Graduate School students are eligible for financial aid consideration for a total of 45 credit hours attempted or until the Masters degree is conferred, whichever comes first. Graduate students must maintain a cumulative GPA of 3.00 and successfully pass 75% of all credit hours attempted.

Student Life

When admitting a student, Creighton does so with a sincere concern for the student's well-being. With this in mind, the services in this section, in addition to those described elsewhere in this Catalog, are designed to assist each student to attain fulfillment in the university environment.

Graduate Student Government

A Graduate Student Government was formed in 2007, and formally recognized by the Creighton Students Union in 2008. The mission of the Graduate Student Government is fostering a graduate school community that integrates the Jesuit ideals of the University with the professional and academic goals of the everyday graduate student. The goals of the Graduate Student Government are to improve the educational experience of graduate students attending Creighton University; create a conduit between graduate students and the greater Creighton University community; and facilitate communication and involvement among graduate students at Creighton University.

Living Accommodations

On Campus Housing

Creighton University offers on-campus housing for all full-time matriculated students. All unmarried undergraduate students from outside the immediate Omaha area (as defined by the University) are required to live in University residence halls during their first two years at the University. Students from the Omaha area may live in the residence halls. Otherwise, during their first two years at the University, students from the Omaha area must live with a parent or guardian. A request to be exempt from the residency requirement must be made in writing to the Office of the Associate Vice Provost for Student Life-Residence Life by July 15th for requests for the upcoming Fall Semester (April 1 for Opus Hall and Davis Square students) and December 1 for the Spring Semester. Only the Associate Vice Provost for Student Life will be able to permit these exemptions. A resident must be a full-time, matriculated student at the University. If space allows, the University may permit housing of part-time students in University residence halls.

The University operates nine residence halls. Deglman, Kiewit, and Gallagher Halls are traditional-style freshman residence halls with common bathroom facilities. Rooms are double occupancy. Space in Swanson Hall is available to freshman students as well. Swanson is a suite-style hall with four freshman or four sophomore students per suite. McGloin Hall is also a suite-style hall with four sophomore students per suite. Kenefick Hall is an apartment-style hall for sophomores with double-occupancy efficiency and one-bedroom apartments. Heider Hall is an apartment-style residence with double and quad-occupancy efficiency, one-bedroom, and two-bedroom apartments open to sophomore undergraduates. Davis Square and Opus Hall, apartment complexes for junior and senior-level students, house students in two, three, or four-bedroom apartments. Residents of Davis Square and

Opus Hall sign a 12-month lease. All other students contract for the full academic year, beginning in August and continuing until the end of exams the following May.

The residence hall agreement is for room and board. All freshman and sophomore residents are required to have a meal plan. Students living in Deglman, Gallagher, Kiewit, Swanson, and McGloin Halls must choose from 12, 15, or 19 meals per week. Kenefick Hall residents and sophomores living in Heider must select from these three plans or the SuperFlex meal plan. Residents of Davis Square, Opus Hall, and Heider Hall (except sophomores) may purchase 12, 15, or 19 meals per week, the Super Flex meal plan or the Flex meal plan. A student requesting to be waived from the board plan for medical or other reasons must furnish documentation to the Associate Vice Provost for Student Life-Residence Life for review. Generally, the University Dining Services is able to meet most dietary needs. Board plans are also available to off campus and commuting students.

Meals are served in the Becker and Brandeis dining areas located adjacent to the campus residence halls. Students on the board plans may also have dinner in other campus retail locations as part of the meal exchange program. More information about dining opportunities is available from Sodexo food service located on the lower level of Brandeis Hall.

The annual room and board rates in University residence halls effective August 2016 are:

| Building Type | Room | Annual Rate |
|-------------------------------------------------------------------|------------------------|-------------|
| Deglman, Kiewit & Gallagher Halls (Freshmen) | Double | \$6024 |
| | Private | \$8856 |
| Kiewit Triple Rate | | \$4000 |
| Swanson Hall (Freshmen and Sophomores) | Suite Double | \$6348 |
| | Suite Private | \$9328 |
| McGloin Hall (Sophomores) | Suite Double | \$6540 |
| | Suite Private | \$9720 |
| Kenefick Hall (Sophomores) | Efficiency Double | \$6540 |
| | 1 Bedroom Double | \$6636 |
| | Private | \$9720 |
| Heider Hall (Sophomores) | Efficiency Double | \$6540 |
| | Efficiency Private | \$9720 |
| | Small 1 Bedroom Double | \$6592 |
| | Suite Double | \$6540 |
| Davis Square, Opus Hall (12 month contract) (Juniors and Seniors) | Large 1 Bedroom Double | \$6636 |
| | 2 Bedroom | \$6696 |
| Davis Square, Opus Hall (12 month contract) (Juniors and Seniors) | | \$8712 |
| Damage Deposit | | \$100 |

Recontracting Fee \$75

| Board Plans Type | Annual Rate |
|-------------------------------------------------------|-------------|
| All Access Plan/\$150 dining dollars + 5 guest passes | \$4576 |
| 15 Meal Plan + \$360 dining dollars + 5 guest passes | \$4576 |
| 12 Meal Plan + \$460 dining dollars + 5 guest passes | \$4576 |
| 9 Meal Plan + \$550 dining dollars + 5 guest passes | \$4576 |
| Flex 45 + \$325 dining dollars | \$1432 |
| Flex 65 + \$400 dining dollars | \$1908 |
| Flex 90 + \$450 dining dollars | \$2396 |

New students must apply to the Department of Residence Life for a residence hall reservation. All students pay a damage deposit of \$100. Each semester's tuition, fees, and room and board charges are payable at the time of registration. However, arrangements may be made to pay monthly installments by using the University's Monthly Electronic Transfer (MET) (p. 24) plan.

Room and board rates are subject to change without notice. Any special needs as to age or physical condition requiring special housing arrangements will be given full consideration by the Associate Vice Provost for Student Services-Residence Life. Questions regarding housing services and facilities may be directed to the Department of Residence Life, Swanson Hall; telephone (402)280-2717.

Family Housing

Creighton University has limited space in the apartment-style Heider residence hall for families. A twelve-month lease is required on all apartments except for those graduating at the end of the current semester. Available for families are the large one-bedroom apartments (655 sq. ft.) and two-bedroom apartments (1215 sq. ft.). There are only four two-bedroom apartments in Heider Hall. Family housing is available on a first-come, first-served basis.

Off Campus Housing

The Department of Residence Life lists information on rentals in the area of campus. The actual arrangements for housing are left to the individual students. The University is not responsible for the rental agreements between students and their landlords. It is suggested that students set aside several days before registering to search, inspect, and contract for suitable housing.

Center for Health and Counseling

The Center for Health and Counseling houses both Student Health and Student Counseling Services and is located in Suite 1034 of the Harper Center. Together these services are dedicated to promoting healthy life choices and serving the health and counseling needs of Creighton students.

Academic Year Hours:

Monday, Thursday, Friday 8:00am - 4:30pm
 Tuesday 10:00am - 6:30pm
 Wednesday 8:00am - 6:30pm

Summer and Academic Year Break Hours¹:

Monday-Friday 8:00am - 4:30pm

¹ From the Monday after May graduation through Tuesday following Labor Day

Student Counseling Services

Counseling services are available to all full-time Creighton Students. The counseling services are intended to assist all students in their growth, their adjustment to academic and life challenges, and their development of healthy strategies for living. Our services encourage positive health and wellness practices. The staff is sensitive to the cultural and life-style uniqueness of all students. We offer a variety of services to assist with the choices in college life:

- Individual counseling
- Psychological assessment to address academic problems
- Group counseling with groups focusing on women's issues, depression, grief, and transition to college
- Workshops for test anxiety and stress reduction
- Couples counseling
- Psychiatric consultation

Counseling Services staff (full and part time) consists of four licensed psychologists, three licensed counselors, two pre-doctoral psychology interns, and a Board Certified Psychiatrist.

Call the Center at 402.280.2735 for an appointment, or drop in. All counseling services are confidential. The Center is accredited by the International Association of Counseling Services. Counseling services are offered at no cost to Creighton students. There is a fee for some psychological assessment services.

Student Health Services

Student Health Services Administrative Staff

Debra C. Saure, MSN, APRN-NP-C, FACHA Senior Director
 Angela Maynard, BSN, CPN, Assistant Director, Clinical Services
 Susan Weston, RN, Assistant Director, Campus Outreach
 Marian Brown, Operations Manager, Insurance Specialist

Student Health Services Clinical Staff

Theresa Abbott, PA-C, Physician Assistant
 Karin T. Priefert, D.O., Staff Physician
 Taylor Skwarek, LPN
 Kim Iossi, LPN
 Olivia Vargas, LPN
 Tina Penney, CMA; LRT
 Theresa Svoboda, RT, CPC
 Ann Pick, LPN

Student Health Services Operational Staff

Terri Faga
 Michelle Overfelt
 Marjorie Lee

Mission Statement

Student Health Services practices the Jesuit charisms of *being men and women for and with others* and *Cura Personalis* by offering comprehensive, holistic health care on campus. Our college health experts enhance the academic success of students and prepare them to make wellness-based decisions throughout their lives.

Student Health Services

The variety of services available at Creighton University Student Health Services will meet the health care needs of most students. Every effort is made to help students obtain appropriate consultation or referral when additional or specialized services are required. A physician, physician's assistant, or nurse practitioner provides services. **Services are available to all currently enrolled Creighton University students.**

Services Available:

- *Allergy Injections
- *Laboratory/Radiology
- *Acute Illness and Injury Care
- *Health and Wellness Promotion
- *Travel Health
- *Physical Exams (including Pap Smears)
- *Immunizations/Flu Shots

Services are supported by student fees, personal insurance, and/or self pay. Services not covered by personal/family health insurance will be the financial responsibility of the student.

It is essential that a current insurance card be presented at each visit.

How to Obtain Student Health Services

Call 402.280.2735, Monday through Friday. Appointments should be made for all health needs other than emergencies. It is important that you keep scheduled appointments and that you arrive on time. If you will be late or must cancel, please call as soon as possible. Your courtesy will result in the best use of our available appointment times.

Students will be seen in the Center for Health and Counseling, located in Suite 1034 of the Harper Center.

Who Provides the Services?

Physicians, and nationally certified Physician's Assistants and Nurse Practitioners are the core provider staff. An auxiliary staff of Registered Nurses, Licensed Practical Nurses, Medical Assistants and clerical personnel supports them.

Medical specialty and dental care is provided by referral to physicians and dentists within the community.

Participating Provider

Our providers participate with many insurance plans, including BCBS. We are not currently Medicaid or Medicare preferred providers.

All claims are automatically submitted to the insurance carrier indicated by the student at the time services are provided.

It is important to check with your insurance plan to verify the benefit level for services obtained away from home. Some plans require a referral for Out of Network services. The student will be responsible for initiating the referral process required by their insurance company.

After Hours Care

Urgent care services are available at local urgent care centers. These centers have laboratory and x-ray services and can treat most acute illness or injury. Creighton University Medical Center's Emergency Department is conveniently located adjacent to campus. Any after-hours care received will be the financial responsibility of the student. Campus Health Aides are available to students living in Residence Halls and can be reached by calling 402.280.2104.

Services Available during the Summer

Services provided during the summer are the same as those offered during the academic year. These services are provided through personal health insurance and/or self-pay.

We offer two online resources for all students:

Student Health 101 Newsletter: This is an interactive informative monthly newsletter. Learn more about specific issues facing college students and watch from other students regarding campus life, healthy eating on a limited budget, roommate issues, exercise, and so much more at www.creighton.edu/chc

Secure Patient Portal.

Student Health Services is responsible for maintaining the records that relate to the following University requirements. Please contact us if you have any questions.

University Health Insurance Requirements

University Health Insurance Requirement:

Comprehensive Health Insurance (Emergency only coverage does not satisfy this requirement) is required for ALL Full-time students¹ and must include the following:

- National Coverage for inpatient and outpatient **medical** care.
- National Coverage for inpatient and outpatient **mental** health care.
- Coverage is currently active and maintained for the entire school year, including summers.
- Offers an unlimited lifetime maximum or meets federal guidelines.

Automatic enrollment into the University sponsored Plan will occur and the tuition statement will reflect a charge for the entire premium when Student Health Services becomes aware of a lapse in the student's health coverage.

¹ Undergraduate: 12 credits/semester; Graduate: 8 credits/semester

Creighton University Student Health Insurance Plan

As a service to students, the University endorses a comprehensive health insurance plan. This plan is available at a reasonable group rate and provides year-round coverage, wherever the student may be, as long as the semi-annual premium is paid and eligibility requirements are met.

For additional information please contact the Student Health Services Insurance Coordinator, Ms. Marian Brown:

Phone: 402.280.1278

Fax: 402.280.1859

<http://www.creighton.edu/chc>

University Immunization Requirement

All Creighton University students are required to comply with the University's Immunization requirements. Failure to meet these requirements will result in denial of registration privileges and exclusion from clinical activities. Immunization requirements follow CDC guidelines and are reviewed annually.

ALL STUDENTS attending classes on Campus for 2 weeks or more:

Measles, Mumps, & Rubella (MMR)

2 doses MMR vaccine given after the 1st birthday and at least 30 days apart are required of all students born after 1957

OR

Positive blood tests showing immunity for Measles, Mumps and Rubella. (History of illness does NOT meet the **requirement**)

ALL STUDENTS LIVING ON CAMPUS for 2 weeks or more:

Measles, Mumps, & Rubella (MMR) (See Above under ALL STUDENTS)

Meningitis Vaccine

1 dose Meningitis vaccine given after 16 years of age. Applies to ages 21 and under.

Tdap Vaccine

1 dose Tdap vaccine (Tetanus, Diphtheria, Pertussis)

Varicella (Chicken Pox) Verification of chickenpox disease

OR

2 doses Varicella vaccine

International Students:

Must meet requirements for ALL STUDENTS (see above).

If living on campus, must also meet requirements for ALL STUDENTS LIVING ON CAMPUS.

Tuberculosis Screening

Tuberculosis Screening will be done upon arrival to campus unless documentation is provided of a negative PPD skin test done within the past 12 months. *PPD skin test required regardless of prior BCG vaccine. Student with a history of a positive PPD: Chest X-ray done within the past 12 months in the United States OR QuantiFERON Gold testing

Health Science Students enrolled in Dental, EMS, Medical, Nursing, Pharmacy and Health Professions:

Measles, Mumps, & Rubella (MMR)

2 doses MMR vaccine given after the 1st birthday and at least 30 days apart are required of all students, regardless of age

OR

Positive blood tests showing immunity for Measles, Mumps and Rubella. (History of illness does NOT meet the requirement)

DPT/Td/Tdap Vaccine

3 dose series. 1 dose must be a Tdap vaccine given after licensure in 2005.

Polio

3-dose series OR A positive blood test proving immunity.

Hepatitis B

3-dose series AND a positive blood test showing immunity (Hepatitis B surface antibody test). A positive blood test alone meets the requirement.

Varicella (Chicken Pox)

2 doses Varicella vaccine or positive blood test showing immunity for Varicella. (History of illness does NOT meet requirement for Health Science Students.)

Tuberculosis Screening

- Initial 2-step screening.
2 separate PPD skin tests given and read at least 1 week apart. 2 tests in a 12 month period also acceptable.
- Annual PPD screening
- Students with a history of a positive skin test: Chest x-ray done in U.S. in the past 12 months
- Annual Provider Review/QuantiFERON Gold

Annual Influenza Vaccine

This is due before December 1 each year.

Meningitis Vaccine (IF LIVING ON CAMPUS)

1 dose Meningitis vaccine given after 16 years of age. Applies to ages 21 and under.

Additional vaccine information can be found at www.cdc.gov/nip/publications/vis (<http://www.cdc.gov/vaccines/hcp/vis>)

Child Development Center

Students with children may wish to take advantage of the James R. Russell Child Development Center, which is conveniently located at 2222 Burt Street. The Center has reasonable rates, and can accommodate children ranging in age from six weeks through five years. All full-time students may qualify for a tuition discount or state funded child care assistance; undergraduate student parents may qualify for priority enrollment. Call 402.280.2460 or access creighton.edu/childdevelopmentcenter for information.

Military and Veterans Affairs

As an approved institution for federal education benefits from the U.S. Department of Veterans Affairs (VA), Creighton University welcomes active duty servicemembers, veterans and their dependents. Creighton's Office of Military and Veterans Affairs provides services and support to our Veterans, Servicemembers, Dependents and Spouses (VSDS) while promoting a culture of success, well-being and trust. In addition to student support and advocacy, we serve the University community by providing expertise in military affairs relative to ongoing and future educational, research and outreach efforts. The office serves as the primary conduit to military institutional and community partners, as well as maintaining memberships in military professional organizations and associations. We also offer resources and support to faculty and staff to equip them with beneficial knowledge and valuable tools to better serve our VSDS students.

The Office of Military and Veterans Affairs assists students with the use of their veterans educational benefits by acting as their liaison with the VA and certifying their enrollment each term and/or semester to ensure proper receipt of their applicable benefits. Currently we have students in all nine of our schools and colleges using the following benefit chapters:

- Chapter 30 – Montgomery GI Bill – Active Duty (MGIB-AD)
- Chapter 31 – Vocational Rehabilitation & Employment Program (VR&E)
- Chapter 32 – Veterans Educational Assistance Program (VEAP)
- Chapter 33 – Post-9/11 GI Bill (including the Yellow Ribbon Program)
- Chapter 35 – Survivors & Dependents (DEA)
- Chapter 1606 – Montgomery GI Bill – Selected Reserve (MGIB-SR)

Creighton University is very proud of our commitment to our VSDS including our participation in the Yellow Ribbon Program. Chapter 33 students with 100% entitlement are eligible to participate in the Yellow Ribbon program with the exception of students currently on active duty or spouses of active duty servicemembers. Per VA guidelines, they are not eligible for the program. The Yellow Ribbon program is a financial supplement to Chapter 33 that helps students using the benefit bridge the financial gap between the Chapter 33 benefit and the actual cost of tuition and fees. For the 2016-2017 academic year, our Yellow Ribbon program provides eligible students with the following:

- Undergraduate students up to \$20,000 additional tuition dollars per academic year (\$10,000 from Creighton with a \$10,000 match from the VA)
- Graduate School up to \$10,000 per academic year (\$5,000 from Creighton with a \$5,000 match from the VA)
- School of Law up to \$10,000 per academic year (\$5,000 from Creighton with a \$5,000 match from the VA). Maximum of twelve awards each academic year.

The exact amount of Yellow Ribbon dollars received is based on the student's tuition and fees balance after Chapter 33 benefits and institutional aid are applied. Yellow Ribbon awards may reduce, or be reduced by, other institutional aid awarded. The university reviews its Yellow Ribbon commitment annually.

The Office of Military and Veterans Affairs is located in the Hixson-Lied Science Building, Room G-06. Our contact information is (402) 280-4063 or veterans@creighton.edu.

Administration and Academic Policies

Student Responsibility

Each graduate student is personally responsible for completing all requirements established for his or her degree by the University, the Graduate School, and his/her department. It is the student's responsibility to inform himself or herself of these requirements. A student's advisor may not assume these responsibilities and may not substitute, waive, or exempt the student from any established requirement or academic standard. The University reserves the right to modify requirements at any time.

Although the University encourages the widest amount of student responsibility, with a minimum of administrative regulation, it expects each student to maintain appropriate standards in his or her academic and personal life. The University reserves the right to terminate the

registration of any student who does not meet the standards acceptable to the University.

The Academic Year

The traditional academic year is divided into two semesters and summer session. The Heider College of Business also utilizes a Winter Session, offered between the Fall and Spring semesters.

Fall and Spring Semesters

The first semester, often referred to as the "Fall" semester, begins in late August and ends before the Christmas holiday; the second semester, often referred to as the "Spring" semester begins in January and ends in May. In the Fall semester there is a one week mid-semester recess as well as a short Thanksgiving recess. In the Spring semester there is a mid-semester week-long recess as well as a short Easter recess.

Within each semester there are also two eight-week terms, which fit closely within the traditional semester dates, for the graduate programs who use this calendar option.

Summer Sessions

The traditional Summer Session offers courses in shortened time frames. Summer may provide significant opportunities to students who wish to accelerate their studies and satisfy degree requirements or other interests, to teachers who wish to obtain credit for state certificates, and/or for professional improvement, etc. A variety of short workshops and institutes on topics of current interest are part of each summer's offerings.

Within the summer there are two eight-week terms for graduate programs offered in this calendar option.

Unit of Instruction/Credit Hour Policy

The semester credit hour is the unit of instruction at Creighton University.

One credit hour is constituted by a minimum of one hour of classroom or direct instruction plus a minimum of two hours of out-of-class student work each week for a semester (or its equivalent). Utilizing the Carnegie Unit, "one hour" of instruction or class work equals 50 minutes; a semester is defined as not less than 15 weeks.

An equivalent amount of student work (minimum three hours per week for a semester of combined direct instruction and out-of-class student work) must be represented for a credit hour in other academic activities such as laboratories, internships, practica, studio work and other academic work.

Contact the School or College Dean's Office or the Registrar for Creighton's full Credit Hour Policy.

Course Levels and Numbering System

Undergraduate and Graduate level course numbering is as such:

| Course Levels | Description |
|---------------|---------------------------------------------------------|
| 001-099 | Pre-college level courses (not applicable to a degree). |

| | |
|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 100-299 | Lower-division courses (when applicable, 100-199 freshmen; 200-299 sophomores) undergraduate credit only. |
| 300-499 | Upper-division courses (when applicable, 300-399 junior; 400-499 senior) undergraduate credit only. |
| 500-599 | Advanced upper-division courses in which graduate students may enroll and receive graduate credit. (It is assumed that graduate students will perform more requirements and be graded more strictly than undergraduates in these courses.) |
| 600-799 | Graduate courses (master's and doctoral level). |
| 800-899 | Graduate courses (limited to doctoral candidates). |
| 900-999 | Post-doctoral (or post-terminal) degree courses only. |

Class Attendance

Graduate students are expected to attend all lectures and laboratory sessions, except as excused by the instructor. In cases of obvious disinterest, as indicated by absences without reason, the student is subject to dismissal from a course by the Dean at any time during the term.

Academic Load

A student who is registered for eight or more semester hours in a semester, or six or more hours over all summer terms is classified a full-time student. Twelve credit hours per semester (or six credit hours per summer term) is considered a maximal academic load for a full-time graduate student engaged in study for an advanced degree. Teaching and research fellowship holders are permitted eight to 12 semester hours of credit during semesters in which fellowship obligations are incurred. Students who are engaged in full-time work (within or without the University) should not undertake study for more than six semester hours of credit during their full-time employment. A student who is registered for less than eight semester hours in a semester or less than six hours over two summer terms is classified a part-time student. A student who is registered for three semester hours during a semester is classified as a half-time student.

Classification of Students

Degree Seeking Students

Applicants who meet all of the undergraduate prerequisites and other requirements for graduate work in a specific field or field of study are admitted without condition to the Graduate School by action of the Graduate School Dean upon the recommendation of the program director. Such applicants are classified as degree seeking students upon enrollment.

Nondegree Students

Nondegree (special) students are understood to have at the time of registration no intention of applying for a graduate degree at Creighton University. Should the student later decide to pursue a degree, nine credit

hours is the maximum advanced-standing credit allowed in this event. Nondegree seeking students are still expected to perform at a level expected of graduate students. Students who do not perform at a satisfactory level may not be permitted to take additional courses, or may not be accepted as degree seeking students.

Undergraduate Students in Graduate Courses

Undergraduate students in their Senior year are permitted to take courses for graduate credit, provided that they have fulfilled all requirements for graduate work in a specific field or fields. They remain students in the undergraduate college, but must register for graduate courses through the Dean of the Graduate School. Such work, however, will not be accepted as a part of a graduate program unless approved by the Dean.

Registration

Registration

Students must register for each term in which they expect to engage in study. Registration is to be completed within the period specified for a given term. No graduate credit applicable to a degree will be allowed unless a student has formally registered for graduate work at the time of registration for that course. To facilitate the registration process, continuing students should consult with their academic advisor and participate in the registration process through their N.E.S.T. account as specified for the coming term.

Graduate students, under the guidance of the program director, should plan their work carefully so that no changes in the student's Plan of Study (p. 33) should be necessary. When changes seem advisable, they may be made with the approval of the Program director or major advisor.

Special/ Terminal Registration

Graduate students who are working to clear an Incomplete grade, or who have completed all required courses but are still writing a thesis or dissertation may request to be registered as a special or terminal student. Special/terminal registration status will enable a student to have building access and check out materials from the University libraries without being officially registered for a particular semester. Special/terminal registration requires the permission of the graduate program director and the Graduate Dean.

Auditing Courses

Students will be permitted to register as auditors only for exceptional reasons and with the explicit authorization of the Dean. A graduate student may not enroll in more than 12 credits of coursework as an auditor. Not all courses are open to auditors. Auditors are not held responsible for the work expected of regular students, are not admitted to examinations, and receive no grade or credit for the course. Regular attendance and participation in class are expected, however, and auditors are subject the same as regular students to being dropped from the course for excessive absences (in this event auditors receive a "W"). Changes of registration from credit to audit or audit to credit will not be permitted after the deadline, which is four weeks after the first day of classes in Spring and Fall traditional semesters (prorated for shorter terms).

A student who has previously enrolled as an auditor may not take the course for credit during any succeeding semester except by special permission of the Dean.

Charges for courses audited are one-half (50%) of the regular per-credit-hour tuition rate when the per-credit-hour rate is applicable. For Summer Session courses, the 50% reduction for auditors applies to the regular rate only, not to the Summer Session discounted rate. Also, special courses, workshops, and institutes offered at a special flat-rate tuition charge are excluded from the auditor discount.

Students seeking to change from credit to audit status will be eligible for a tuition adjustment (if otherwise applicable) only if the change is made with the dean's approval within the period for late registration.

Changes in Registration (Adding and Dropping of Courses)

Any change after the student's initial registration is permitted either with the written consent of the Dean upon recommendation of the graduate program director or the student's advisor. Changes during the registration period may be made through the student's N.E.S.T. account.

Withdrawing from Courses

Withdrawal from any on campus course after the first week; or from a 7- or 8-week online course after day two, requires sufficient cause and may be made only with the approval of the Graduate Dean. After the period for registration has ended, any petition to drop a course or to change status from credit to audit must include the recommendation by the Graduate Dean. Course withdrawals with a "W" may not be made later than the date posted each semester. A student who drops a course without approval of the Dean receives "WF" for the course (failure because of unauthorized withdrawal).

Withdrawal from the University

A registered student is considered in attendance until he or she has formally notified the University in person or in writing of their withdrawal.

Permission to withdraw from the University is granted by the Dean of the School/College in which the student is registered. This is required as a condition of honorable dismissal.

A student will be considered as having withdrawn from the University after two consecutive weeks of unexplained absence. However, this policy is not to be considered as revoking the regulation that requires a student to notify the Dean in person or in writing of his/her withdrawal. Refunds are made to the student on the basis of the date he/she has formally notified the Dean in person or in writing of their withdrawal.

A student withdrawing from the University during any semester or summer session before the final examinations forfeits credit for work done in that term. Students who withdraw with permission of the Dean receive "W" on their official record; those who drop without permission of the Dean receive "WF" for all courses (failure because of unauthorized withdrawal).

Time to Completion

All work for the master's degrees must be completed within six calendar years from the date of credit for the first graduate course in the program. Doctoral degree course work in the sciences must be completed within eight calendar years from the date of credit for the first graduate course

in the program. Doctoral degree course work in the Interdisciplinary Ed.D. program and the Doctorate in Business Administration program must be completed within seven years from the date of credit of the first graduate course in the program. Post-graduate certificate nursing programs must be completed within four years from the date of enrollment. Prerequisite courses taken at the beginning of a planned program do not count in the time determination. Students may, under extraordinary circumstances, petition the Graduate Dean for an extension. If a program is prolonged, courses taken at the beginning of the period may not be counted toward the required credits for the degree.

Incomplete Policy

An Incomplete (grade of "I") may be given to a student who is unable to fulfill all requirements of a course due to extenuating circumstances. The student may petition the instructor before the close of the term to assign an end-of-term grade of "I" indicating incomplete performance. The instructor may agree to this grade when, as a result of serious illness or other justifiable cause, the work cannot be completed by the end of the term. A grade of "I" will not be granted to a student who has been excessively absent during the term or who has simply failed to complete the work of the course before the close of the term without an exceptionally good reason. Students must submit an Incomplete Request and Agreement Form for a grade of "I" to be assigned. This form indicates the work to be completed and the deadline for completion, which is set by the instructor and should not exceed a maximum one year from the end of the term*. Both the student and professor must endorse the form.

The responsibility for completing all course work rests with the student. After the deadline or maximum one year time limit has passed without a grade submission by the faculty, the grade specified in the Incomplete Agreement will be recorded by the University. (If no grade was designated on the Incomplete Agreement, a failure of the course is assumed and a grade of "F" will be recorded). If credit is desired for a course where a failing grade was assigned, the student must re-register for (appropriate tuition will be assessed) and satisfactorily complete the course. When an Incomplete is cleared and a final grade, either passing or failing, is assigned, the final grade is entered on the student's permanent academic record in place of the "I".

Incompletes do not affect the grade-point average but may affect Satisfactory Academic Progress. A student with an outstanding "I" in a course that is a pre-requisite for another course will not be permitted to enroll in the subsequent course. A degree will not be conferred if the student has any outstanding Incomplete(s).

**Masters and doctoral dissertation courses follow the Incomplete guidelines and timeframe set forth by the Graduate School.*

Adjustments and Withdrawals After Registration

Changes in Registration (Adding and Dropping of Courses)

Any change after the student's initial registration is permitted either with the written consent of the Dean upon recommendation of the graduate program director or the student's advisor. Changes during the registration period may be made through the student's N.E.S.T. account.

Withdrawing from Courses

Withdrawal from any on campus course after the first week; or from a 7- or 8-week on-line course after day two, requires sufficient cause and may be made only with the approval of the Graduate Dean. After the period for registration has ended, any petition to drop a course or to change status from credit to audit must include the recommendation by the Graduate Dean. Course withdrawals with a "W" may not be made later than the date posted each semester. A student who drops a course without approval of the Dean receives "WF" for the course (failure because of unauthorized withdrawal).

Withdrawal from the University

A registered student is considered in attendance until he or she has formally notified the University in person or in writing of their withdrawal.

Permission to withdraw from the University is granted by the Dean of School/College in which the student is registered. This is required as a condition of honorable dismissal.

A student will be considered as having withdrawn from the University after two consecutive weeks of unexplained absence. However, this policy is not to be considered as revoking the regulation that requires a student to notify the Dean in person or in writing of his/her withdrawal. Refunds are made to the student on the basis of the date he/she has formally notified the Dean in person or in writing of their withdrawal.

A student withdrawing from the University during any semester or summer session before the final examinations forfeits credit for work done in that term. Students who withdraw with permission of the Dean receive "W" on their official record; those who drop without permission of the Dean receive "WF" for all courses (failure because of unauthorized withdrawal).

Residence

Only students pursuing a master's degree in basic sciences areas requiring substantial laboratory time will be required to pursue full-time study in residence for a minimum of one academic year. Exceptions require approval of the Graduate Dean. Students pursuing other master's degrees may complete all course work on a part-time basis. A minimum of 24 credit hours must be completed in residence at Creighton University.

Doctoral students in the basic sciences areas must complete at least 60 credit hours of full-time course work in residence at Creighton University. Students in the interdisciplinary Ed.D. program in leadership must complete at least 51 credit hours in residence at Creighton University.

Students in the Doctorate of Business Administration program must complete 54 credit hours in residence at Creighton University.

Transfer of Credit

A graduate student's degree program needs to be undertaken primarily at the direction of Creighton's faculty. Credit earned with grades "A" or "B" at other accredited graduate institutions may be considered for transfer at the time a student's plan of study is constructed. The acceptance of credit offered for transfer will be determined by the Graduate Dean upon recommendation of the program director. Ordinarily, no more than six transfer credits will be applicable toward a master's degree, nor will more than thirty transfer credits offered by the recipient of a master's degree from another institution be applicable to doctoral studies at Creighton. Ordinarily, no more than six transfer credits from a master's program

or nine transfer credits from a doctoral program will be applicable to doctoral studies in the interdisciplinary Ed.D. program in leadership. No transfer credits are accepted in the Doctorate of Business Administration program. Prerequisite undergraduate courses will be accepted in the plan of study (but not count as degree credit) provided they are taken from fully-accredited undergraduate colleges. Allowance of credit toward a graduate degree for courses taken as a Special Student (nondegree status) in the Graduate School may not exceed nine semester hours, except in the case of hours earned in pre-approved certificate programs.

The Degree Program Plan of Study

Upon matriculation the student, in conjunction with their advisor, will identify his/her specific objectives. The advisor will aid the student in constructing a *Plan of Study*, which should be formulated during the first semester in residence for a master's degree or within the first year for the doctoral degree. The advisor and the student together will draw up a Plan of Study to be endorsed by the program director, major advisor or research advisory committee. The Plan of Study for doctoral students will be forwarded to the Graduate Dean. The Plan of Study for master's students should be maintained in the departmental files. The Plan of Study should list the following:

1. Courses required for removal of undergraduate deficiencies;
2. Courses taken prior to submitting the Plan of Study that apply to the minimum credit requirement;
3. Courses required by the degree program;
4. Elective courses (or course options) that may be taken in application to the minimum credit requirement;
5. Courses taken outside the degree program.

The Plan of Study serves as a record for the Graduate School, the program director, the advisor, and the degree candidate for monitoring progress in the degree program. The Plan of Study may be revised only upon approval of the advisor, and/or research advisory committee, and the graduate program director. Master's degree programs must be completed within six years; the Ed.D. and D.B.A. programs must be completed within seven years; Ph.D. programs must be completed within eight years.

The formal acceptance of a plan of study will then establish the courses, experiences, and research endeavors expected in meeting the degree requirements of the program. Prerequisite deficiencies should be included in the *Plan of Study*, although they may not contribute to the minimum credit requirements for the degree. The curriculum will ordinarily culminate with a general comprehensive examination and/or defense of thesis or dissertation. Graduate students pursue a plan of study under either Plan A, which requires a thesis, or Plan B, which does not.

Ordinarily a plan of study will include from 30 to 36 semester hours of graduate course work (including supervised research and research tools) for a Master's degree and 90 semester hours (beyond the bachelor's degree) of course work, independent study, and research for a Doctor's degree. In addition, all doctoral programs and Plan A Master's programs require a dissertation or thesis that represents a significant contribution to the literature of the field. No graduate degree is awarded on the basis of course work alone, but is awarded on the basis of demonstrated proficiency in the field. Specific requirements and opportunities for studies are detailed under the program descriptions.

Policy Statement on Readings and Independent Study Courses

Readings and independent study courses represent an important method for instruction of graduate students who wish to pursue special interests in their degree programs. Ordinarily, not more than two such courses (6 semester hours) should be included in a 30-semester-hour program, since student interaction and student thesis research should occupy the major program commitment. Prior to authorization of Readings and/or Independent Study credit, program directors will require a written summary of what work will be undertaken, identification of the specific resources to be used, the frequency of meetings between the student and his/her instructor, and the method of assigning quality evaluation to the project. A copy of the summary should be given to the student and the original should be maintained in the student's departmental file until final review to certify degree requirements. This policy is intended to assure graduate-level instruction for the students, and to better define the responsibilities of students and their mentors for completion of graduate readings and independent study projects that are assigned degree credit. A copy of each contract will be kept in the student's file.

Thesis, Dissertation and Project Studies

Master's candidates register for Thesis course 799 and doctoral students register for Dissertation 899 in any term in which they are engaged in formal research in connection with, or other formal preparation of, the thesis or dissertation. Normally, the master's thesis requirements can be met within two semesters. Master's candidates may in unusual circumstances and with the permission of the Dean register for six hours of Thesis 799 in a single semester. Normally, however, the student will register for only one three-hour thesis course in a semester.

Because thesis, dissertation, and project studies often do not fit into a convenient timetable for completion, options for extended deadlines are provided. The student may sign up for multiple semesters of thesis or dissertation courses. Letter grades are expected to reflect the quality of the student's work and the quality or adequacy of their progress toward completion. The advisor or the student will notify the Graduate Dean of the date, time and room for the public defense. When the student has successfully defended his or her thesis/dissertation, the advisor will forward a notice signed by all committee members to the Graduate Dean with an explanation of the outcome of the defense. The final letter grade for the thesis or dissertation course will be reported by the student's advisor after acceptance of the completed manuscript.

Detailed specifications for preparing the thesis or dissertation and for scheduling the defense may be had from the chair of the department or found on the Graduate School website under "Current Students." A preliminary copy of the thesis or dissertation should be submitted to the advisor at least two months before the date on which the degree is to be conferred. The thesis or dissertation in its final form must be approved and accepted by the advisor and the advisory committee at least 2 weeks before the degree is conferred. The student must submit an electronic copy of his/her thesis to the Digital Repository on the Health Sciences Library website for permanent storage. The Graduate School will in turn submit the thesis or dissertation to UMI/ProQuest on the student's behalf. No student will be permitted to seek publication of thesis or dissertation material without consent of his or her advisor. Violations of this regulation will lead to appropriate disciplinary action by the Dean.

Grading Guidelines and System

The following guidelines represent sound educational practices that are appropriate to most graduate programs. Graduate Programs and their faculty manifest their disciplinary traditions and expectations differently. Such specific expectations may take precedence over the more general guidelines offered below.

1. Instructors are expected to explain to their students the grading policies, including the evaluation weights for performance expectations to determine the final grade in each course, during the first week of instruction.
2. Final grades assigned to graduate students should be based on demonstrations of competence by the student, which may include tests, examinations, papers, projects, recitations, experiments, skill development, etc.
3. Instructors should be expected to provide students with formative assessment of learning on an ongoing basis.
4. Students should be informed in a timely manner of their scores on exams, papers, projects, etc.
5. Final grades in courses should include evaluation of the student's capacity to organize and communicate (in written and/or oral form) the principal concepts and/or applications of the course content.

Grading System

A student's scholarship rating in each course is determined by the combined results of examinations and class (and laboratory) work as explained above. This rating is reported by the instructor in accordance with the grading system shown below.

| | |
|----|--------------------------------------------------------------------------------------------------|
| A | Indicates not only outstanding achievement but also an unusual degree of intellectual initiative |
| B | Indicates attainment above the average, satisfactory for 500-level courses |
| C | Indicates satisfactory but minimum quality work in courses at or above the 500-level |
| F | Indicates failure — no credit |
| AF | Indicates failure for excessive absences |
| WF | Indicates failure because of unauthorized withdrawal |
| I | Indicates work incomplete |
| X | Indicates absence from final examination |
| AU | Indicates audited course only — no credit |
| SA | Indicates work satisfactory |
| UN | Indicates work unsatisfactory — no credit |
| W | Indicates official withdrawal from a course — no credit |

SA and UN are used to report progress or performance in several instances, e.g., when a course carries no credit, or when laboratory or skills development are a primary focus of the course. Use of SA/

UN instead of regular grading in any other course is not permitted. Credit earned with SA (Satisfactory) may be counted toward graduation but does not affect the student's GPA; however, UN (Unsatisfactory) functions as a failure in computing the grade-point average. An I is given at the end of the term if the work is incomplete but progressing satisfactorily.

Pass/No Pass Option

The Pass/NoPass (P/NP) grading option is available for students in good academic standing for selected courses at Creighton. A limit of nine (9) Pass/No Pass hours will be permitted the eligible student. With this option the instructor of record is not informed which students have registered "P/NP." The instructor's letter grade assignment will be changed to the appropriate "P" or "NP" designation when final grades are processed. A "C" is the lowest possible passing grade. The "P" or "NP" grade does not affect the student's grade-point average. Students may not register "P/NP" for prerequisite, required, and supporting courses in their major area of study.

Incomplete and Absence from Final Examination

The "I" and "X" are marks used, as explained below, to reflect a student's irregular status at the time final end-of-term grade reports are due.

I (Incomplete). A student who has failed to fulfill all requirements of a course may petition the instructor before the close of the term to assign an end-of-term mark of I indicating incomplete performance. An I may be awarded to graduate students only for reasons of illness, unavoidable travel breaks in the program, or for incomplete work on a thesis or dissertation. An I (incomplete) will not be granted to a student who has been excessively absent during the term or who has simply failed to complete the work of the course before the close of the term without an exceptionally good reason.

Students must submit a Completion of Course Agreement Form for an Incomplete to be assigned. This form indicates the work to be completed and the deadline for completion. Both the student and professor must endorse the form.

The responsibility for completing all course work rests with the student. The maximum time limit for clearing an incomplete, except in thesis or dissertation, is one year from the start of the course. If the incomplete is not cleared within this limit, it becomes a permanent I; and the student must reregister for and satisfactorily complete the course if credit is desired.

The I does not affect the grade-point average. However, should a student have more than one-third of his credits for a single registration period outstanding as Incomplete s/he will not be permitted to reregister for additional graduate credit until the incompletes are cleared.

An X is given to a student who missed the regularly scheduled final examination, and the X functions as a failure until it is cleared. If the reason for absence is acceptable to the Dean, an examination must be taken as soon as possible but not later than one month from the date of the regular final examination. A permanent grade is recorded after the final examination is taken. If the examination is not taken as specified or if the reason for absence was not acceptable, the student receives F in the course.

A student who receives an "I" in a course that is a prerequisite for another course will not be permitted to enroll in the subsequent course.

A student who is both incomplete and absent from the final examination will receive both an "I" and "X" (IX), which will function as a failure until cleared as specified above.

Grade Reports

Grades are available to students at the end of each term via the students' NEST accounts.

Quality Requirements

It is expected that students in the Graduate School will do a higher quality of work than those in the undergraduate colleges. Since no degree is conferred in consequence of mere time fulfillment or credits gained, the student must show performance of a superior quality.

A minimum grade of "B" is required to earn graduate credit in 500-series (advanced undergraduate) courses; in courses numbered 600 and above, open exclusively to graduate students, the minimum satisfactory grade is "C." (See specific program sections for any variations.) It does not follow, however, that minimum satisfactory grades will qualify for a degree. Graduate degrees will not be awarded to students who do not possess an overall average of "B" in the graduate program. Furthermore, graduate students are allowed to incur "C" grades in no more than six semester hours. "C+" or "B+" grades are not applicable to rating graduate students in courses being taken for graduate credit (500-series and above.)

The ability to express oneself in idiomatic and grammatically correct English will be regarded as a determining factor in assigning grades, and no one will be allowed to pursue a graduate program unless he or she consistently demonstrates this ability.

Academic Probation

A graduate student who has been in good standing, but whose cumulative GPA falls below 3.00 at the end of any term is placed on academic probation. A student who fails to remove the probationary status by regaining a cumulative 3.00 GPA within one semester of full-time enrollment or its equivalent (8 credit hours) will be dismissed from the Graduate School.

Academic Dismissal

Any student who accumulates more than six credit hours of "C" grade, or any one grade less than "C," in courses in his or her graduate program is disqualified from the Graduate School and will be dismissed from the program.

Discipline

The primary purpose of discipline is educational in nature and is aimed at the development of responsible student conduct.

The University has the right and duty to protect its educational purpose through setting and maintaining standards and regulations considered essential to its purpose. The *Student Handbook* describes disciplinary procedures and penalties, which may include suspension or expulsion from the University. The Student Handbook is available online at www.creighton.edu/students/studenthandbook/.

Continuous Enrollment

All enrolled students pursuing graduate degrees at Creighton University must maintain continuous enrollment from matriculation until completion of all degree requirements. Continuous enrollment is defined as registering for a minimum of three (3) credits in at least two semesters per academic year (Fall, Spring, Summer) until the degree is attained or status as a degree-seeking graduate student is terminated. Students who find that they will not be enrolled for two semesters must request a leave of absence as described below. An exception may be granted for military students who are being deployed, provided they have communicated this information to their program director.

Leave of Absence Program (LOAP)

A Leave of Absence is a planned interruption in a student's formal education. A graduate student may request a Leave of Absence for medical necessity, financial hardship, or other reasons as deemed acceptable by his/her major advisor (if applicable) and the graduate program director. A leave of absence is not intended for students who wish to temporarily attend another college or university.

In order to be eligible for a Leave of Absence, a graduate student must have completed one semester of graduate study at Creighton University and be in good academic standing. A leave of absence may not exceed one calendar year.

Students requesting a Leave of Absence should complete a Leave of Absence Request Form and submit it to their major advisor and/or graduate program director. Upon endorsement by the major advisor and/or program director, the form will be sent to the Graduate School for approval by the Dean, and then filed.

Following the leave of absence, a request for reinstatement or re-entry to the graduate program should be submitted in a timely manner. The student's advisor or program director will consider the request for re-entry and work with the student to develop a plan of study.

If a leave of absence is granted to a doctoral student in candidacy, the time limitation of completing all other requirements within four years after passing the qualifying examination shall be extended by the same time as the length of the leave.

Students are not eligible for financial support (including fellowships or assistantships) during the leave of absence. Resumption of financial support is not guaranteed upon re-entry to the graduate program.

The principal advantage of the LOAP is that it offers a student the opportunity to leave college temporarily with the assurance that he/she will be able to return and resume his/her studies with a minimum of administrative difficulty. Because the leave is initially approved by the School/College and officially recognized as a leave of absence, the student is able to be away from the School/College and still maintain a close tie with it.

Students in this program are considered "on leave" by the University and will not be classified as enrolled students; however, they will be eligible for services of the Career Center and limited use of library facilities.

Appeals and Petitions

Grade Appeals

The instructor has jurisdiction in determining and assigning grades earned by students at the end of each semester in which the course is offered. The criteria and mechanisms for performance evaluation shall be published in the course syllabus and communicated to students at the beginning of the course. When assigning course grades, Instructor(s) of Record will evaluate student performance in a manner that is fair, unbiased, and consistent with those previously published criteria and mechanisms.

Students have the right to appeal a final course grade that they believe to have been assigned in an arbitrary or capricious manner. For the purpose of this policy, "arbitrary or capricious" is defined as "the assignment of a final course grade through means that are erratic, irregular, or inconsistent with grading policies published in the course syllabus and/or inexplicably different from those applied to other students enrolled in the same course." The grade appeal process for students enrolled in the Graduate School will involve the following steps (the issue may be resolved at any level):

1. The student confers with the instructor(s) involved, outlining the basis for dissatisfaction with the assigned grade, in an attempt to come to resolution in the absence of third parties. It is the responsibility of the student to contact the instructor(s) to initiate this step. The process must be initiated within two weeks of the start of the next semester or part-of-term in which the student is enrolled. If at any point in this process, the instructor(s) agree(s) with the student and elects to alter the original grade issued, the process is terminated and the issue is considered closed. Likewise, if the student becomes convinced at any point in the process that the original grade was issued in a manner that was neither arbitrary nor capricious, the process is terminated and the issue is considered closed. If the dispute is unable to be resolved, the process proceeds to Step 2.
2. The student and instructor(s) (preferably together) confer with the chair of the department or graduate program director. If the instructor is the department chair or graduate program director, the appeals process proceeds to Step 3. The chair/program director's role is to host the meeting and facilitate professional and productive communication between parties. At no time should the chair/program director assume the role of decision-maker in the grade dispute. The student may request the presence of his/her academic advisor (if applicable) during this meeting. The academic advisor, if present, may counsel his/her advisee but should not take an active role in the discussion. If, at any time during this step of the process, the instructor(s) agree(s) with the student and elects to alter the original grade, or if the student becomes convinced that the original grade was issued in a manner that was neither arbitrary nor capricious, the process is terminated and the issue is considered closed. The chair/program director must write a memo summarizing the outcome of the meeting. Copies of this memo must be sent by the chair/program director to the instructor(s) of record, the student, the student's major advisor (if applicable), and to the student's academic file through the Dean of the Graduate School.
If the student disputing a course grade is out of the Omaha metropolitan area, the required conversation with the instructor(s) may be made by phone.
3. If resolution of the issue cannot be attained through Steps 1 and 2 outlined above, the student may initiate a formal grade appeal to the

Graduate Dean. If the student elects to formally appeal the grade, s/he must inform the Graduate Dean in writing within 10 working days of the meeting held in Step 2. In the written appeal, the student must outline the specific grounds for the appeal, and clearly and precisely describe the basis for the complaint. A copy of the student's letter of appeal, and any supporting documentation provided by the student, will be forwarded to the instructor(s) of record, the appropriate department chair, the graduate program director, and the Academic Hearing Subcommittee. It is on the basis of the student's written appeal and the supplemental documentation provided to or gathered by the Academic Hearing Subcommittee that the Subcommittee will decide whether or not to hear the case.

The student formally appealing a failing grade has the right to attend classes and exercise the privileges of all other graduate students pending the outcome of the appeal, except when prohibited by department policy or in cases where there are reasons relating to the physical or emotional welfare of the student or of others, or reasons involving the safety of persons or property. The decision on student status will be made by the Graduate Dean.

Normally, the Dean will forward such appeal to the appropriate committee for its review and recommendation. A formal appeal should not be entered upon lightly by a student, or lightly dismissed by an instructor. Under ordinary circumstances, the Graduate Board does not hear appeals of a passing grade.

4. The Graduate Dean will appoint a three-person Academic Hearing Subcommittee from among the members of the Graduate Board for the purpose of reviewing and acting upon written appeals of grades presented by students who have followed the process described in this policy.

When presented with a formal appeal, the Academic Hearing Subcommittee shall secure the course syllabus and request from the instructor(s) of record his/her written response to the appeal. The Subcommittee shall also request from the instructor(s) of record any additional written information on grading policy previously communicated to the class, or other data pertinent to the appeal. Within two weeks of being convened, the Academic Hearing Subcommittee shall review the student's allegations and the documentation provided by both the student and the instructor(s) of record. The Subcommittee shall also have access to information contained in the student's academic file and transcript. At the conclusion of the information-gathering, the Subcommittee shall determine whether sufficient evidence has been presented to proceed with a formal hearing. The burden of proving that a course grade was assigned arbitrarily or capriciously rests with the student.

If the data presented by the student are judged to be insufficient to warrant a hearing, the Chair of the Academic Hearing Subcommittee will so indicate, in writing, to the Graduate Dean, who will inform the student and the instructor(s), in writing, of this determination. At that point, the issue is considered closed. If sufficient evidence is presented by the student to warrant an appeal hearing, the Subcommittee will make a written recommendation to the Graduate Board, along with the rationale. The Graduate Board will act in a timely manner to collect any information necessary to render a decision as to whether the grade issued to the student was assigned in a manner that was either arbitrary or capricious. All written documentation provided to the Subcommittee by the student petitioner and/or the instructor(s) will be shared with the other party. The Graduate Board shall convene as soon as possible to evaluate all evidence pertinent to the case. Board members who have an actual or perceived conflict of interest in the case will not be allowed to attend the hearing or to vote on the outcome. The Board may choose to interview the principals as well as other faculty and students who

may provide insight and/or have direct knowledge about the events of the case. The student will be asked to make a brief statement to the Board. It should contain any additional pertinent information that might not be addressed in written materials, information that the student feels the Board should hear. Written notes to which the student can refer while speaking are permissible. For face-to-face hearings, given the nature of the proceeding, the student should appear before the Board appropriately professionally dressed. The student has the right to the assistance of an advisor, from within the University community, at the hearing. The advisor may not be an attorney. Obtaining an advisor is the student's responsibility. The advisor may attend the interview but may not take an active role in the discussion. No other individual will be allowed to sit in on an interview unless permission is granted by the Graduate Dean. The Graduate Board's decision will be reached by simple majority vote. The specific charge to the Graduate Board regarding a grade appeal is to assess whether the mechanisms utilized by the instructor(s) of record to determine the grade in question were applied consistently and fairly to all students enrolled in the course, and, if not, to identify specifically which evaluation mechanisms were arbitrarily or capriciously applied. The Board will not attempt to determine the grade to be received by the student. The finding of the Board will be returned to the original instructor(s) for appropriate remediation. Once a decision is reached, the Graduate Dean will communicate the final decision to the student, the instructor(s) in question, and the program chair.

The Dean vests full authority for the adjudication of grade appeals in the Graduate Board, and will not serve as a source for further appeal or decision review unless requested to do so by the Provost or the President of the University.

The Graduate Board will not hear appeals of passing grades.

Timeframe for Appeal

Failure of the student to adhere to the time deadlines described above will result in forfeiture of all rights to appeal the grade in question. If deadlines cannot be met due to legitimate reasons, the student can appeal to the Graduate Dean for an extension.

For students enrolled in traditional semester-long courses, the student will have six weeks after the start of the next semester in which the student is enrolled to file a formal grade appeal. Students enrolled in 7- or 8-week courses will have two weeks after the start of the next enrollment term to file a formal grade appeal. This allows time to work through the process described above and submit a written appeal of a grade. Failure to review grades that have been posted online by the Registrar's Office at the end of the semester or term will not be viewed as a reason to suspend any of the time deadlines set forth in this policy. It is the responsibility of the student to ensure that the Registrar's Office has the address to which official correspondence should be sent so that it is received by the student in a timely manner.

Dismissal Appeals

A student has the right to appeal a dismissal from the Graduate School by filing a petition for reinstatement within 10 working days of the date of the written notice of dismissal from the Graduate School. A petition for reinstatement should be submitted in writing to the Dean and indicate the reasons the student feels s/he should be reinstated as well as the steps s/he plans to take to improve her/his academic performance. The Graduate School will request a statement from the instructor(s) regarding the student's performance in the course, as well as a statement from the

graduate program director. The student may provide a letter in support of her/his reinstatement from the program director, instructor, or other faculty member in the program. Issues of dismissal and reinstatement are heard by the Graduate Board. A dismissed student appealing for reinstatement has the right to attend classes and exercise the privileges of all other graduate students pending the outcome of the appeal, except in cases where there are reasons related to the physical or emotional welfare of the student or others, or reasons involving the safety of persons or property. The decision of student status will be made by the Dean, upon recommendation of the Graduate Board.

In cases of academic misconduct, if a serious penalty (i.e. expulsion from the University, suspension, or a request for withdrawal) is imposed by the Dean, the student has the right to appeal to the University President, following the procedures outlined in the Student Handbook. If a student is reinstated into the Graduate School and subsequently dismissed again, the student does not have the right to request reinstatement.

Academic Responsibility of Graduate Students

Rationale

All universities are concerned with the cultivation of specialized knowledge and the development of technical skills, and by introducing graduate and post-doctoral students to these disciplinary arts, they preserve, transmit and refine the current body of knowledge and lay claim to their definitions of academic excellence. While research contributing to the advancement of a particular form of intellectual inquiry marks the completion of traditional graduate plans, the end goal of the plan lies in the achievement of certain ways of thinking.

Achievement of graduate educational goals lies in development of analytical independence and conceptual self-consciousness; in the stimulation of creative imagination and critical abilities; in adoption of disciplined thinking and commitment to personal honesty, intellectual integrity, analytical consideration of competing claims, and respect for the contributions of others to a common intellectual enterprise. Creighton University has a reputation for developing people of high professional competence; our best graduates combine professional excellence with a healthy capacity to see technical problems in their larger contexts, and to combine imagination, intellect and action into forming a Christian wisdom that extends beyond mere convention.

Policy on Academic Honesty

In keeping with its mission, the University seeks to prepare its students to be knowledgeable, forthright, and honest. It expects and requires academic honesty from all members of the University community. Academic honesty includes adherence to guidelines established by the University, its Colleges and Schools and their faculties, its libraries, and the computer center.

“Academic or academic-related misconduct” includes, but is not limited to, unauthorized collaboration or use of external information during examinations; plagiarizing or representing another’s ideas as one’s own; furnishing false academic information to the university; falsely obtaining, distributing, using or receiving test materials; falsifying academic records; falsifying clinical reports or otherwise endangering the well-being of patients involved in the teaching process; misusing academic resources; defacing or tampering with library materials; obtaining or gaining unauthorized access to examinations or academic research material; soliciting or offering unauthorized academic information or

materials; improperly altering or inducing another to improperly alter any academic record; or engaging in any conduct which is intended or reasonably likely to confer upon one’s self or another an unfair advantage or unfair benefit respecting an academic matter.

Further information regarding academic or academic-related misconduct, and disciplinary procedures and sanctions regarding such misconduct, may be obtained by consulting the current edition of the Creighton University Handbook for Students (<http://www.creighton.edu/students/studenthandbook>). However, students are advised that expulsion from the University is one of the sanctions which may be imposed for academic or academic-related misconduct.

The University reserves the right to modify, deviate from, or make exceptions to the foregoing or to the Handbook for Students (<http://www.creighton.edu/students/studenthandbook>) at any time, and to apply any such modification, or make any such deviation or exception applicable to any student without regard to date of admission application or enrollment.

Required Documentation

All master’s students completing a program under Plan A (thesis) and doctoral students are required to submit to the Graduate School the necessary forms to track their progress toward degree completion. These include a Plan of Study, Committee Evaluation, Progress Report, Advancement to Candidacy, Application for Final Oral Examination, and a Final Report on Candidate for Degree. These forms may be obtained from the graduate program director, or on the Graduate School website.

Admission to Candidacy for an Advanced Degree

Admission to the Graduate School does not imply admission to candidacy for the Ed.D. or Ph.D. degree. Students are granted candidacy to the Interdisciplinary Ed.D. program in Leadership after successful completion of 32 credits and upon satisfactory portfolio review and approval. In order to be advanced to candidacy for the Ph.D. degree a student must have previously been admitted to the Graduate School, have completed approximately half the number of hours in the degree program, and passed the comprehensive examination. For the master’s degree, however, the comprehensive examination can be used either to advance students to candidacy for the Ph.D. or, to measure terminal learning outcomes at or near the completion of the program of study.

Application for Degree or Certificate/Commencement

Application for Degree and Commencement

Each student must file a formal application for degree (completed online through the N.E.S.T.) with the Registrar by the following deadlines:

Degree completion at end of Spring semester: February 15

Degree completion at end of Summer: March 15
(or June 15 if not participating in Commencement ceremony)

Degree completion at end of Fall semester: October 15
(or previous March 15 if participating in Commencement ceremony prior to degree completion)

Late applicants may be charged a late fee.

Annual University Commencement ceremonies are held in May. Students who complete their degrees in the Spring Semester are expected to be present at Commencement to receive their degrees. Students who complete their degree programs in the Fall Semester may attend Commencement in May following completion. Students who complete their degree requirements during the Summer are encouraged to attend Commencement the preceding May (if approved by their Dean) or may attend the May Commencement following completion. Diplomas of August and December graduates will be mailed upon confirmation of the completion of all degree requirements by the respective Dean.

NOTE: A student may participate in only one Commencement ceremony for each degree granted.

The respective Deans of the Schools and Colleges of the University have the responsibility for approving candidates for graduation.

Those applicants who do not complete all degree requirements or who are not approved must complete another application by the published deadline in order for a degree to be conferred at the end of the next semester.

Application for Certificate

Each student must file a formal application for certificate with the Registrar by the following deadlines:

Certificate completion at end of Spring semester: May 1

Certificate completion at end of Summer: August 1

Certificate completion at end of Fall semester: December 1

The respective Deans of the Schools and Colleges of the University have the responsibility for verifying and approving completion of certificate requirements. Applications are completed online.

Students earning certificates do not participate in Commencement or Hooding ceremonies.

Comprehensive Examination

Each program requiring a written comprehensive examination determines the content of that examination and administers the examination. The student is provided an opportunity to demonstrate general knowledge of the discipline and to give evidence of analytical abilities. The comprehensive examination represents the culmination of intensive formal study and serves to demonstrate proficiency required for the cultivation of the habit of inquiry and/or learning outcomes specified for a specific program. The student should consult with his or her advisor and the faculty throughout the formal study in determining what preparation will be expected.

The comprehensive examination will be scheduled upon recommendation of the student's advisor and program director; ordinarily, the completion of the course work required in the Plan of Study should be anticipated in the semester during which the examination is to be taken. The student is advanced to candidacy upon passing the comprehensive examination.

The program director (or department chair) will notify the Dean of the Graduate School whether the student has passed or failed the comprehensive examination. A candidate who has failed the comprehensive examination will be permitted to take it only one more time, but only after a one-semester study period has been completed.

Failure of the comprehensive examination disqualifies the student for the thesis examination or dissertation defense and/or graduation.

Confidentiality and Privacy of Student Records

Creighton University's policy relating to the confidentiality and privacy of student records is in keeping with the Family Educational Rights and Privacy Act (FERPA). Information about students or former students will not be released without the consent of the student other than in the exceptions stated in the Federal Act. FERPA affords students certain rights with respect to their educational records. They are:

1. **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, Department Chair, or other appropriate official, a written request that identifies the record(s) they wish to inspect. The University official will make arrangements for, 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.
2. **The right to request the amendment of the student's education records that the student believes is inaccurate or misleading.** Students may ask the University to amend a record that they believe is inaccurate or misleading. They should write the University official responsible for the record, clearly identifying the part of the record they want changed and specify why it is inaccurate or misleading. If the University decides not to amend the record as requested by the student, the University will notify the student of the decision and advise the student of his or 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.
3. **The right to consent to disclosures of personally identifiable information contained in the student's education records, except to the extent that FERPA authorizes disclosures without consent.** One exception that permits disclosure without consent, is 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 Public Safety personnel and Student Health staff); a person or company with whom the University has contracted (such as an attorney, auditor, collection agency, and the National Student Clearinghouse); 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 or her tasks. Generally, schools must have written permission from the student in order to release any information from a student's education record. However, FERPA allows schools to disclose those records, without consent, to the following parties or under the following conditions:
 - School officials with legitimate educational interest
 - Other schools to which a student is requesting transfer or enrollment
 - Specified officials for audit or evaluation purposes
 - Appropriate parties in connection with financial aid to a student
 - Organizations conducting certain studies for or on behalf of the school
 - Accrediting organizations

- To comply with a judicial order or lawfully issued subpoena to a parent of a student under the age of 21 concerning the student's violation of any law or policy regarding the use or possession of alcohol or a controlled substance.
 - Appropriate officials in cases of health and safety emergencies
- Disclosures to the student

4. FERPA permits disclosure of educational record information to a student's parent or guardian if the student is their dependent for federal tax purposes. To rely on the exception, the University must verify a student's dependent status by asking the student for confirmation or by asking the parent/guardian to provide a copy of the portion of their tax return showing they claimed the student as a dependent. Students may grant their parents or another third party access to their academic records by following the procedure on their N.E.S.T. account.

FERPA also allows the University to disclose directory information without the written consent of the student. Directory information is information contained in an education record of a student which generally would not be considered harmful or an invasion of privacy if disclosed. Directory information includes the student's full name, the fact that the student is or has been enrolled full-time/part-time status, local and permanent address(es), e-mail address(es), telephone number(s), date and place of birth, dates of attendance, division (school or college), class, major field(s) of study and/or curriculum, degrees and awards received, participation in officially recognized activities and sports, weight and height of members of athletic teams, photographs, and previous educational agency or institution attended by the student.

A currently enrolled student may request any or all directory information not be released by indicating this on their N.E.S.T. account. The restriction shall not apply to directory information already published or in the process of being published. Once the student has designated a confidential classification, it will not be removed until the student indicates this through their N.E.S.T. account or submits a signed request to the Registrar's Office.

5. **The right to file a complaint with the U.S. Department of Education concerning alleged failures by Creighton University to comply with requirements of FERPA.**

The name and address of the office that administers FERPA are:

Family Policy Compliance Office
U.S. Department of Education
400 Maryland Avenue, SW
Washington, DC 20202

Location, Types, and Custody of Educational Records

Following is a listing of the location and types of education records and the title of the respective official responsible:

Registrar's Office (Brandeis Hall 202)

- Application for admission and supporting documents, including standardized test scores, transcripts of academic work completed elsewhere
- Cumulative academic records
- Academic action reports
- Correspondence, etc

School or College Dean's Office

- Records will vary with Dean's office, but may include records and reports in original or copy form generally comparable to those maintained by Registrar
- Academic progress reports, evaluations and related actions
- Attendance data
- Correspondence, etc

Academic Advisor's Office

- Cumulative files containing academic information are maintained by some academic departments and by some faculty advisors concerning their advisees

Athletic Department (Ryan Athletic Center)

- Directory information
- Recruiting and eligibility records
- Performance statistics

Center for Health and Counseling (Harper Center, Room 1034)

- Medical records
- Counseling records

Office of International Programs (Creighton Hall, Third Floor)

- Records of international students
- Records of students who studied abroad

Residence Life Office (Swanson Hall 136)

- Housing information

Student Financial Aid Office (Harper Center 2040)

- Financial aid records

University Business Office (Creighton Hall 113)

- Financial records, including those pertaining to tuition, fees, and student loans

University Relations (Wareham Building, 3rd Floor)

- Directory information and other personal data about former students and graduates, and their subsequent activities and achievements

Vice Provost for Student Life (Creighton Hall 224)

- Disciplinary records

University Ministries (Creighton Hall, Room 110)

- Directory information
- Religious affiliation

Questions concerning the Student Records Policy may be referred to the University Registrar, who is designated as the University Custodian of Student Records.

Thesis Examination or Dissertation Defense

A degree candidate who has or will have satisfactorily completed the minimum credit Plan of Study, the comprehensive examination, and the

draft of his or her thesis or dissertation will be permitted to undertake an oral defense of the thesis or dissertation. The thesis or dissertation committee will have conferred with the candidate and had a suitable copy of the manuscript in their hands at least 30 days prior to the oral examination and defense.

The master's degree candidate's committee will be chaired by the student's major advisor and will normally include at least two other faculty members qualified in the student's major discipline.

The doctoral degree candidate's committee shall normally consist of two faculty members qualified in the major discipline including the major advisor (chair), one to two faculty members qualified in support areas of study, and one expert faculty member from outside the department or visiting professor from the subject of specialization. The subject of the examination shall be the background, methods, results, and conclusions of the student's dissertation and the relationship of these results and conclusions to the major discipline. The dissertation defense will be open to all graduate faculty, although faculty from outside the committee may not participate directly in the examination.

Transcripts

A copy of a student's academic record is called a transcript and is issued by the University Registrar upon signed request, or its equivalent, of the student. Transcript request information is available at the Registrar's Office or on the Registrar's website (<http://creighton.edu/registrar/transcripts>). Copies are not made of transcripts on file from other institutions; any additional copy of these must be requested by the student direct from the original issuing institution.

Commencement

Annual University Commencement Ceremonies are held in May. Students who complete their degree programs in the Spring Semester are expected to be present at Commencement to receive their degrees. Students who complete their degree programs in the Fall Semester may attend Commencement in May following completion or, with approval of the Dean's Office, in the preceding May. Students who complete their degree programs during the Summer are encouraged to attend Commencement the preceding May (with approval of the Dean's Office) or may attend the May Commencement following completion. Diplomas of August and December degree conferrals will be mailed upon confirmation of the completion of all degree requirements by the respective Dean.

NOTE: A student may participate in only one Commencement ceremony for each degree granted.

The respective Deans of the Schools and Colleges of the University shall have the responsibility for clearing all participants of Commencement.

The Graduate School holds a hooding ceremony in December and May.

Graduate Programs and Courses

The Graduate School offers master's and doctoral degrees, as well as graduate and post-graduate certificates. Courses are also available for persons not seeking a certificate or degree, but desire knowledge for personal or professional enhancement.

Master of Arts

Plan A or Plan B

Christian Spirituality (p. 66)
 English (p. 89)
 Medical Anthropology (p. 111)¹
 Ministry (p. 120)¹
 Theology (p. 167)

Master of Science

Plan A (Thesis)

Biomedical Sciences (p. 48)
 Clinical and Translational Science (p. 72)
 Health and Wellness Coaching (p. 100)¹
 Medical Microbiology and Immunology (p. 116)
 Oral Biology (p. 147)
 Pharmaceutical Sciences (p. 151)
 Pharmacology (p. 155)
 Physics (p. 158)

Plan B (Non Thesis)

Business Intelligence and Analytics (p. 61)²
 Clinical Anatomy (p. 71)
 Educational Leadership (p. 78)¹ - *Magis Teacher Corps available*
 Emergency Medical Services (p. 87)¹
 Government Organization & Leadership (p. 94)
 Health and Wellness Coaching (p. 100)¹
 Health Care Ethics (p. 96)¹
 Organizational Leadership (p. 150)
 Negotiation and Conflict Resolution (p. 123)²
 Occupational Therapy (p. 146)
 Rehabilitation Science (p. 162)
 School Counseling and Preventive Mental Health (p. 163)² - *Magis Teacher Corps available*
 Physics (p. 158)

Master of Accounting

Accounting (p. 47)

Master of Business Administration

Business Administration (p. 52)²

Master of Education

Elementary Teaching (p. 78)
 Secondary Teaching (p. 78) - *Magis Teacher Corps available*

Master of Finance ²

Finance (p. 94)

Master of Fine Arts

Creative Writing (p. 76)

Master of Public Health

Public Health (p. 160)¹

Master of Science in Nursing

Clinical Nurse Leader (p. 144)

Clinical Systems Administrator (p. 144)

Master of Investment Management and Financial Analysis

Investments and Financial Analysis (p. 104)²

5-year B.S.B.A. to M.S. (NCR) degrees program

BSBA to MS (NCR) program (<http://catalog.creighton.edu/undergraduate/business/marketing-management/bsba-msncr-5year>)

- ¹ Program offered in an online format.
- ² Program offered in both online and on campus format.

Doctor of Business Administration

Business Administration (p. 51)

Doctor of Philosophy

- Biomedical Sciences (p. 48)
- Clinical and Translational Science (p. 75)
- Medical Microbiology and Immunology (p. 116)
- Pharmacology (p. 155)

Doctor of Nursing Practice

- Nurse Practitioner (p. 138) – *Adult-Gerontology Primary Care or Adult-Gerontological Acute Care or Pediatric Acute Care or Family or Neonatal*
- Clinical Systems Administrator (p. 142)

Doctor of Education ¹

Interdisciplinary Leadership (p. 111)

- ¹ Program offered in an online format.
- ² Program offered in both online and on campus format.

M.D./M.B.A.

Students have the opportunity to obtain a Doctor of Medicine (M.D.) and Master of Business Administration (M.B.A.) through a dual degree program offered by the School of Medicine and the Heider College of Business. This combined degree program pairs the traditional medical curriculum with an M.B.A. degree. The M.B.A. degree is largely completed during a sabbatical year from medical school. Students in the program complete the M.B.A. curriculum as full-time students between the M2 and M3 years of medical school. This degree program provides students with additional career opportunities as administrators and executives in health-care related fields. It will also help M.D.s in large and small practices perform business-related functions more effectively and with a deeper level of understanding. For more information, see Master of Business Administration (MBA) (p. 52).

Pharm.D./M.B.A.

The dual Doctor of Pharmacy (Pharm.D.)/Master of Business Administration (M.B.A.) program is a cooperative venture between the

Heider College of Business and the School of Pharmacy and Health Professions. The program allows Pharm.D. students to complete an M.B.A. degree in the evening, during the time it takes to complete the Pharm.D. degree and in less time and with less expense than if the two degrees were pursued separately. The program is designed assuming students have no business foundation courses completed beyond what is already required in the pre-professional component of the Pharm.D. program. If a Pharm.D student has taken business foundation (prerequisite) coursework, the relevant foundation courses will be waived and the student may finish the program in fewer hours.

Candidates for the dual program must make separate application to, and be independently accepted by, the Heider College of Business and the School of Pharmacy and Health Professions. Although the applicant must meet all admission requirements of each program, acceptance does not have to occur simultaneously. However, the student must make the application for the second program while still actively enrolled in the first to be considered for the dual program.

Pharm.D. students must have accumulated at least 120 semester credit hours in order to be considered for admission to the M.B.A. program. A maximum of six credit hours of specific Pharmacy electives can be applied toward the nine hours of electives required for the M.B.A. degree. Further details concerning this dual program may be obtained from the Director of Admission for the School of Pharmacy and Health Professions or the Coordinator of the Graduate Business Programs. For more information, see Master of Business Administration (MBA) (p. 52).

J.D./M.B.A.

The dual Juris Doctor (J.D.)/Master of Business Administration (M.B.A.) program is a cooperative venture between the Heider College of Business and the School of Law that allows students to combine the legal aspects of the J.D. degree with the general managerial aspects of the M.B.A. degree in less time than if each degree were earned separately. The program allows J.D. students to complete an M.B.A. degree in the evening during the time it takes to complete the J.D. degree, assuming that J.D. students have completed all of the M.B.A. Foundation courses. Specific courses have been defined by the Heider College of Business and the School of Law that can be used to satisfy elective requirements in each program. For more information, see Master of Business Administration (MBA) (p. 52).

Candidates for the dual program must make separate application to, and be independently accepted by, the School of Law and the Heider College of Business. Although the applicant must meet all admission requirements of each program, acceptance does not have to occur simultaneously. However, application for the second program must be made while still actively enrolled in the first to be considered for the dual program. The Law School will accept in transfer toward the J.D. degree a maximum of 12 credit hours of M.B.A. coursework. The M.B.A. program will accept in transfer toward the M.B.A. degree a maximum of six credit hours of specific Law School coursework in elective courses for which the student receives a grade of "C" or better on the Law School scale. Uniform Graduate School requirements will be maintained for M.B.A. graduation. The final decision on transferability of credits rests with the Associate Dean of the Law School and the Director of Graduate Business Programs. For more information, see Master of Business Administration (MBA) (p. 52).

M.B.A./M.S. (BIA)

The Master of Business Administration (M.B.A.)/Master of Science (M.S.) in Business Intelligence and Analytics (BIA) dual degree program enables students to earn both the M.B.A. and M.S.- BIA degrees in a streamlined 48-credit-hour program, considerably less time than if the degrees were earned separately. With both degrees, students will have an impressive collection of managerial and technology skills and competencies. The dual degree program combines the managerial technology synergies of the M.S.- BIA degree with the depth of the general management education found in the M.B.A. degree. Students must apply for the second program before completing the requirements for the first degree and have three years after graduating with the first degree in which to complete the second degree. For more information on the dual degree program contact the Coordinator of Graduate Business Programs or see Master of Business Administration (MBA) (p. 57).

M.B.A./M.I.M.F.A.

The dual Master of Business Administration (M.B.A.)/Master of Investment Management and Financial Analysis (M.I.M.F.A.) program prepares students for advanced financial analysis and investment management as guided by the Code of Ethical Practices and Professional Conduct, while preparing them to be values-based leaders via the general management education of the M.B.A. degree. The streamlined program can be done in considerably less time and cost than if the two degrees were earned separately. For more information, see Master of Business Administration (MBA) (p. 52).

M.B.A./M.S. (NCR)

Students who choose to combine an Master of Business Administration degree with the Master of Science (M.S.) in Negotiation and Conflict Resolution (N.C.R.) achieve a deeper understanding of the business context in which negotiation and conflict resolution may take place. They also learn the specific vocabulary of business, and gain the technical knowledge needed to understand and interpret complex financial issues and documentation. For more information, see Master of Business Administration (MBA) (p. 52).

MBA or MS (BIA) - Second Master's Degree

Persons who have earned an M.B.A. or M.S.-BIA degree at Creighton University, but who did not participate in the dual degree program, may complete the requirements for and earn a second degree, either an M.B.A. or M.S.-BIA. The student must complete all the requirements for the second degree except for six semester hours (MBA 776 Business, Ethics and Society or ITM 731 Information Systems Management and three elective hours).

The second degree program requires completion of an additional 27 semester hours of credit beyond the Foundation in required and elective courses. If any of the courses required in the second degree program were completed as requirements in the first degree program, the student, with the approval of the director, will select alternate courses appropriate to the second degree program. For more information, see Master of Business Administration (MBA) (p. 52) and Master of Science in Business Intelligence and Analytics (BIA) (p. 61).

M.D./M.S. (HCE)

The Creighton University School of Medicine and the Graduate School offer a coordinated dual degree program leading to the separate conferral of both the Doctor of Medicine (M.D.) and the Master of Science (M.S.) in Health Care Ethics (HCE) degrees. The program is structured so that

students will receive credit toward the M.S. degree for the IDC 135 Ethical and Legal Topics in Clinical Medicine course, complete one ethics course the summer between the M1 and M2 year, and then take a full year to focus on the M.S.-HCE degree between the M2 and M3 years. Students will complete the M.S. degree during the M4 year by taking the MHE 609 Capstone course, which will also fulfill two M4 elective requirements. For more information, see Health Care Ethics, MHE) (p. 96).

MD/MS (CTS)

The M.D./M.S. in Clinical and Translational Science (CTS) offered by the Center for Clinical & Translational Science is a comprehensive 5-year program designed to train future clinical and translational investigators from diverse scientific backgrounds and disciplines during their medical school education. The specific goal is to prepare the scholars of this program to identify important clinical questions, develop research protocols, conduct clinical and translational investigations in highly interdisciplinary and collaborative team settings, generate pilot data, analyze and record the results in a publishable form, and develop and submit grant proposals. Scholars will be required to compose and successfully defend a Master's thesis. CTS scholars will be mentored and supported in writing independent research grant applications and will be enrolled as full-time M.D./M.S.-CTS students. A structured course curriculum, research environment and resources will be provided. Upon completion of the program, scholars will earn both M.D. and Master of Science in CTS degrees. Graduates will have gained the ability to conduct clinical and translational research as independent investigators during the course of residency in their chosen specialty. For more information, see Clinical and Translational Sciences (p. 75).

PharmD/MS (Pharmaceutical Sciences)

For more information, see Pharmaceutical Sciences (p. 155).

JD/MS (GOAL)

The J.D./M.S. in Government Organization and Leadership (GOAL) joint degree program from Creighton University School of Law prepares students for leadership positions with government entities and the organizations that work closely with them. Participants gain an invaluable mix of career-driven legal experience and professional subtleties that can't be learned from a textbook. The inner workings of our nation's capital are seen first hand. For more information see School of Law. (<http://catalog.creighton.edu/law/dual-degree-programs/government-organization-leadership-dual-degree-jd-ms>)

JD/MS (NCR)

The J.D. and M.S. in Negotiation and Conflict Resolution degrees leverage the strengths of both the School of Law and The Werner Institute, to bridge the study of law, business, social science and humanities. The dual degree program provides students a comprehensive understanding of a) what conflict is, b) why it occurs, and c) how to manage it. For more information see Master of Science in Negotiation and Conflict Resolution (p. 128).

MS (NCR)/MS (Organizational Leadership)

With a Master of Science (M.S.) in Organizational Leadership and Master of Science (M.S.) in Negotiation and Conflict Resolution, students gain leadership skills from a unique perspective. A great leader must do more than establish a vision and goals. Collaborative problem solving and conflict management are skills necessary for any leader to provide the motivation and dedication to those who will carry out that vision. This

dual degree program will increase one's capacity for success in any leadership role. Students will develop an understanding of the influence conflict dynamics has on individuals, groups, and organizations to manage challenging situations effectively. For more information see Master of Science in Negotiation and Conflict Resolution (p. 128).

MS (NCR)/MSN MS (NCR)/DNP MA (Theology)/M.Ed. (Secondary Teaching)

For information see Theology (p. 176).

The Graduate School offers graduate certificates in the following areas:

Business Analytics (p. 66)

Catholic School Leadership (p. 86)

Clinical and Translational Science (p. 76)

Creative Writing (p. 78)

Cultural Competency in Health Care (p. 115)

Early Childhood Education (p. 86)

Emergency Medical Services (p. 89)

Financial Planning (p. 60)

Health Care Ethics (p. 99)

Health Care Collaboration and Conflict Management (<http://catalog.creighton.edu/graduate/graduate-programs-courses/negotiation/ncr-healthcare-cert>)

Organizational Leadership (p. 151)

Lifestyle Medicine (p. 102)

Medical Anthropology (p. 114)

Negotiation and Conflict Resolution (p. 124)

Project Management (p. 60)

Spiritual Direction and Directed Retreats (p. 70)

Spiritual Formation (p. 104)

The following post-graduate certificates are offered:

Pediatric Acute Care Nurse Practitioner (p. 146)

Family Nurse Practitioner (p. 145)

Neonatal Nurse Practitioner (p. 146)

Adult-Gerontology Acute Care Nurse Practitioner (p. 144)

Degree Requirements

The requirements for graduation depend upon the particular program of study undertaken. Specific program and departmental requirements are

listed in the specific program's section. The following requirements apply to all programs:

1. The candidate for an advanced degree must earn at least a 3.00 (B) average in all graduate work taken at this University and have accumulated a minimum residence requirement of 24 credits if in a Master's program with the thesis option (Plan A), 27 credits if in a Master's program which does not require a thesis (Plan B), or 60 credit hours beyond the master's degree if in a Ph.D. program.
2. Master's degree programs with the thesis option must contain a minimum of 30 credits, and non-thesis programs, a minimum of 33 to 36 credits; Ph.D. programs must contain a minimum of 90 credits beyond the Bachelor's level.
3. No graduate-level course (600-899 series) with a grade lower than "C" may be applied toward the fulfillment of degree requirements. Courses taken from the advanced undergraduate series (500-level) may be applied toward degree requirements provided they are passed with a grade of "B" or higher, and provided they do not exceed one-half the course credits required in the entire program for a master's degree. In Ph.D. programs, approved 500-level courses may be included within the first 30 hours; thereafter all courses must be exclusively graduate level.
4. A thesis or project (790 series) must be completed in partial requirement for a master's degree with no fewer than three or more than six credits allowed toward fulfillment of master's degree research requirements. Doctoral dissertation credits may accumulate to 20 hours in the Ph.D. program, and the total research credit permitted in Ph.D. credit requirements may not exceed 45 semester hours.
5. A thesis, dissertation, project or a final comprehensive examination must be satisfactorily completed to qualify for graduation. Failure of the comprehensive examination or the thesis/dissertation requirement of a program is failure of both options. The comprehensive examination may be repeated once after a minimum one-semester study period.
6. All requirements for master's degrees must be completed within six years of the date when the program was initiated (i.e., when the first credit applying to the degree was earned). Ph.D. programs must be completed within eight years. The Ed.D. program must be completed within seven years. The D.B.A. program must be completed within seven years.
7. A graduate student who expects to receive a degree within a particular academic term must have been advanced to candidacy, applied for the degree, and fulfilled all degree requirements during that term. Consult the calendar of deadlines. The student must ordinarily be enrolled during the term in which the degree is expected.
8. Proficiency of a student in any and all parts of the curriculum is properly ascertained by the graduate faculty. A favorable vote of the faculty is required for a student to receive an advanced degree.

Accounting

The Master of Accounting (MAC) program is a non-thesis program designed in a more integrative, intensive fashion than undergraduate education and more in depth than is found in an MBA program with a concentration in accounting. A student's MAC program can be designed so that the student is able to sit for the CPA exam in any state the student chooses.

Program Goals

1. **Professional Values and Attitudes:** Graduates of the MAC Program should possess an understanding of the accounting profession, what it stands for, what it means to become an accounting professional and participate in and contribute toward the advancement of the ideals of the accounting profession.
2. **Professional Accounting Knowledge:** Graduates of the MAC Program who are interested in earning the CPA or some other professional accounting designation (such as CIA, CMA, or CISA) designation will have designed a MAC Program so that they have the knowledge and the requirements to successfully sit for the CPA or other professional exam in whichever state they choose to take the exam.
3. Graduates of the MAC Program will possess an understanding of how their personal and professional activities can enrich and renew the accounting profession and society.
4. Graduates of the MAC Program should possess the ability to integrate their professional accounting knowledge with leadership skills, effective communication skills, ethical awareness, and strategic thinking so they can become leaders in the business where they work and in the communities where they live. Graduates will demonstrate they have met the MBA program learning goals to wit: a. Exhibit disciplinary knowledge and behavior essential for business leadership; b. Think critically to aid decision-making; c. Communicate professionally; d. Commit to action that demonstrates care for others.

Admission

1. **Eligibility for Admission:** Applicants for admission to the MAC program must have a baccalaureate undergraduate degree in accounting from an accredited institution of higher education or an undergraduate degree in business from an accredited institution and the equivalent of ACC 313 External Financial Reporting Issues, ACC 315 Managerial Accounting for Decision Making, ACC 343 Principles of Taxation, ACC 423 Auditing, and ACC 377 Accounting Information Systems.
2. **Application:** A completed application form, personal essay discussing how a master's degree fits with an applicant's career objectives upon completion of the program, current resume, and a non-refundable application fee are required.
3. **Recommendations:** Two recommendations are required. The recommendations should be completed by persons other than family members who are capable of assessing an applicant's performance in an academic or work setting.
4. **Transcripts:** One official transcript must be sent from each institution of collegiate rank attended by the applicant. Transcripts should be sent directly from the collegiate institution to the Enrollment Services, Harper Center, 2500 California Plaza, Omaha, NE 68178. All such transcripts become the property of Creighton University.
5. **A Minimum Admission Score¹:** The GMAT is required for admission. All applicants must have a minimum score of 1100 (computed by multiplying the student's undergraduate GPA by 200 and adding the student's GMAT score). The GMAT is administered by the Pearson VUE. Further information about the GMAT may be obtained at MBA.com.
6. **Additional Documents for International Students:**
 - a. **Test of English as a Foreign Language (TOEFL):** The Graduate School requires all students from countries in which English is not the native language to demonstrate competence in English

by a 90 on the Internet-based Test (iBT) at the graduate level. International applicants who received their baccalaureate degree from an accredited institution in the U.S., United Kingdom, Canada (excluding French Quebec), Australia, New Zealand, or Africa (English speaking only) are not required to submit a TOEFL score report. The IELTS may be substituted for the TOEFL provided an applicant's overall band score is at least 6.5 with no subscore below 6.

b. International Credential Evaluation for CPA Examination and/or Licensure: International students must request an "International Credential Evaluation for CPA Examination and/or Licensure" from the National Association of State Boards of Accountancy. Students may apply for the evaluation by visiting; <https://nasba.org/international/>.

7. **Financial Ability:** All international applicants must provide a "Certification of Available Finances" form in order for the I-20 form to be issued by the Office of International Programs if an applicant is admitted to the program.

Acceptance to the MAC program is granted to applicants who clearly demonstrate that they have high promise of succeeding in graduate business study. Interviews are not required as part of the admission process.

¹ GMAT Exemption Practices

1. **GRE Performance:** Applicants who have already taken the GRE may substitute their GRE performance for their GMAT score. The applicant's verbal GRE score must be at least 153 and the quantitative score must be at least 144. The applicant must also be above the 20th percentile in both categories.
2. **Graduate Degrees:** Applicants may be exempt from taking the GMAT if they have earned a professional graduate degree, such as a J.D. Applicants with other graduate degrees may also be exempt from taking the GMAT.
3. **Professional Experience:** Applicants with at least three years of professional accounting experience may be exempt from taking the GMAT.
4. **Professional Accounting Certification:** Applicants having already successfully completed a professional accounting certification program (such as CPA, CMA, CIA, or CISA) may be exempt from taking the GMAT.
5. **Creighton accounting and/or finance business graduates:** Applicants who have earned a BSBA degree from Creighton University Heider College of Business in the last 10 years in finance, accounting, or both with at least a 3.50 overall GPA plus at least a 3.50 GPA in all accounting, finance, and statistics courses taken may be exempt from taking the GMAT.
6. **Creighton non-accounting and non-finance business graduates:** Applicants who have earned a BSBA degree from Creighton University Heider College of Business in the last 10 years in a field other than accounting or finance with at least a 3.50 overall GPA plus at least a 3.75 GPA in all accounting, finance, and statistics courses taken may be exempt from taking the GMAT.

Degree in Master of Accounting

- Master of Accounting (p. 47)

Courses

ACC 516. Special Managerial Accounting Issues. 3 credits. SU

The course covers advanced managerial accounting topics, such as capital budgeting, management control systems, and activity-based costing and activity-based management. It deals with the need to adapt traditional management accounting methods as changes take place in the new business environment. The sources of change include the continued movement away from manufacturing and into the service industry, the globalization of business, information technology, and the need for more nonfinancial measures of evaluation. P: ACC 315; Jr. stdg.

ACC 521. Advanced Accounting. 3 credits. SP

The course involves the study and application of financial reporting concepts to specialized accounting problems and cases, including accounting for business combinations, consolidated financial statements, nonprofit entities, and entities operating in the international environment. The course also includes the in-depth study of specific corporate financial accounting standards and practices related to accounting for income taxes, and accounting changes. The means of analyzing and interpreting accounting data is also emphasized in the course. P: ACC 315, ACC 319; Sr. stdg.

ACC 523. Advanced Auditing. 3 credits. SP

This course embeds the advanced study of auditing in an experiential professional context through case analysis, simulations, professional standards, and practitioner involvement. Emphasis is placed on the development of employment-ready competencies such as critical thinking, professional judgment, professional skepticism, oral and written communication, ethical reasoning, and leadership and team building. Broad exposure to the professional accounting/auditing literature assists students in reflecting on course technical content and in preparing for professional certification examinations. P: ACC 423.

ACC 538. International Accounting. 3 credits. SP, SU

An overview of accounting issues faced by multi-national firms. The course will focus on the challenges accountants and managers face when organizations produce, market or provide services in foreign cultures. P: ACC 202; Jr. stdg.

ACC 544. Advanced Taxation. 3 credits. FA

An advanced consideration of federal taxation concepts relating to corporations, partnerships, estates and trusts, as well as consideration of wealth transfer taxes. Emphasis is on recognition of fact patterns producing taxable events and on planning to minimize taxes. P: ACC 343; Jr. stdg.

ACC 579. Seminar in Accounting. 3 credits. OD, SP

Exploration and analysis of selected problems and issues in the accounting area of today's environment. Course content changes from semester to semester. This course is repeatable as long as topic differs (12 credits). P: ACC 201, 202; Sr. stdg.

MAC 725. Internal Auditing: Assurance and Consulting Services. 3 credits.

Study of Internal Auditing Concepts and Compliance Issues. P: Acceptance into the MAC program or permission of the Program Coordinator.

MAC 727. Corporate Governance. 3 credits.

This course offers participants an opportunity to gain knowledge and skills necessary to comprehend the landscape of corporate governance (CG) with a view to 1) understand implication of CG on the accounting professionals and/or business executives in various roles, and 2) interpret the role of CG organization-wide and facilitate its effectiveness in the organization of one's involvement. The insights from this course should lead one to review and improve corporate governance structure and processes, while developing techniques to assess risk management activities at the core of the CG. The seminar will help accounting professionals and other executives in business, non-profit or governmental entities to grasp the big picture – from top down – essential to the health and destiny of such entities. Students will obtain an understanding of legal and regulatory guidelines as they pertain to corporate governance and discuss in-depth issues such as shareholder activism, internal controls and auditing, compensation issues, corporate fraud, business ethics, transparency and disclosure, and enterprise risk management. P: Acceptance into MAC program or permission of the Program Director.

MAC 729. Current Issues in Managerial Accounting. 3 credits.

This class will focus on current issues in managerial accounting. Coverage includes activity-based costing and the balanced scorecard. Students will learn about both concepts from a conceptual standpoint, but will also learn how to use these two managerial accounting tools in a nuts-and-bolts setting. The course will also cover several managerial accounting topics that are currently being discussed in the managerial accounting literature. P: ACC 315 (or the equivalent) and enrolled in a Creighton graduate program.

MAC 731. Historical Development of and Current Issues in the Accountancy Profession. 3 credits.

Study of the Development of the Accountancy Profession and Current Issues facing the profession. P: Acceptance into the Master of Accountancy program or permission of Program Coordinator.

MAC 735. Research Appreciation. 1 credit.

This seminar will utilize the accounting and auditing literature in helping students gain an appreciation for the role that research has played in supporting and leading the accounting profession. Students also will be exposed to the disciplined methods of scientific inquiry thereby sharpening their capacity to think critically about the validity and usefulness of research findings. P: Acceptance into the Master of Accountancy program or permission of Program Coordinator.

MAC 736. Technology for the Professional Accountant. 1 credit.

This course is intended to provide relevant, practical, and hands-on experience in tools and technologies that professional accountants apply in their field of work. Both current and emerging applications technology will be covered at the level of conceptual foundations and practical applications within the context of the role of an accountant. P: Acceptance into Master of Accountancy program or permission of Program Coordinator.

MAC 737. Accounting Ethics and Codes of Professional Conduct. 1 credit.

Study of Codes of Professional Conduct that apply to various professional activities of accountants in both public and private practice. P: Acceptance into the Master of Accountancy program or permission of Program Coordinator.

MAC 766. Graduate Internship. 1-3 credits.

This course is intended to provide graduate-level credit for significant program-related practical experience. The student's internship employment must be arranged before registration for the course will be allowed. The course is graded Satisfactory/Unsatisfactory. A maximum of 3 hours of internship credit may be used to satisfy graduation requirements for the MAC or another graduate business program. P: IC and approval of the MAC Program Director.

MAC 795. Independent Study & Research. 1-3 credits.

Advanced study and research in accounting subjects not ordinarily covered by regularly scheduled courses. P: Approval of the Masters of Accounting Coordinator and the Accounting Department Chair.

Master of Accounting

Master of Accounting requirements (M.A.C.): 33 Credits

Required Graduate Business Courses

| | | |
|---------|----------------------------------------------------------------------------|---|
| MBA 771 | Leadership and Organizational Behavior | 3 |
| MBA 775 | Business Policy And Managerial Action | 3 |
| MBA 776 | Business, Ethics and Society | 3 |
| MAC 731 | Historical Development of and Current Issues in the Accountancy Profession | 3 |

Required Accounting Discipline-Based Courses

| | | |
|---------|-----------------------------------------------------|---|
| MAC 735 | Research Appreciation | 1 |
| MAC 736 | Technology for the Professional Accountant | 1 |
| MAC 737 | Accounting Ethics and Codes of Professional Conduct | 1 |

Accounting Discipline-Based Electives¹

Select 12 credits from the following list of approved accounting electives. 12

| | | |
|---------|------------------------------------------------------------------------|--|
| ACC 516 | Special Managerial Accounting Issues | |
| ACC 521 | Advanced Accounting | |
| ACC 523 | Advanced Auditing | |
| ACC 538 | International Accounting | |
| ACC 544 | Advanced Taxation | |
| ACC 579 | Seminar in Accounting | |
| MBA 739 | Tax Theory and Business Decisions | |
| MBA 717 | Accounting Seminar: Special Managerial and Financial Accounting Issues | |
| MAC 725 | Internal Auditing: Assurance and Consulting Services | |
| MAC 727 | Corporate Governance | |
| MAC 729 | Current Issues in Managerial Accounting | |
| MAC 795 | Independent Study & Research | |
| MAC 766 | Graduate Internship | |
| MIM 730 | Financial Statement Analysis I | |

Non-Accounting Electives

Select 6 credits from the following list of approved non-accounting electives. 6

| | | |
|-------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|--|
| Other courses may be approved by the MAC Program Coordinator in consultation with the MAC student and the Department Chair of Accounting. | | |
| MBA 715 | Investment Value and Theory | |
| MBA 742 | Seminar in Applied Managerial Economics | |

| | |
|---------|------------------------------------|
| MBA 759 | Seminar in Applied Economics |
| MBA 761 | Marketing Management |
| MBA 770 | International Business Operations |
| BIA 736 | Managing Information Resources |
| BIA 770 | Cybersecurity |
| BIA 787 | Business Process Management |
| MIM 722 | Fixed Income and Derivatives I |
| MIM 732 | Economics of Investment Management |
| MIM 734 | Equity Analysis |
| MIM 738 | Advanced Financial Analysis |
| MBA 779 | Seminar in Management |
| MBA 795 | Independent Study And Research |

Total Credits 33

¹ No more than three 500-level courses may be taken for graduate credit and counted as part of the 33-hour MAC degree. A grade of "B" or better is needed in order to count the 500-level course for graduate credit toward the MAC degree. Each 500-level course taken for graduate credit requires a *significant* additional graduate-level work product (papers, case presentations, planning projects, etc.) that is *not* required of undergraduate students in the course.

An *individualized* program of study will be developed and approved by the Master of Accounting Program Coordinator in consultation with the student. The program will be designed in a manner that fulfills the educational goals of the student. This plan of study can be created so that the applicant meets the requirements to sit for the CPA exam in any state having the 150-hour requirement. Depending on the student's academic background and the academic coverage requirements of the state in which the students plans to sit for the CPA exam, it is possible that the student will have to complete more than the 33 hours required for the MAC degree to qualify for the CPA exam in the state desired. A plan of study can also be created for students interested in some other professional accounting designation (such as CIA, CMA, or CISA).

Each student will, in addition to completing the required course work, also engage in two required co-curricular activities while in the program. The two broad areas of co-curricular activities are professional and service participation.

As part of the MAC program, a student must include an activity that involved the active participation in a student or community business organization or activity (e.g., the Creighton Beta Alpha Psi chapter, the Creighton leadership program, the Omaha Chapter of the Institute of Internal Auditors). Part of this requirement includes a written reflective piece that will be submitted to the MAC Program Coordinator.

The second co-curricular requirement is that each MAC student must complete at least one service project (such as a CCSJ-sponsored service trip, participation in VITA, a service learning component in a course, etc.) that contains a significant reflective component.

A student's approved written plan of study will include the required classes in that student's individualized program and the two co-curricular activities that the student intends to complete. Students may not earn the MAC if they have not completed the required classes in their written plan of study and the two co-curricular activities. Any proposed changes to a student's approved plan of study must be made in writing and be

approved by the MAC Program Coordinator in consultation with the student and the Department Chair of Accounting.

Biomedical Sciences

Program Director: Philip R. Brauer
Department Office: Criss II, Room 313

<http://medschool.creighton.edu/medicine/departments/biomedicalsciences/index.php>

Graduate Study in Biomedical Sciences

The Department of Biomedical Sciences offers programs of study culminating in the Ph.D. and M.S. degrees. Completion of the programs prepares individuals for research careers in academia, institutes, or industry. The programs are flexible and employ a multi-disciplinary approach using our research, courses, and facilities to cater to the career needs and research interests of the individual student, in diverse areas of study in:

- Biochemistry and Bioorganic Chemistry
- Bone Biology
- Cancer Biology
- Cell and Developmental Biology
- Molecular Biology and Gene Regulation
- Neurobiology and Neurodegenerative Diseases
- Physiology
- Pulmonary and Vascular Biology
- Hearing and Hearing Disorders

The Department encourages collaborative research interaction with faculty in the Departments of Biology, Chemistry, Medical Microbiology and Immunology, Medicine, Pharmacology, Physics, Surgery, the Osteoporosis Research Center, the Boys Town National Research Hospital, and the Veteran's Administration Hospital.

Students are trained mainly through participation in research, thus emphasis is given to placement of students in research laboratories early in their program. A faculty advisory committee will determine the elective courses most appropriate and that best meet the individual's training.

Mission Statement

The mission of the Department of Biomedical Sciences graduate programs is to provide excellent academic programs that educate and train the next generation of scientists, educators, and health-related professionals through scholarship and research that fosters creativity, discovery, and community service.

Program Goals

At the completion of this graduate program in Biomedical Sciences, students will:

1. Demonstrate advanced knowledge in molecular and cellular biology and in their field of specialization.
2. Demonstrate independent critical and analytical thinking, both within their field of study and beyond, for use in the service to others.
3. Identify and suggest possible solutions to ethical dilemmas that occur in their work and field of study, and understand the importance of professional ethics in all aspects of scientific communication and laboratory work.

4. Demonstrate competence in the laboratory, including application of the scientific method and appropriate use of basic and state of the art laboratory tools and techniques.
5. Demonstrate written and oral skills necessary for communication of research, knowledge, and ideas to scientists and non-scientists.

Admission Requirements

1. A bachelor's degree or equivalent, preferably with satisfactory completion of course work in a biological, chemical or physical science.
2. A GPA of 3.0 overall.
3. GRE scores in the 50th percentile or above for the verbal and quantitative parts of the examination.
4. The Graduate School requires all students from countries in which English is not the native language to demonstrate competence in English. A minimal score of 90 on the Internet-based Test (iBT) at the graduate level is required for this program.

The deadline for applications to the doctoral program is January 15th for admission in the fall semester. The deadline for applications to the masters program is May 1 for admission in the fall semester.

Biomedical Sciences Degree Programs

- Master of Science (M.S.) (p. 50)
- Doctor of Philosophy (Ph.D.) (p. 50)

Courses

BMS 503. Microscopic Anatomy. 4 credits.

This course provides a comprehensive examination of the light microscopic anatomy and ultrastructure of cells, tissues, and organs. A combination of lectures, discussions, and laboratories is employed with a major focus on a laboratory experience using the light microscope. P: IC.

BMS 511. Medical Bioinformatics and Functional Genomics. 3 credits. FA

This course covers functional aspects of eukaryotic cells including gene regulation/expression, signal transduction, and cell-cell interactions. The course will be geared towards answering specific biological questions ranging from detailed analysis of a single gene through whole-genome analysis, transcriptional profiling, and functional genomics. P: IC.

BMS 521. Principles of Biochemistry. 4 credits. SP

This course examines the fundamental principles of structural biochemistry, enzymology, metabolism and molecular biology. P: CHM 323 or Gr. Stdg. only with IC.

BMS 601. Human Physiology. 4 credits. SP

This course examines basic concepts of cellular physiology and organ system physiology of the nervous, endocrine, reproductive, muscle, cardiovascular, respiratory, gastrointestinal, and renal systems, as well as multisystem integration. P: Gr. Stdg. or IC.

BMS 602. Human Gross Anatomy. 6 credits. FA (Same as CAN 602)

Detailed structure of the human body. Dissection of the cadaver combined with conferences, lectures, and assigned readings. P: IC.

BMS 603. Microscopic Anatomy. 4 credits. FA

This course provides a comprehensive examination of the light microscopic anatomy and ultrastructure of cells, tissues, and organs. A combination of lectures, discussions, and laboratories is employed with a major focus on a laboratory experience using the light microscope. P: Gr. stdg. or IC.

BMS 604. Fundamentals Of Cell And Molecular Biology. 6 credits. FA

This course consists of lectures on the functional aspects of cell and molecular biology with an emphasis on eukaryotic cells. P: IC.

BMS 605. Fundamentals of Genetics and Molecular and Cellular Pathology. 2 credits. FA

This course is an introduction to fundamentals in patterns of inheritance, genetic diseases, cytogenetics, cell injury, and neoplasia. Topics will include Mendelian genetics and genetic diseases, cytogenomics, use of online genomic databases, wound healing, and molecular basis of neoplasia as well as basic principles of pathology. P: Gr. Stdg. or IC.

BMS 606. Proteins: Structure-Function Relationships. 4 credits. SP

Topics covered include primary structure, principles of secondary and tertiary structures, enzyme kinetics, chemical modifications and their effects, protein-protein interactions, protein complementation and prediction of conformation. Presentation and model building by students are integral parts of this course. P: Gr. Stdg. or IC.

BMS 610. Bone Biology Fundamentals. 3 credits. AY, SP

This course examines fundamental aspects of skeletal biology, including the microscopic anatomy and ultrastructure of bone, morphogenesis and embryologic development of the skeletal system, bone modeling and remodeling, biomechanics of bone, skeletal physiology, mineral homeostasis, and clinical evaluation of bone and mineral disorders. P: IC.

BMS 611. Medical Bioinformatics and Functional Genomics. 3 credits. FA

This course covers functional aspects of eukaryotic cells including gene regulation/expression, signal transduction, and cell-cell interactions. The course will be geared towards answering specific biological questions ranging from detailed analysis of a single gene through whole-genome analysis, transcriptional profiling, and functional genomics. P: IC.

BMS 621. Teaching Practicum In Gross Anatomy. 1-3 credits. FA

This course provides practical experience in teaching human gross anatomy. P: IC.

BMS 624. Human Neuroanatomy. 4 credits. SP

This course covers fundamental concepts in neuroscience, including functional neuroanatomy, neurophysiology, and neuroembryology.

BMS 630. Fundamentals of Hearing. 3 credits. FA, SP, SU

This is an advanced graduate level course focusing on the anatomy and physiology of the auditory system. The course will introduce students to the basics of normal human hearing with a focus on the peripheral auditory system, neural coding of sound, and the perception of simple sounds. P: Gr. Stdg. or IC.

BMS 667. Developmental Biology. 3 credits. FA

This course covers cellular and molecular events underlying animal development and cell differentiation in vertebrate and invertebrate organisms. Topics will include the early body plan, cell determination and diversity, organogenesis, morphogenesis, and stem cells, and includes vertebrate (mouse, chick, frog, fish, human) and invertebrate (fly, worm) models. P: Gr. Stdg. or IC.

BMS 705. Advanced Neuroscience. 3 credits. AY, FA

This course consists of detailed examination of the physiology, cell biology, and molecular biology of the nervous system, with emphasis on mammalian systems. The course will include membrane physiology, ion channels, synaptic physiology, neurotransmitters and receptors, sensory receptors, neural circuits, and advanced techniques. P: IC.

BMS 706. Advanced Cell and Molecular Biology. 4 credits.

Detailed consideration of the functional aspects of cell and molecular biology with emphasis on eukaryotic cells. Topics include structure, and synthesis of DNA and RNA, gene expression regulation, signal transduction, transport and processing of secretory proteins, and relevance of these topics in eukaryotic differentiation and pathologies such as cancer.

BMS 720. Advanced Topics in Molecular Structure/Function. 3 credits. FA, SP, SU

This course covers functional aspects of molecular structure, peptide chemistry, and molecular interactions. Topics vary will change with each iteration of the course permitting students to repeatedly enroll in the course but with each covering a different topic. Nine credit hours are the maximal applicable toward the degree. P: IC.

BMS 730. Advanced Topics in Cell and Molecular Biology. 3 credits. FA, SP, SU

This course covers functional aspects of eukaryotic cells including gene regulation/expression, signal transduction, and cell-cell and cell-substrate interactions. Topics vary will change with each iteration of the course permitting students to repeatedly enroll in the course but with each covering a different topic. Nine credit hours are the maximal applicable toward the degree. P: IC.

BMS 740. Advanced Topics in Physiology. 3 credits. FA, SP, SU

This course covers specific aspects of physiology and pathophysiology of whole organisms and organ systems as well as cellular physiology. Topics vary will change with each iteration of the course permitting students to repeatedly enroll in the course but with each covering a different topic. Nine credit hours are the maximal applicable toward the degree. P: IC.

BMS 747. Cellular and Molecular Mechanisms of Transmembrane Signaling. 3 credits. FA, SP, SU

Detailed analysis of how an external signal is transduced into a cell language resulting in a response. Intracellular pathways involved in signal transduction will be examined. Discussions on various cell proteins and cross-talk among intracellular signal transduction pathways. P: IC.

BMS 750. Advanced Topics in Morphology and Anatomy. 3 credits. FA, SP, SU

This course covers functional morphology ranging from cellular ultrastructure to gross anatomy and embryology. Topics vary will change with each iteration of the course permitting students to repeatedly enroll in the course but with each covering a different topic. Nine credit hours are the maximal applicable toward the degree. P: IC.

BMS 760. Advance Topics in Neuroscience. 3 credits. FA, SP, SU

This course integrates the areas of neuroanatomy, neurophysiology, neuropharmacology, and neuropathology at the cellular and organismal level. Topics vary with each iteration of the course permitting students to repeatedly enroll for the course but with each covering a different topic. Nine credit hours are the maximum applicable toward the degree. P: IC.

BMS 790. Research Methods. 3-5 credits. FA, SP

This course consists of methods and techniques used in on-going research projects. P: IC.

BMS 791. Seminar. 1 credit. FA, SP

This course consists of formal oral presentations and critical discussions of assigned subjects to familiarize students with the nature and extent of research literature, the analysis of research papers, and the collation and presentation of scientific information. This course is repeatable. P:IC.

BMS 792. Journal Club. 1 credit. FA, SP, SU

This course consists of detailed examination of the physiology, cell biology, and molecular biology of the nervous system, with emphasis on mammalian systems. The course will include membrane physiology, ion channels, synaptic physiology, neurotransmitters and receptors, sensory receptors, neural circuits, and advanced techniques. P: IC.

BMS 795. Directed Independent Study. 2 credits. FA, SP, SU

Each student, supervised by faculty members, will pursue in-depth reading and discussions on current research topics of interest to faculty and students. The purpose is to provide an environment whereby the student is introduced to scientific research methods and can improve critical thinking and reading skills as well as exchanging scientific information. P: IC.

BMS 797. Directed Independent Research. 3-6 credits. FA, SP, SU

This course consists of original investigation under supervision and guidance of individual staff members. P: IC.

BMS 799. Master's Thesis. 1-3 credits. FA, SP, SU

This course consists of review of the literature and research data; writing of the thesis. Students must register for this course in any term when engaged in formal preparation of the Master's thesis; however, six credit hours are the maximum applicable toward the degree. P: IC.

BMS 899. Doctoral Dissertation. 3-6 credits. FA, SP, SU

This course consists of review of the literature and research data and the writing of the dissertation. Students must register for this course in any term when engaged in formal preparation of the doctoral dissertation; however, twenty credit hours are the maximum applicable toward the degree. P: IC.

Doctor of Philosophy (Ph.D.), Biomedical Sciences

Doctor of Philosophy (Ph.D.), Biomedical Sciences (90 credits)

The student will select a major advisor and the student and his/her major advisor along with an advisory committee will formulate a plan of study. The advisory committee will assist the student during the entire program.

| | | |
|---------|------------------------------------------------------------------------|---|
| BMS 604 | Fundamentals Of Cell And Molecular Biology | 6 |
| IDC 601 | Responsible Conduct of Research | 1 |
| CTS 601 | Biostatistics and Analysis of Clinical Data Evidence-based Practice | 3 |

Selectives

Select 9 credits from the following: 9

| | | |
|---------|------------------------------------------------------------------|--|
| BMS 601 | Human Physiology | |
| BMS 602 | Human Gross Anatomy | |
| BMS 603 | Microscopic Anatomy | |
| BMS 605 | Fundamentals of Genetics and Molecular and Cellular Pathology | |
| BMS 606 | Proteins: Structure-Function Relationships | |
| BMS 611 | Medical Bioinformatics and Functional Genomics | |
| BMS 624 | Human Neuroanatomy | |
| BMS 667 | Developmental Biology | |
| BMS 705 | Advanced Neuroscience | |
| BMS 706 | Advanced Cell and Molecular Biology | |
| BMS 747 | Cellular and Molecular Mechanisms of Transmembrane Signaling | |

| | | |
|-----------------------------------------------------------------------|-------------------------------------|-----------|
| IDC 662 | Introduction to Neurobiology | |
| CAN 630 | Human Neuroanatomy | |
| MIC 740 | Host Defense | |
| PHR 711 | Receptor and Molecular Pharmacology | |
| Electives: Select credits needed to reach total degree credits of 90. | | 16 |
| BMS 791 | Seminar (every semester) | 8 |
| BMS 792 | Journal Club (every semester) | 8 |
| BMS 797 | Directed Independent Research | 36 |
| BMS 899 | Doctoral Dissertation ¹ | 3 |
| Total Credits | | 90 |

¹ *Comprehensive Examinations*

Doctoral students are required to pass comprehensive and qualifying examinations according to the guidelines of the Graduate School.

Dissertation

Ph.D. candidates must present and defend a dissertation. The defense is open to the public, but only the examining committee may participate directly in the examination. Copies of the dissertation must be presented to the advisory committee and the Graduate Dean at least 30 days prior to the defense.

Master of Science, Major in Biomedical Sciences

The student will select a major advisor, and the student and his/her major advisor, along with an advisory committee will formulate a plan of study. The advisory committee will assist the student during the entire program.

M.S., Major in Biomedical Sciences requirements: 30 credits

| | | |
|---------|--------------------------------------------|---|
| BMS 604 | Fundamentals Of Cell And Molecular Biology | 6 |
| IDC 601 | Responsible Conduct of Research | 1 |

Selectives

Select 6 credits from the following: 6

| | | |
|---------|------------------------------------------------------------------------|--|
| BMS 521 | Principles of Biochemistry (must have grade of 'B' or better) | |
| BMS 611 | Medical Bioinformatics and Functional Genomics | |
| BMS 601 | Human Physiology | |
| BMS 603 | Microscopic Anatomy | |
| BMS 605 | Fundamentals of Genetics and Molecular and Cellular Pathology | |
| BMS 606 | Proteins: Structure-Function Relationships | |
| BMS 624 | Human Neuroanatomy | |
| BMS 667 | Developmental Biology | |
| BMS 705 | Advanced Neuroscience | |
| BMS 706 | Advanced Cell and Molecular Biology | |
| BMS 747 | Cellular and Molecular Mechanisms of Transmembrane Signaling | |
| CTS 601 | Biostatistics and Analysis of Clinical Data Evidence-based Practice | |
| IDC 662 | Introduction to Neurobiology | |
| CAN 630 | Human Neuroanatomy | |
| MIC 740 | Host Defense | |
| PHR 711 | Receptor and Molecular Pharmacology | |

Electives: Select electives to reach the required 30 credits for degree. 2

| | | |
|---------------|-------------------------------|----|
| BMS 791 | Seminar (every semester) | 4 |
| BMS 792 | Journal Club (every semester) | 4 |
| BMS 797 | Directed Independent Research | 6 |
| BMS 799 | Master's Thesis ¹ | 1 |
| Total Credits | | 30 |

¹ *Thesis/Dissertation*

M.S. candidates must present and defend a thesis. The defense is open to the public, but only the examining committee may participate directly in the examination. Copies of the thesis must be presented to their advisory committee and the Graduate Dean at least 30 days prior to the defense.

Doctor of Business Administration

DBA Faculty Director: Dr. Anne York

DBA Program Director: Desarae Mueller-Fichepain

Program Office: Harper Center

The Creighton DBA program is designed primarily for individuals seeking a full-time tenure track faculty position at an accredited teaching college or university, as well as those seeking a more analytical, applied research approach to business.

Students in the three-year cohort-styled program can continue working full-time in their existing jobs while completing their degree. The hybrid model combines online learning with weekend residencies three times a semester for the first two years. It offers content breadth across disciplines, with students specializing through their dissertation article research teaching mentorships and first-hand teaching experience.

Program Goals

1. Graduates will demonstrate knowledge of current theory in business disciplines as applied to global business practice.
2. Graduates will be able to demonstrate knowledge of and the ability to employ innovative teaching design and methods.
3. Graduates will be able to employ critical thinking skills to design and execute publishable, applied discipline-based empirical research.
4. Graduates will understand and be able to apply Ignatian values to applied business research, practice and teaching, as well as to their own lives and careers.
5. Graduates will respectfully and effectively communicate information through all modes of expression.
6. Graduates will employ deliberative reflection skills to assist in the formation of their futures.
7. Graduates will demonstrate an ability to work effectively and in solidarity across the distinctions of human diversity.

Admission

1. **Eligibility for Admission:** Applicants for admission to the DBA program must have at least one of the following: 1) a master's degree in business from an accredited university; 2) a graduate/terminal degree in another discipline; 3) undergraduate business degree from an accredited university plus 5 or more years business experience; 4) CPA certification plus 5 or more years business experience. Additionally, the following documents must be submitted through Creighton's online application portal <https://choose.creighton.edu/apply/?sr=aac60961-4b62-4c2f-9e9b-b1521e9f2681>.

a. **Current Résumé.**

b. **Transcripts:** Official transcripts from each college or university attended, including undergraduate. Transcripts should be submitted. All such transcripts become the property of Creighton University.

c. **Recommendations:** Two (2) professional letters of recommendation that directly address fit with the goals and outcomes of this program.

d. **Objectives:** A clear statement of the applicant's objectives for joining the program, as well as career goals upon completion of the degree.

e. **Writing Competency:** Evidence of writing competency, which can be fulfilled by submitting an official GMAT¹ with AWA score or a writing sample completed in a proctored writing environment set up by the DBA program director prior to admission.

f. **Additional Competencies:** Evidence of competency in statistics, accounting, finance and microeconomics through course transcripts, tutorial completion, CPA certification, and/or competency exam results.

g. **Photo Identification.**

2. **International applicants with permanent U.S. residency must also submit:** (NOTE: Students with F-1 visa status are NOT eligible for Creighton's DBA Program.)

a. **Test of English as a Foreign Language (TOEFL):** Official TOEFL score report with a minimum acceptable score of 577 paper-based/90 iBT.

b. **Transcripts:** Official transcripts in the original language from each college or university attended, along with official English translations.

c. **Interview:** Applicants must complete either a virtual or in-person interview with one or more of the admissions committee members.

d. For a student who has completed an undergraduate degree in the U.S.; or from a foreign institution in which English is the language of instruction; or based on a personal interview, the TOEFL requirement may be waived. This is at the discretion of the DBA directors.

3. **Admission Process and Deadlines:** The application deadline (including a completed dossier) is April 1 of each year; however, please keep in mind that admittance to the program is limited and applications will be accepted on a rolling basis, so cohorts may fill up long before the April 1 deadline of that year.

a. **Applications:** Applications are accepted via Creighton's online registration portal only. A link to the portal (Apply Now) can be found on the DBA site <https://www.creighton.edu/program/Doctorate-Business-Administration-DBA> in the top right column.

b. **Selection Process:** The DBA faculty director will convene, either in person or virtually, admissions committee members to review completed applications. Members of the committee will vote on each applicant, with ties broken by the DBA faculty director.

c. **Exceptions:** Admission exceptions will initially be handled by the DBA Admissions Committee but will also be forwarded to the Creighton Graduate Programs Board for guidance.

4. **Deposit:** Once accepted to the program, a student must submit a \$5,000 non-refundable deposit within 14 days to secure admittance to the cohort. If the deposit is not received within 14 days, the student's place in the program could be forfeited. Admittance to

the program is limited and applications will be accepted on a rolling basis.

¹ GMAT Exemption Practices

1. GRE Performance: Applicants who have already taken the GRE may substitute their GRE performance for their GMAT score. The applicant's verbal GRE score must be at least 153 and the quantitative score must be at least 144. The applicant must also be above the 20th percentile in both categories.
2. Professional Graduate Degrees: Applicants may be exempt from taking the GMAT if they have earned a professional graduate degree. Examples of such degrees include: J.D., M.D., Ph.D., D.D.S., Ed.D., and Pharm.D.
3. Professional certifications: Applicants who have earned CPA certification or CFA certification (have passed at least Level 1) may be exempted from taking the GMAT.
4. Creighton business graduates: Applicants who have earned a BSBA degree from Creighton University College of Professional Studies in the last 10 years with at least a 3.5 overall GPA plus at least a 3.75 GPA in all accounting, finance, and statistics courses taken may be exempted from taking the GMAT.

Doctor of Business Administration Program

A master's degree is required for admission; students entering without graduate or undergraduate core business content courses or equivalent work experience may be required to demonstrate general understanding of the topics by passing Creighton's relevant on-line MBA core courses.

- Doctor of Business Administration (p. 52)

Doctor of Business Administration Doctor of Business Administration (54 credits)

Ignatian Reflection and Formation Core

| | | |
|---------|-----------------------------------|---|
| DBA 800 | Ignatian Reflection and Formation | 6 |
|---------|-----------------------------------|---|

Applied Business Research Content Core

| | | |
|---------|-----------------------------------------------------|---|
| DBA 801 | Applied Organization Behavior and Strategy Research | 3 |
| DBA 802 | Applied Marketing Research | 3 |
| DBA 803 | Applied Economics/Finance Research | 3 |
| DBA 804 | Applied Accounting Research | 3 |
| DBA 805 | Applied IT/Operations/Business Analytics Research | 3 |

Innovative Business Pedagogy

| | | |
|---------|----------------------------------------|---|
| DBA 810 | Survey of Innovative Business Pedagogy | 3 |
| DBA 811 | Innovative Pedagogical Mentorship | 3 |
| DBA 812 | Innovative Pedagogical Practicum | 3 |

Research and Dissertation

| | | |
|---------|---------------------------------------------------|---|
| DBA 820 | Applied Research Design and Methods Survey | 3 |
| DBA 821 | Regression and Correlation Analysis | 3 |
| DBA 822 | Quantitative Research Design and Methods | 3 |
| DBA 830 | Applied Research Mentorship | 3 |
| DBA 831 | Applied Dissertation Research Development Seminar | 3 |

| | | |
|---------------|-------------------------------|----|
| DBA 899 | Applied Dissertation Research | 9 |
| Total Credits | | 54 |

Additional on-line statistics course may be required, depending on student's area of research and teaching interest and quantitative/qualitative research background.

Business Administration (MBA)

Program Director: Dr. Todd Darnold
Program Office: Harper Center

Graduate Study in Business Administration

The Creighton M.B.A. program is designed to provide a general management education that focuses on developing values-based leaders. Creighton's M.B.A. curriculum allows graduate students to customize their classes to best fit their skills, competencies, and career goals. The M.B.A. program features:

- Tailored programs of study developed for students' particular academic strengths and business experiences – designed to prepare them for their intended career path;
- Advanced courses for students with extensive business backgrounds;
- Concentrations in key business areas such as investments, business intelligence and analytics, accounting, leadership, health care management, and project management;
- Professional classes in cutting-edge business skills taught by leading business practitioners.

Program Goals

1. Exhibit knowledge essential for business leadership.
2. Communicate professionally.
3. Think critically to aid decision-making.
4. Commit to action that demonstrates care for others.
5. Exhibit personal habits consistent with leadership formation.

Admission

1. **Eligibility for Admission:** Applicants for admission to the M.B.A. program must have a baccalaureate degree, regardless of the undergraduate field of study, and an acceptable level of scholarship from an accredited institution of higher education, along with the following documents:
2. **Application:** A completed online application form, personal essay discussing how a master's degree fits in with an applicant's career plans and which aspects of Creighton's M.B.A. program are most appealing, current resume, and a non-refundable application fee.
3. **Recommendations:** Two recommendations are required. The recommendations should be completed by persons other than family members who are capable of assessing an applicant's performance in an academic or work setting.
4. **Transcripts:** One official transcript must be sent from each institution of collegiate rank attended by the applicant. Transcripts should be sent directly from the collegiate institution to Enrollment Services, Harper Center, 2500 California Plaza, Omaha, NE 68178. All such transcripts become the property of Creighton University.
5. **Graduate Management Admissions Test (GMAT)¹:** All applicants must submit an acceptable score report on the Graduate Management

Admissions Test (GMAT). The GMAT is administered by the PearsonVUE. Further information about the GMAT may be obtained at MBA.com.

6. **Test of English as a Foreign Language (TOEFL):** The Graduate School requires all students who are native speakers of languages other than English to demonstrate competence in English by a score of at least 90 on the Internet-based Test (TOEFL iBT) with Listening and Speaking sub-scores of at least 19 and Reading and Writing sub-scores of at least 21. International applicants who received their baccalaureate degree from an accredited institution in the U.S., United Kingdom, Canada (excluding French Quebec), Australia, New Zealand, or Africa (English speaking only) are not required to submit a TOEFL score report. The IELTS may be substituted for the TOEFL provided an applicant's overall band score is at least 6.5 with no subscore below 6.
7. **Financial Ability:** All international applicants must provide a "Certification of Available Finances" form in order for the I-20 form to be issued by the Office of International Programs if an applicant is admitted to the program.
8. **Statistics Requirement of the Graduate Business Programs:** Students entering a graduate business program will need to show evidence that they have completed at least one statistics course in their undergraduate degree that includes regression and correlation. Students without such a class may complete instead a non-credit statistics tutorial offered by the college for a fee.

Acceptance to the M.B.A. Program is granted to applicants who clearly demonstrate that they have high promise of succeeding in graduate business study. Interviews are not required as part of the admission process. Applicants who wish to visit the campus prior to submitting their application materials are welcome to contact the Graduate Business Programs to schedule an appointment.

¹ *GMAT Exemption Practices*

1. GRE Performance: Applicants who have already taken the GRE may substitute their GRE performance for their GMAT score. The applicant's verbal GRE score must be at least 153 and the quantitative score must be at least 144. The applicant must also be above the 20th percentile in both categories.
2. Professional Graduate Degrees: Applicants may be exempt from taking the GMAT if they have earned a professional graduate degree. Examples of such degrees include: J.D., M.D., Ph.D., D.D.S., Ed.D., and Pharm.D.
3. Professional certifications: Applicants who have earned CPA certification or CFA certification (have passed at least Level 1) may be exempted from taking the GMAT.
4. Creighton business graduates: Applicants who have earned a BSBA degree from Creighton University College of Professional Studies in the last 10 years with at least a 3.5 overall GPA plus at least a 3.75 GPA in all accounting, finance, and statistics courses taken may be exempted from taking the GMAT.

Degree Programs

- Master of Business Administration (M.B.A.) (p. 55)
- M.B.A./M.S.-BIA Dual Degree (p. 57)
- M.B.A./M.I.M.F.A. Dual Degree (p. 59)
- M.B.A./J.D. Dual Degree (p. 58)
- M.B.A./M.S.-NCR Dual Degree (p. 59)
- M.B.A./M.D. Dual Degree (<http://catalog.creighton.edu/medicine/dual-degree-programs/md-mba>)

- M.B.A./Pharm.D. Dual Degree (<http://catalog.creighton.edu/pharmacy-health-professions/other-educational-opportunities/doctor-pharmacy-master-business-administration>)

Graduate Certificates

- Certified Financial Planning (p. 60)
- Project Management (p. 60)

Courses

MBA 501. Managing Projects: The Fundamentals. 1.5 credit.

This course introduces the basic concepts of strategic leadership, project planning, and management. It will examine and consider the practical applications of strategic leadership, project planning, and project management. Students will then apply these concepts and principles in real-world scenarios. Based on the Project Management Institute's PMBok Guide 5.0, participants will apply the ten knowledge areas of projects to the five project processes: 1) defining, 2) planning, 3) executing, 4) monitoring and controlling and 5) closing. The course provides a look at a leader's role in leading projects, programs and portfolio management and the project manager's role in projects and programs. As a cross-listed 500 level course, graduate level students will be required to complete additional assessed work as part of this course.

MBA 502. Managing Projects: The Fundamentals Lab. 1.5 credit.

The lab is an experiential learning simulation for a project introducing the application of all knowledge areas as a team executes a project through all five project processes. The lab is frequently delivered on-site as non-credit. The lab provides the introduction to the concepts for the lecture/on-line courses reflective learning processes.

MBA 541. Fundamentals Of Economics Analysis. 3 credits.

Major micro- and macroeconomic principles and analysis of major economic problems and policies. Acceptable undergraduate equivalent: ECO 203 and ECO 205.

MBA 579. Seminar in Management. 3 credits.

Exploration and analysis of selected problems and issues in today's business environment. Course content changes each semester as current and sometimes controversial issues within are discussed. This course is repeatable up to nine credits. P: Prerequisites depend on course content.

MBA 701. Financial Reporting for MBAs. 3 credits.

MBA 701 focuses on the fundamentals of financial accounting and reporting from a user-based and management-preparer perspective. The primary focus of this course is understanding the fundamentals of the financial reporting model and the means by which users, including preparers, utilize financial accounting information for decision making purposes. Topics covered in the course include the financial reporting environment, fundamentals of the accounting information system, reading and understanding audited financial statements, and financial statement analysis.

MBA 702. Managerial Decision-Making Using Quantitative and Qualitative Data. 3 credits.

Provides insights into the selection and use of data, both accounting and non-accounting, to perform analysis to evaluate decision alternatives, interpret and use budgets and long-term plans, devise and use performance measures to evaluate performance and determine performance-based rewards. The decision scenarios include, but are not limited to evaluation of products and services (costs, pricing, quality), cost of quality, balanced scorecard, and ethics. P: MBA 701 or equivalent.

MBA 705. Mastering Project Management. 1.5 credit.

This builds on the knowledge and fundamentals learned in *Managing Projects: The Fundamentals*. This course features experiential learning to strengthen skills in defining, planning, executing, monitoring and controlling and closing projects in a variety of settings. More tools and methods are introduced for the ten management knowledge areas: scope, time, cost, integration, stakeholder, quality, human resources, communication, risk & procurement. More advanced topics are explored in the areas of teams and leadership, project performance management, procurement, risk management and interpersonal and soft skills for the human side of project management. Advanced study includes the use of various performance measurement systems and tracking tools to aid in scheduling and managing projects. This course is based on the PMBok 5.0, and covers the processes and knowledge areas of projects. It provides an in-depth look at project management from a leader's role in leading projects, programs and project portfolios. It includes flexible and pragmatic review of variations and overlaps in project approaches and techniques such as waterfall, agile, scrum, and Kaizen practices to provide the participant with a practical application orientation for the pros and cons of each. A practicum approach to applying the knowledge learned to business applications is a part of the applied case study approach of this course.

MBA 706. Mastering Project Management Lab. 1.5 credit.

The lab is an experiential learning simulation for applying the concepts for *Mastering Project Management*. It uses both simulation and project management software apply to all knowledge areas as a team executes a project through all five project processes. The lab is frequently delivered on-site as non-credit. The lab provides the introduction to the concepts for the lecture/on-line courses reflective learning processes.

MBA 707. Project Management Capstone - PMP Exam Prep. 3 credits.

This course reviews all aspect of project management in the five processes and ten knowledge areas aligned with the PMBOK® Guide for the PMI PMP® & CAPM® Credential exam. The Project Management Professional (PMP®) is the recognized professional certification for Project Managers. It demonstrates knowledge competence in leading, managing and directing projects, programs and portfolios. This is an exam preparation and review course.

MBA 711. Managerial Finance. 3 credits.

This course focuses on how financial managers can create value for a firm. Techniques addressed include effective employment of capital budgeting and resource allocation techniques, proper computation and use of the cost of capital, and how to deal with capital structure and dividend decisions. P: MBA 701 or equivalent and Statistics.

MBA 712. Advanced Managerial Finance. 3 credits.

An advanced study of the role of financial managers in efficiently employing a firm's capital to create value. Case analysis is used to enhance understanding of the role, responsibilities, and overall goals of the financial manager of a firm. P: MBA 711 or equivalent and Statistics.

MBA 715. Investment Value and Theory. 3 credits.

Study of advanced topics in investments, capital markets, and portfolio theory. Special emphasis on security analysis and valuation, as well as on the theory of efficient markets. P: MBA 711 or equivalent.

MBA 717. Accounting Seminar: Special Managerial and Financial Accounting Issues. 1-3 credits.

Study of advanced topics in accounting. Focus on the analytical and empirical literature in the field of accounting. Course content necessarily changes each semester; therefore, flexibility is provided by the seminar approach. This course is repeatable up to nine credits. P: MBA 701 or equivalent.

MBA 719. Finance Seminar. 0-3 credits.

Study of advanced topics in business finance. Focus on significant developments and meaningful innovations in domestic and international finance theory and practice. Course content necessarily changes each semester; therefore, flexibility is provided by the seminar approach. This course is repeatable up to nine credits. P: MBA 711 or equivalent.

MBA 739. Tax Theory and Business Decisions. 3 credits.

Effects of taxation on business organization, capital structure, policies and operation. Deals with those phases of taxation that are general executive responsibilities. P: MBA 701 or equivalent.

MBA 741. Economic Analysis for Managers. 3 credits.

A study of major micro- and macroeconomic principles, analyses of major economic problems, economic and business data. The course provides an understanding and familiarity with some basic micro and macroeconomics tools and economic policies that are used in business decision-making. P: Statistics.

MBA 742. Seminar in Applied Managerial Economics. 3 credits.

Analysis of economic information and techniques necessary in business decision-making, including the adaptation of economic concepts, principles, and research methods to the needs of business managers. Explores the relationships among inflation, short term interest rates, long term interest rates, and company value. P: MBA 741 or equivalent and Statistics.

MBA 751. Economic Fluctuations And Forecasting. 3 credits.

Analyzing and forecasting fluctuations in national income, employment, and prices; impact of economic changes on business management; application of economic analysis to the problems of interpreting and forecasting of individual firm, industry, and general business conditions. P: MBA 741 or equivalent.

MBA 759. Seminar in Applied Economics. 1-3 credits. (Same as INR 759)

Application of economic theory and analysis to selected problems and issues of local, regional, national, and international concern as these relate to business activity and the making of administrative decisions. P: MBA 741 or equivalent.

MBA 761. Marketing Management. 3 credits.

This course addresses the application of marketing concepts to real world marketing situations. An emphasis is placed on: segmenting markets and identifying profitable market opportunities, developing comprehensive marketing plans and programs for reaching target customers, and the role of leadership and championing behavior within the firm in order to gain organizational commitment for a proposed marketing program.

MBA 765. Marketing Information for Executives. 3 credits.

This course will introduce you to the survey research process in a global marketing environment. You will learn how to work with a firm to identify and define the market research problem, to design a research study, to gather existing or secondary information to clarify the problem (using the internet or other secondary sources), to design a questionnaire, develop a sampling plan, collect the data, prepare and analyze the data, and finally to interpret and report the findings in light of the original research problem. Examples will also address the unique problems encountered when collecting market information internationally. P: MBA 761 or equivalent and Statistics.

MBA 766. Graduate Internship. 1-3 credits.

This course is intended to provide graduate-level credit for significant program-related practical experience, coupled with a research component that utilizes the context of this practical experience as its primary vehicle of inquiry. Students must work a minimum of 150 hours for the sponsoring employer during the semester. In addition, the student must complete a research project related to this work, which has been planned and carried out under the direction of a graduate faculty supervisor, with the approval and cooperation of the sponsoring employer. The student's internship employment and faculty supervision for the research component must be arranged before registration for the course will be allowed. The course is graded Satisfactory/Unsatisfactory and only 3 hours of internship credit may be used to satisfy graduation requirements. P: IC and approval of the MBA Program Director.

MBA 767. Marketing Dynamics Seminar. 1-3 credits.

Marketing theory is briefly reviewed to provide background for intensive analysis of current and sometimes controversial marketing issues. Course content necessarily changes each semester; therefore, flexibility is provided by the seminar approach. P: MBA 761 or equivalent.

MBA 770. International Business Operations. 3 credits. (Same as INR 770)

Understanding the development of the international business world and the international business environment. Management of business operations across national boundaries and control of the international flow of money, personnel, information, goods, and services.

MBA 771. Leadership and Organizational Behavior. 3 credits.

This course explores the most important theories and models that explain the influence of leadership on the behaviors and attitudes of individuals, teams, and other groups. The course covers specific leadership skills such as motivating followers, recognizing individual differences, leading groups and teams, exercising power, managing conflict, improving communication, and leading change.

MBA 772. Leadership Insights from Modern Media. 3 credits.

Using a combination of resources (fiction and fact-based films, internet sources, and print) students will glean insightful perspectives on leadership by comparing media descriptions and portrayals to best accepted models and theories of leadership and related activities. P: MBA 771.

MBA 774. Management Of Environmental Risk. 3 credits.

This course examines environmental issues relevant to management decision making. Emphasis is on risk analysis related to global/regional and workplace environmental issues. P: BIA 731 or equivalent.

MBA 775. Business Policy And Managerial Action. 3 credits.

This course covers strategic management concepts and practices used by business leaders to enhance the competitive position of their companies. The course will require students to take the role of upper management and use information from all functional areas of business to develop strategic responses to business situations. P: Last semester or last six hours of enrollment in the MBA program.

MBA 776. Business, Ethics and Society. 3 credits.

This course explores the theoretical frameworks and practical approaches that business leaders can take for addressing micro, meso, and macro level ethical and social issues related to business. Specific issues covered can vary, though some global business ethics issues are always explored. Special emphasis is given throughout the course to ways that businesses can be both profitable and a positive force for economic and social justice. The course has a service learning format.

MBA 779. Seminar in Management. 0-9 credits.

Exploration and analysis of selected problems and issues in today's business environment. Course content changes each semester as current and sometimes controversial issues within are discussed. This course is repeatable up to nine credits. P: Prerequisites depend on course content.

MBA 780. The Business of Healthcare. 3 credits.

This survey course will explore critical issues related to the management of health care in a competitive and market-based environment. These issues will include; managing clinical performance, understanding a changing external environment, the foundations of high performance, managing diverse human resources, and healthcare marketing. Students will be asked to apply concepts through real-world cases and projects.

MBA 781. Legal, Ethical, and Societal Considerations in Healthcare Management. 3 credits.

This course explores the theoretical frameworks and practical approaches that healthcare leaders can take for addressing micro, meso, and macro level ethical and social issues related to healthcare management. Specific issues covered can vary, though fundamental issues of business ethics and managerial decision-making are always explored. Special emphasis is given throughout the course to ways that healthcare organizations can be both financially sustainable and a positive force for social justice.

MBA 782. Finance for the Healthcare Manager. 3 credits.

This course focuses on how managers can create value for a healthcare organization through sound financial management practices. Techniques addressed include effective employment of capital budgeting and resource allocation techniques, proper computation and use of the cost of capital, and how to deal with capital structure. Third-party payer considerations are also discussed. P: MBA 701 and Statistics.

MBA 783. Quality and Performance Improvement in Healthcare. 3 credits.

This course introduces students to the customer service and quality improvement paradigms in healthcare management. Topics include planning for service quality, developing a customer service culture, clinical practice methodologies, as well as measuring and improving quality. Students will be asked to apply concepts through real-world cases and projects. P: Statistics.

MBA 791. The Business World: A Campus and Travel Course. 3 credits.

This course is designed to provide a capstone travel experience in which graduate students make on-site visits to a variety of organizations known for their business leadership and innovative practice. The overall aim is to complement a student's campus-based study of business concepts, processes, activities, and organizations. The course typically includes approximately 15 hours of on-campus study prior to and after the travel portion of the course. The travel portion of the course may involve various destinations. P: Instructor approval; Consent of the MBA Program Director.

MBA 795. Independent Study And Research. 1-3 credits.

Advanced study and research in subjects not ordinarily covered by regularly scheduled courses. P: IC and approval of the MBA Program Director.

Master of Business Administration (M.B.A.) Program

The Master of Business Administration (M.B.A.) program consists of 33 credit hours. All students must complete three courses (9 credit hours) of Core courses: MBA 771 Leadership and Organizational Behavior, MBA 775 Business Policy And Managerial Action, and MBA 776 Business, Ethics and Society (or MBA 781 Legal, Ethical, and Societal

Considerations in Healthcare Management for students in the Healthcare Management concentration). The remaining eight courses (24 credit hours) of coursework are determined by each student's academic background, business experience, and career aspirations, but must be of sufficient curricular breadth and integrative depth that a thorough understanding of business is achieved.

Students who neither hold an undergraduate degree in business nor have extensive work experience resulting in significant expertise in a functional area(s) will be required to complete the following courses: MBA 701 Financial Reporting for MBAs, MBA 711 Managerial Finance (or MBA 782 Finance for the Healthcare Manager for students in the Healthcare Management concentration), MBA 741 Economic Analysis for Managers, MBA 761 Marketing Management, and BIA 731 Information Systems Management (or BIA 765 Information Systems and Data Analytics in Healthcare for students in the Healthcare Management concentration) as part of their 24 hours beyond the Core.

Students who hold an undergraduate degree in business will take Concentration courses rather than Functional Core courses. Students who have extensive work experience resulting in significant expertise in a given functional area(s) will take Concentration courses rather than Functional Core courses in that functional area(s). However, no more than four (12 hours) Concentration courses may be taken in a given functional area, and at least one Concentration course in three of the five functional areas of business must be taken in order to fulfill the breadth requirement. The five functional areas are accounting, business intelligence and analytics, economics, finance, and marketing. Lists of courses included in each functional area is available from the Graduate Business Programs office.

An individualized program of study will be developed and approved by the Graduate Business Programs Office in consultation with the student. The plan of study will list the required and recommended classes. Students may not earn the MBA if they have not completed the required classes in their plan of study. In certain instances a course may be waived by the MBA Program Director. When a course is waived, the student would then need to take an additional course. Decisions on waiving any requirements will be made on an individual basis by the MBA Program Director in consultation with the student.

Master of Business Administration (33 credits)

Core Courses

Three core courses are required of all MBA students - 9 credits.

| | | |
|------------|----------------------------------------------------------------------|---|
| MBA 771 | Leadership and Organizational Behavior | 3 |
| MBA 775 | Business Policy And Managerial Action | 3 |
| MBA 776 | Business, Ethics and Society | 3 |
| or MBA 781 | Legal, Ethical, and Societal Considerations in Healthcare Management | |

Functional Core

Functional core courses may or may not be required based on students' academic backgrounds and business experience.

| | | |
|------------|------------------------------------|---|
| MBA 701 | Financial Reporting for MBAs | 3 |
| MBA 711 | Managerial Finance | 3 |
| or MBA 782 | Finance for the Healthcare Manager | |
| MBA 741 | Economic Analysis for Managers | 3 |
| MBA 761 | Marketing Management | 3 |
| BIA 731 | Information Systems Management | 3 |

or BIA 765 Information Systems and Data Analytics in Healthcare

Concentration Courses

Concentration courses are available in all of the functional areas, and cover advanced topics in that area. Some multi-disciplinary courses may be cross-listed in more than one functional area, in which case the program of study will have to identify how to count the course. Students will complete up to eight (24 hours) of these courses based on their program of study.

| | |
|---------------------------------------------|-----------|
| Area of Focus or Electives of Choice | 9 |
| Total Credits | 33 |

Lists of courses included in each functional area are available from the Graduate Business Programs Office. In general, a limit of six graduate hours is allowed outside of the Heider College of Business. With approval, concentration courses could also include:

- Other 700-level MBA or BIA classes not in the functional core.
- MIM courses other than MIM 720 (or MIM 717 and MIM 718).
- 500-level courses taken for graduate credit (ACC 516 Special Managerial Accounting Issues, ACC 521 Advanced Accounting, ACC 538 International Accounting, ACC 544 Advanced Taxation, or ACC 579 Seminar in Accounting; ECO 538 International Economics; or FIN 558 International Financial Management). A grade of "B" or better is required in 500-level courses for graduate credit, and a maximum of six hours of 500-level courses may apply toward the MBA degree.
- Specified courses (LAW, MED, PHA, NCR, or INR) for students in the dual JD/MBA, MD/MBA, PharmD/MBA, MBA/MS-NCR, or MBA/MA-INR programs.
- Other graduate level courses (for example, in Math or Psychology).

M.B.A./Master of Accounting Dual Degree Program

The MBA/MAC dual degree develops professionals to be ethical, socially responsible, and values-based leaders who have deep knowledge in the field of accounting. The streamlined 48 credit hour dual degree can be completed in considerably less time and cost than if the two degrees were earned separately. For the MAC student, the 9 hours of MBA core courses would be dual counted with the MBA. Accounting core courses and electives could be counted toward the 12 hours of MBA courses electives. For the MBA student, the 9 hours of MBA courses would be dual counted with the MAC program. MBA electives, if carefully selected, would fulfill the core elective courses of the MAC program. For the student engaged in both degrees concurrently, the 48 hours are achieved by taking five additional courses (15 hours)

Foundation

Applicants must meet the admissions requirements for both the MBA and MAC degree programs. All MBA/MAC students will work with the Graduate Business Programs office and the MAC program coordinator to develop a plan of study reflecting the students' academic and work backgrounds, business competencies, and career goals. Plans of study will consist of courses from the Functional Core and/or from an extensive list of Concentration courses. The relative emphasis of a student's plan of study on each of these areas will depend on each student's academic and business background.

Requirements

MBA Core Courses (9 hours)

| | | |
|---------|----------------------------------------|---|
| MBA 771 | Leadership and Organizational Behavior | 3 |
| MBA 775 | Business Policy And Managerial Action | 3 |
| MBA 776 | Business, Ethics and Society | 3 |

MBA Functional Core Courses (9 hours)

Students who are new to the study of business because they hold neither an undergraduate degree in business nor have extensive business work experience may be required to take some or all of the functional core classes. Students who hold undergraduate business degrees or have extensive business experience may elect to take one or more of these courses with the approval of the Graduate Business Program's Office or may elect to move directly to concentration courses.

| | | |
|---------|--------------------------------|---|
| MBA 711 | Managerial Finance | 3 |
| MBA 761 | Marketing Management | 3 |
| BIA 731 | Information Systems Management | 3 |

MAC Core Courses (6 hours)

| | | |
|---------|----------------------------------------------------------------------------|---|
| MAC 731 | Historical Development of and Current Issues in the Accountancy Profession | 3 |
| MAC 735 | Research Appreciation | 1 |
| MAC 736 | Technology for the Professional Accountant | 1 |
| MAC 737 | Accounting Ethics and Codes of Professional Conduct | 1 |

MAC Accounting-Discipline Electives (12 hours)

No more than three 500-level courses may be taken for graduate credit and counted toward the 48 total hours for the MBA/MAC degree. Each 500-level course taken for graduate credit requires a significant amount of additional graduate-level work product (papers, case presentations, planning projects, etc.) this is not required for undergraduate students in the course.

| | | |
|---------|------------------------------------------------------------------------|-----|
| ACC 516 | Special Managerial Accounting Issues | 3 |
| ACC 521 | Advanced Accounting | 3 |
| ACC 523 | Advanced Auditing | 3 |
| ACC 538 | International Accounting | 3 |
| ACC 544 | Advanced Taxation | 3 |
| ACC 579 | Seminar in Accounting | 3 |
| MBA 717 | Accounting Seminar: Special Managerial and Financial Accounting Issues | 1-3 |
| MBA 739 | Tax Theory and Business Decisions | 3 |
| MAC 727 | Corporate Governance | 3 |
| MAC 729 | Current Issues in Managerial Accounting | 3 |
| MAC 766 | Graduate Internship | 1-3 |
| MAC 795 | Independent Study & Research | 1-3 |
| MIM 730 | Financial Statement Analysis I | 3 |

MBA/MAC Electives 12

These business courses cover advanced topics in economics, finance, business intelligence & analytics, marketing, and management. To ensure appropriate breadth and depth student must take 12 hours in at least three of five functional areas (economics, finance, business intelligence & analytics, marketing, and management).

MAC Co-Curricular Activities

In addition to completing the required course work, each MAC student will also engage in two required co-curricular activities while in the program: professional and service participation. 1) A student must participate in a student or community business organization or activity (e.g., the Creighton Beta Alpha Psi chapter, the Creighton Leadership program, the Omaha Chapter of the Institute of Internal Auditors, etc.). Part of this requirement will include a written reflective piece to be submitted to the MAC Program Coordinator; 2) Each MAC student must complete at least one service project (e.g., a CCSJ-sponsored service trip, participation in VITA, a service learning component in a course, etc.) that contains a significant reflective component.

M.B.A./M.S.-BIA Dual Degree Program

The Master of Business Administration/Master of Science in Business Intelligence and Analytics (M.B.A./M.S.-BIA) dual degree program allows students to combine the general business focus provided by the M.B.A. degree with the technology management thrust of the M.S.-BIA degree. The streamlined program can be done in a 48 credit hour program (excluding Foundation courses) in considerably less time and cost than if the two degrees were earned separately (66 total hours). With both degrees, students will have an impressive collection of managerial and technology skills and competencies.

Foundation

Demonstrated proficiency in computer programming. Requirement can be fulfilled by either having taken a programming class or on-the-job programming experience.

Students entering the dual M.B.A./M.S.-BIA program will also need to show evidence that they have completed at least one statistics course in their undergraduate degree. Students without such a class may either complete an acceptable undergraduate course or a non-credit statistics tutorial offered for a fee by the Heider College of Business.

Requirements

M.B.A. Core

All M.B.A. students will complete three courses that address business processes and skills fundamental to Creighton's Jesuit and values-based mission.

Creighton's M.B.A. program emphasizes how business leaders apply sound and coherent ethical principles to serve its stakeholders and society for the common good. To support this emphasis, all M.B.A. students complete the following courses:

| | | |
|---------|----------------------------------------|---|
| MBA 771 | Leadership and Organizational Behavior | 3 |
| MBA 775 | Business Policy And Managerial Action | 3 |
| MBA 776 | Business, Ethics and Society | 3 |

M.B.A. Functional Core

Students who are new to the study of business because they hold neither an undergraduate degree in business nor have extensive business work experience may be required to take some or all of the functional core classes. Taking these classes and the core M.B.A. courses will lead to a general competency in most areas of business. Students who hold undergraduate business degrees or have extensive business experience may elect to take one or more of these courses with the approval of the Graduate Business Program's office or may elect to move directly to concentration courses.

| | | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|----|----------------------------------------------------------------------------------------------------------------------|----|
| MBA 701 | Financial Reporting for MBAs | 3 | MBA 711 Managerial Finance or MBA 712 Advanced Managerial Finance | 3 |
| MBA 711 | Managerial Finance (or MIM Elective) | 3 | | |
| MBA 741 | Economic Analysis for Managers | 3 | MBA Core | |
| MBA 761 | Marketing Management | 3 | MBA 771 Leadership & Organizational Behavior | 3 |
| BIA 731 | Information Systems Management | 3 | MBA 775 Business Policy & Managerial Action | 3 |
| BIA Core | | | MBA Functional Core | |
| BIA 762 | Survey of Business Intelligence and Analytics | 3 | MBA 701 Financial Reporting for MBA's or 702, 717, 739; ACC 521, 538, 544, 579 or | 3 |
| BIA 772 | Data Visual Analysis and Visualization | 3 | MBA 761 Marketing Management or MBA 765, 767 or | 3 |
| BIA 782 | Database Management Systems | 3 | BIA 731 Information Technology Management or any 700 level BIA course or | 3 |
| Electives | | | Elective Group #1 (3 hours) Students must choose from one of the following: | 3 |
| At least 12 hours of the 15 total hours of electives must be other 700-15 level BIA courses. Three hours may be 700-level MBA or specified MIMFA courses. Please consult academic advisor for complete list of qualified courses. | | | MIM 732 Economics of Investment Management | |
| BIA 710 | Development Technologies for the Web | | MBA 741 Economic Analysis for Managers | |
| BIA 733 | Systems Integration | | MBA 742 Seminar in Applied Managerial Economics | |
| BIA 736 | Managing Information Resources | | Elective Group #2 (3 hours) Students must choose from one of the following: | 3 |
| BIA 738 | Emerging Technologies | | MIM 720 Ethical & Professional Standards | |
| BIA 740 | Data Mining Techniques for Business | | MBA 776 Business, Ethics & Society | |
| BIA 766 | Graduate Internship | | Elective Group #3 (3 hours) | 3 |
| BIA 770 | Cybersecurity | | Students must choose one elective from MBA finance, MIM or MSF offerings (subject to MFIN Director approval) | |
| BIA 780 | Applications of Artificial Intelligence | | Electives (6 hours) | 6 |
| BIA 785 | Wireless Technologies and Mobile Commerce | | Students must take one course in each of the two following functional areas: Accounting, economics, BIA or marketing | |
| BIA 786 | Telecommunications Infrastructure | | | |
| BIA 789 | Seminar:Advanced Topics in Information Technology Management | | | |
| BIA 790 | Information Technology Projects | | | |
| BIA 795 | Independent Study and Research | | | |
| BIA 799 | Master's Thesis | | | |
| Total Credits | | 48 | Total Credits | 48 |

M.B.A./M.Fin. Dual Degree Program

The Master of Business Administration/Master of Finance (MBA/MFIN) dual degree program is designed to offer either a general management education, i.e., the MBA degree, to students new to the study of business or an advanced and more specialized business education to students with a business degree and/or significant business experience, along with allowing students to focus more on their studies in finance.

Foundation

Students entering the program will also need to show evidence that they have completed at least one statistics course in their undergraduate degree or satisfy the statistics requirement by taking MIM 724. Students without a statistics class may either complete an acceptable undergraduate course or a non-credit statistics tutorial offered for a fee by the college.

Requirements

MSF Core (18 hours)

| | |
|----------------------------------------|---|
| MIM 722 Fixed Income & Derivatives I | 3 |
| MIM 724 Quantitative Analysis | 3 |
| MIM 730 Financial Statement Analysis I | 3 |
| MIM 734 Equity Analysis | 3 |
| MSF 735 Portfolio Management | 3 |

Master of Business Administration / Juris Doctor Dual Degree

The Master of Business Administration (M.B.A.) degree offered through the Heider College of Business paired with the Juris Doctor degree from the School of Law prepares students for a myriad of professional opportunities through a rigorous academic curriculum with practical experience in business. Students benefit from an interdisciplinary learning environment while completing two degrees simultaneously with fewer credits than if each degree were completed separately. Individuals seeking admission to the dual program must apply to and be admitted separately by both the Heider College of Business and the School of Law. The first year of study is devoted strictly to law courses. Law students must also submit a "Notice of Intent" form to the Associate Dean of the Law School prior to enrolling in their first M.B.A. class. This ensures that law students understand the academic rules pertaining to the J.D. degree.

Requirements

| Code | Title | Credits |
|------|-------|---------|
|------|-------|---------|

M.B.A. Core

All M.B.A. students will complete three courses that address business processes and skills fundamental to Creighton's Jesuit and values-based mission.

Creighton's M.B.A. program emphasizes how business leaders apply sound and coherent ethical principles to serve its stakeholders and society for the common good. To support this emphasis, all M.B.A. students complete the following courses:

| | | |
|---------|----------------------------------------|---|
| MBA 771 | Leadership and Organizational Behavior | 3 |
| MBA 775 | Business Policy And Managerial Action | 3 |
| MBA 776 | Business, Ethics and Society | 3 |

M.B.A. Functional Core

Students who are new to the study of business because they hold neither an undergraduate degree in business nor have extensive business work experience may be required to take some or all of the functional core classes. Taking these classes and the core M.B.A. courses will lead to a general competency in most areas of business. Students who hold undergraduate business degrees or have extensive business experience may elect to take one or more of these courses with the approval of the Graduate Business Program's office or may elect to move directly to concentration courses.

| | | |
|---------|--------------------------------------|---|
| MBA 701 | Financial Reporting for MBAs | 3 |
| MBA 711 | Managerial Finance (or MIM Elective) | 3 |
| MBA 741 | Economic Analysis for Managers | 3 |
| MBA 761 | Marketing Management | 3 |
| BIA 731 | Information Systems Management | 3 |

Electives - Concentration

Complete the balance of the 33 credits for the M.B.A. degree from concentration courses available in all the functional business areas, plus 6 credits of J.D. work. 9

| | |
|------------------------------------------|----|
| J.D. First-year Required Courses | 32 |
| J.D. Second-year Required Courses | 22 |
| J.D. Electives | 18 |

35 electives (including the professional skills requirement) are normally required for the J.D. degree. 12 hours of electives may come from MBA coursework.

Total Credits 105

See the Graduate Business Programs Office and the School of Law for complete details and requirements.

M.B.A./M.S.-NCR Dual Degree Program

The Master of Business Administration (M.B.A.) degree offered through the Heider College of Business paired with the Master of Science in Negotiation and Conflict Resolution (M.S.-NCR) degree offered through the Werner Institute prepares students with the ability to balance the needs of diverse groups within ever changing environments by increasing collaborative problem-solving skills and developing an understanding of complexity theory allowing for greater comfort with ambiguity and the emergence of conflict. The increased understanding of the dynamics of conflict and conflict management leads to a myriad of professional opportunities. The next generation of leaders will be working with and within our institutions to improve how we work together. They will become the conduits through which future models for collaborative organizations emerge. The rigorous academic curriculum integrates substantial practical experience in business and negotiation to ensure your success in tomorrow's workplace.

Individuals wishing to obtain the M.B.A./M.S.-NCR degree must complete 47 credit hours across the two programs. The 33 hour M.B.A. degree may be obtained by combining eight hours of NCR courses with an additional 25 hours of MBA course work. The 32 hour M.S.-NCR can be obtained by combining ten hours of M.B.A. courses with an additional 22 hours of NCR work.

Requirements

M.B.A. Requirements

| | | |
|-----------------|----------------------------------------|---|
| MBA Core | | |
| MBA 771 | Leadership and Organizational Behavior | 3 |
| MBA 775 | Business Policy And Managerial Action | 3 |
| MBA 776 | Business, Ethics and Society | 3 |

MBA Functional Core

| | | |
|---------|----------------------------------------------|---|
| MBA 701 | Financial Reporting for MBAs | 3 |
| MBA 711 | Managerial Finance | 3 |
| MBA 741 | Economic Analysis for Managers | 3 |
| MBA 761 | Marketing Management | 3 |
| BIA 731 | Information Systems Management | 3 |
| MBA 779 | Seminar in Management (Dardis Communication) | 1 |

NCR Requirements

| | | |
|---------|---------------------------------------------------|---|
| LAW 310 | Alternative Dispute Resolution | 2 |
| LAW 410 | Negotiation | 3 |
| NCR 623 | Online Dispute Resolution | 2 |
| NCR 624 | Dynamics of Conflict | 3 |
| NCR 625 | Systems and Consulting for Conflict Specialists | 2 |
| NCR 626 | Culture, Gender and Power Differences in Conflict | 2 |
| NCR 627 | Facilitation and Group Processes | 2 |
| LAW 404 | Mediation Process | 3 |
| NCR 733 | Practicum | 3 |

Total Credits 47

Dual M.B.A./M.I.M.F.A.

The 48 credit hour dual M.B.A./M.I.M.F.A program prepares students for an advanced investments and financial analysis as guided by the Code of Ethical Practice and Professional Conduct, while preparing them to be value-based leaders via the general management education of the M.B.A degree.

Foundation

All students entering the dual M.B.A./M.I.M.F.A. program will need to show evidence they have completed at least one statistics course that includes regression and correlation. Students without a statistics class will need to complete either a non-credit statistics tutorial offered for a fee through the Heider College of Business or an undergraduate statistics course.

Requirements

M.B.A. Core

All M.B.A./M.I.M.F.A. students will complete three M.B.A. courses that address business processes and skills fundamental to Creighton's Jesuit and values-based mission.

| | | |
|---------|----------------------------------------|---|
| MBA 771 | Leadership and Organizational Behavior | 3 |
| MBA 775 | Business Policy And Managerial Action | 3 |
| MBA 776 | Business, Ethics and Society | 3 |

M.B.A. Functional Core

Students who are new to the study of business because they hold neither an undergraduate business degree nor have extensive business work experience will be required to take some or all of the functional core classes. These classes, combined with the core, will lead to a general competency in most areas of business.

Students who hold an undergraduate business degree or have extensive business experiences will work with the Graduate Business Program's staff to select advanced courses in two of the four functional areas.

| | | |
|-------------------------|-----------------------------------------------------------------------------------|----|
| MBA 701 | Financial Reporting for MBAs | 3 |
| MBA 711 | Managerial Finance (or MIM Elective) | 3 |
| MBA 761 | Marketing Management | 3 |
| BIA 731 | Information Systems Management | 3 |
| M.I.M.F.A. Core | | |
| MIM 720 | Ethical and Professional Standards | 3 |
| or MIM 717 & MIM 718 | Ethical and Professional Standards I and Ethical and Professional Standards II | |
| MIM 722 | Fixed Income and Derivatives I | 3 |
| MIM 724 | Quantitative Analysis | 3 |
| or MIM 723 & MIM 725 | Quantitative Analysis I and Quantitative Analysis II | |
| MIM 730 | Financial Statement Analysis I | 3 |
| MIM 732 | Economics of Investment Management | 3 |
| MIM 734 | Equity Analysis | 3 |
| MIM 736 | Fixed Income and Derivatives II | 3 |
| MIM 738 | Advanced Financial Analysis | 3 |
| MIM 740 | Portfolio Management | 3 |
| Total Credits | | 48 |

Graduate Certificate in Certified Financial Planning

Graduate Certificate in Personal Financial Planning

Through the Center for Insurance and Risk Management (CFRIM) in the Heider College of Business, industry professionals who are looking to re-energize their career or move into a better position by earning their CFP®, CLU® or ChFC® professional designation or are interested in a graduate-level focus area in financial planning within their MBA degree can take courses toward a graduate certificate in financial planning that will satisfy all areas of study required to sit for the CFP® exam.

Program Goals

1. Support the continuing education needs of insurance and financial planning professionals.
2. Help to provide executives exposure to our graduate programs and opportunities for degrees.
3. Provide learning opportunities for executives looking to obtain advanced industry certifications and designations.

Admission

1. Eligibility for Admission: Applicants to the Graduate Certificate in Personal Financial Planning must have a baccalaureate degree from an accredited institution of higher education and the equivalent of Principles of Accounting I, Macro and Microeconomics, and Corporate Finance.
2. Application: A completed application form, current resume and non-refundable application fee are required.
3. Transcripts: One official transcript must be sent from each institution of collegiate rank attended by the applicant. Transcripts should be

sent directly from the collegiate institution to the Enrollment Services, Harper Center, 2500 California Plaza, Omaha, NE 68178. All such transcripts become the property of Creighton University.

4. Prerequisites: Students will need to have completed course work in accounting, micro and macroeconomics, and corporate finance.

Certificate Requirements

The Graduate Certificate in Personal Financial Planning consists of 21 credit hours. These 21 credit hours may also apply toward the 33 total hours needed for an MBA degree with an emphasis in financial planning. Industry professionals who do not wish to pursue the MBA degree may take these classes either for credit or non-credit. Not all classes are offered each term.

| | | |
|---------------|---------------------------------------------------------------|----|
| FIN 511 | Retirement Planning and Employee Benefits | 3 |
| FIN 512 | Estate Planning and Taxation | 3 |
| MBA 715 | Investment Value and Theory | 3 |
| MBA 719 | Finance Seminar (Personal Financial Planning) | 3 |
| MBA 719 | Finance Seminar (Case Studies in Financial Planning-capstone) | 3 |
| MBA 739 | Tax Theory and Business Decisions | 3 |
| MBA 795 | Independent Study And Research (Insurance Risk Management) | 3 |
| Total Credits | | 21 |

For information on CFRIM or the Graduate Certificate in Personal Financial Planning, visit <http://business.creighton.edu/CFIRM> or contact Ed Horwitz, CFRIM Director, at edwardhorwitz@creighton.edu or 402.280.2476.

Graduate Certificate in Project Management

Graduate Certificate in Project Management

The Graduate Certificate in Project Management curriculum is built around the PMI PMBok® Guide. The Guide is internationally accepted standard of practice for project management. The curriculum is experiential, high-quality, and practitioner-oriented. It will enable new and experienced professionals from a broad range of industry sectors such as Healthcare, Information Technology, Finance and Banking, Manufacturing, insurance and Construction to implement projects, programs and portfolios effectively. The project management courses cover 100% of the topics for the two of the most awarded PMI certifications: the Project Management Professional (PMP®) and PMI Agile Certified Practitioner (PMI-ACP®) and covers a significant portion of the topics for the others: Program Management Professional (PgMP®), PMI Risk Management Professional (PMI-RMP®); PMI Scheduling Professional (PMI-SP®), PMI Organizational Project Management OPM3® Professional Certification.

Program Goals

The learning outcomes and goals of the Graduate Certificate in Project Management focus area are:

- Learners will develop competency for professional careers implementing projects in business that drives innovation, process improvements, expansion and change. This is the application

of business concepts to generate solutions to current business problems.

- Learners will integrate the project management knowledge with leadership, team collaboration, effective oral, written and visual communication skills, negotiation and strategic thinking. All is vital to a successful project management career. It is the application of diverse ways that leaders and managers influence the work behaviors and attitudes of individuals, teams and other groups in organizations. Working with teams in traditional as well as virtual environments is the focus of the application of project management.
- Three of the project management knowledge areas, Cost, Stakeholder Management and Integration require the learner to apply a stakeholder value based framework for financial decision related to project alternatives balancing speed, cost and quality.
- Learners will experience first-hand the ethical integrity and professional standards for project manager to effectively drive and lead change while maximizing and balancing critical resources, cost, quality and time. It provides a working framework to enable maximum social and cultural value while concurrent with good returns on investment for change. The courses will identify and enable creation of responsible courses of action using ethical decision-making models based on the communicated professional code of ethics and standards for project management.
- Participants interested in earning a CAPM®, PMP® or PMI-ACP® designation will have a program that will insure they have the knowledge and requirements to successfully sit for the certification exam. These professional designations are recognized globally (130 countries) with over 4000 professionals worldwide earning these designations per month.
- Learners interested in leading improvements, innovation and change in business areas such as IT, Accounting, Operations and Business processes will have the core project management skills needed to improve their successful implementation of projects. To implement change, learners will demonstrate the ability to analyze and construct arguments, deal appropriately with alternative points of view, articulate reasoning using in arguments and justify proposed actions.
- Adult learners will be able to enhance their skills portfolio and gain career advancing knowledge in project management. These adult learners are post graduate professionals in IT, Engineering, Supply Chain, Procurement, Marketing, Accounting, Product Development or Operations.

Admission

1. **Eligibility for Admission:** Admission is based on having a bachelor's degree, two letters of recommendation, an acceptable GMAT score, two years of post-graduate work experience and an application essay discussing how the focus area fits into their career objectives.
2. **Application:** A completed application form, current resume and non-refundable application fee are required.
3. **Transcripts:** One official transcript must be sent from each institution of collegiate rank attended by the applicant. Transcripts should be sent directly from the collegiate institution to the Enrollment Services, Harper Center, 2500 California Plaza, Omaha, NE 68178. All such transcripts become the property of Creighton University.

Certificate Requirements

The Project Management certificate consists of 14-15 credit hours. These credits may also apply as a focus area in the MBA.

Project Management Focus Area

| | | |
|-------------|-------------------------------------|-----|
| MBA/BIA 501 | Managing Projects: The Fundamentals | 1.5 |
|-------------|-------------------------------------|-----|

| | | |
|-------------|---------------------------------------------|-----|
| MBA/BIA 502 | Managing Projects: The Fundamentals Lab | 1.5 |
| MBA/BIA 705 | Mastering Project Management | 1.5 |
| MBA/BIA 706 | Mastering Project Management Lab | 1.5 |
| MBA/BIA 707 | Project Management Capstone - PMP Exam Prep | 3 |

Electives

| | | |
|--------------------------------------------|----------------------------------------|---|
| Select two of the following three courses: | | 6 |
| MBA 776 | Business, Ethics and Society | |
| MBA 771 | Leadership and Organizational Behavior | |
| BIA 782 | Database Management Systems | |
| BIA 787 | Business Process Management | |

| | | |
|---------------|--|----|
| Total Credits | | 15 |
|---------------|--|----|

Business Intelligence and Analytics

Program Director: Dr. Ravi Nath

Program Office: Harper Center

Graduate Study in Business Intelligence and Analytics

The Master of Science in Business Intelligence and Analytics (M.S.) degree is a 33-credit-hour program. The course of study provides a creative synergy between technology and management and is designed to meet the demands of the constantly evolving business-technology environment. Students learn to be responsible leaders who will shape how information technology drives business success.

Technology touches every aspect of business, and graduates of the M.S.-BIA program are prepared to set the pace, bringing a values-centered perspective to the business world.

Program Goals

1. Exhibit disciplinary knowledge in Business Intelligence and Analytics.
2. Think critically to aid decision-making.
3. Communicate professionally.
4. Commit to action that demonstrates care for others.
5. Exhibit personal habits consistent with leadership formation.

Admission

1. **Eligibility for Admission:** Applicants for admission to the M.S. program must have a baccalaureate degree, regardless of the undergraduate field of study, and an acceptable level of scholarship from an accredited institution of higher education, along with the following documents:
2. **Application:** A completed application form, personal essay discussing how a master's degree fits in with an applicant's career plans and which aspects of Creighton's M.S. program are most appealing, current resume, and a non-refundable application fee.
3. **Recommendations:** Two recommendations are required. The recommendations should be completed by persons other than family members who are capable of assessing an applicant's performance in an academic or work setting.
4. **Transcripts:** One official transcript must be sent from each institution of collegiate rank attended by the applicant. Transcripts should be sent directly from the collegiate institution to the Enrollment Services, Harper Center, 2500 California Plaza, Omaha, NE 68178. All such transcripts become the property of Creighton University.

5. **Graduate Management Admissions Test (GMAT)**¹: All applicants must submit an acceptable score report on the Graduate Management Admissions Test (GMAT). The GMAT is administered by PearsonVUE. Further information about the GMAT may be obtained at MBA.com
6. **Test of English as a Foreign Language (TOEFL)**: The Graduate School requires all students from countries in which English is not the native language to demonstrate competence in English by a score in the TOEFL (Test of English as a Foreign Language) examination of 90 on the Internet-based Test (iBT) at the graduate level. International applicants who received their baccalaureate degree from an accredited institution in the U.S., United Kingdom, Canada (excluding French Quebec), Australia, New Zealand, or Africa (English speaking only) are not required to submit a TOEFL score report. The IELTS may be substituted for the TOEFL provided an applicant's overall band score is at least 6.5 with no subscore below 6.
7. **Financial Ability**: All international applicants must provide a "Certification of Available Finances" form in order for the I-20 form to be issued by the Office of International Programs if an applicant is admitted to the program.
8. **Prerequisites**: Applicant to the M.S.-BIA program must show demonstrated proficiency in computer programming, either through a class or work experience and evidence that they have completed at least one statistics course in their undergraduate degree that included correlation and regression. Students without such a class may complete instead a non-credit statistics tutorial offered by the college for a fee.

Acceptance to the M.S. Program is granted to applicants who clearly demonstrate that they have high promise of succeeding in graduate business study. Interviews are not required as part of the admission process.

¹ *GMAT Exemption Practices*

1. **GRE Performance**: Applicants who have already taken the GRE may substitute their GRE performance for their GMAT score. The applicant's verbal GRE score must be at least 153 and the quantitative score must be at least 144. The applicant must also be above the 20th percentile in both categories.
2. **Professional Graduate Degrees**: Applicants may be exempt from taking the GMAT if they have earned a professional graduate degree. Examples of such degree include: J.D., M.D., Ph.D., D.D.S., Ed.D., and Pharm.D.
3. **Professional Certifications**: Applicants who have earned CPA certification or CFA certification (have passed at least Level 1) may be exempted from taking the GMAT.
4. **Creighton Business Graduates**: Applicants who have earned a BSBA degree from Creighton University College of Professional Studies in the last 10 years with at least a 3.50 overall GPA plus at least a 3.75 GPA in all accounting, finance, and statistics courses taken may be exempted from taking the GMAT.

Degree Programs

- Master of Science in Business Intelligence and Analytics (M.S.-BIA) (p. 66)
- M.B.A./M.S.-BIA Dual Degree (p. 57)

Graduate Certificate in Business Analytics

- Business Analytics (p. 66)

Courses

BIA 501. Managing Projects: The Fundamentals. 1.5 credit.

This course introduces the basic concepts of strategic leadership, project planning, and management. It will examine and consider the practical applications of strategic leadership, project planning, and project management. Students will then apply these concepts and principles in real-world scenarios. Based on the Project Management Institute's PMBok Guide 5.0, participants will apply the ten knowledge areas of projects to the five project processes: 1) defining, 2) planning, 3) executing, 4) monitoring and controlling and 5) closing. The course provides a look at a leader's role in leading projects, programs and portfolio management and the project manager's role in projects and programs. As a cross-listed 500 level course, graduate level students will be required to complete additional assessed work as part of this course.

BIA 502. Managing Projects: The Fundamentals Lab. 1.5 credit.

The lab is an experiential learning simulation for a project introducing the application of all knowledge areas as a team executes a project through all five project processes. The lab is frequently delivered on-site as non-credit. The lab provides the introduction to the concepts for the lecture/on-line courses reflective learning processes.

BIA 604. Information Technology Concepts. 1.5 credit.

This course provides coverage of the role of key concepts and elements of information systems and their role in business organizations, emphasizing applications of information systems and the current issues facing their managers and users. Lecturers, discussions, presentations, and students work will seek to foster an understanding of the strategic importance of information systems, their impact on people and organizations, the many ways they can improve the work practices within firms, and the ways they can improve a firms' products.

BIA 705. Mastering Project Management. 1.5 credit.

This builds on the knowledge and fundamentals learned in Managing Projects: The Fundamentals. This course features experiential learning to strengthen skills in defining, planning, executing, monitoring and controlling and closing projects in a variety of settings. More tools and methods are introduced for the ten management knowledge areas: scope, time, cost, integration, stakeholder, quality, human resources, communication, risk & procurement. More advanced topics are explored in the areas of teams and leadership, project performance management, procurement, risk management and interpersonal and soft skills for the human side of project management. Advanced study includes the use of various performance measurement systems and tracking tools to aid in scheduling and managing projects. This course is based on the PMBok 5.0, and covers the processes and knowledge areas of projects. It provides an in-depth look at project management from a leader's role in leading projects, programs and project portfolios. It includes flexible and pragmatic review of variations and overlaps in project approaches and techniques such as waterfall, agile, scrum, and Kaizen practices to provide the participant with a practical application orientation for the pros and cons of each. A practicum approach to applying the knowledge learned to business applications is a part of the applied case study approach of this course.

BIA 706. Mastering Project Management Lab. 1.5 credit.

The lab is an experiential learning simulation for applying the concepts for Mastering Project Management. It uses both simulation and project management software apply to all knowledge areas as a team executes a project through all five project processes. The lab is frequently delivered on-site as non-credit. The lab provides the introduction to the concepts for the lecture/on-line courses reflective learning processes.

BIA 707. Project Management Capstone - PMP Exam Prep. 3 credits.

This course reviews all aspect of project management in the five processes and ten knowledge areas aligned with the PMBOK® Guide for the PMI PMP® & CAPM® Credential exam. The Project Management Professional (PMP®) is the recognized professional certification for Project Managers. It demonstrates knowledge competence in leading, managing and directing projects, programs and portfolios. This is an exam preparation and review course.

BIA 710. Development Technologies for the Web. 3 credits.

As the interest in web sites becomes more widespread, so have peoples expectations. It is increasingly obvious that the functionality provided by HTML is insufficient. This is particularly true as more and more web sites are used to interact with databases. Many scripting and actual programming languages and environments such as CGI, Javascript, and flash are being turned to as they can provide the added functionality demanded by today's commercial web sites. This course will explore these and other technologies and use them to create web sites. P: Demonstrated proficiency in programming.

BIA 731. Information Systems Management. 3 credits.

This course provides an in-depth coverage of the role of information systems in business organizations, emphasizing applications of information systems and the current issues facing their managers and users. Lectures, discussions, presentations, and student project work will seek to foster an understanding of the strategic importance of information systems, their impacts on people and organizations, the many ways they can improve the work practices within firms, and the ways they can improve a firm's products. Note: The program director may waive BIA 731 and require an additional BIA elective for students who have successfully completed MIS 253 or an equivalent course.

BIA 733. Systems Integration. 3 credits.

Addresses the circumstances surrounding the reliance of most organizations on information technology products and resources from many different sources, both internal and external to the organization. The concepts and methods associated with coordinating an infrastructure of hardware, software, networks, services, and training resources will be discussed and applied. Issues concerning the preparation, distribution, and evaluation of requests for proposal (RFP), contracting and acquisition of information technology products, and managing a team of vendors and contractors, will be considered and illustrated with case studies. Exercises will offer students an insight into the complexities of such topics as outsourcing, integrating legacy systems with current applications, and managing system evolution. P: IC.

BIA 734. Introduction to User Experience Design. 3 credits.

Current trends in system design towards development of systems which fit in better with what humans find natural and easy to do motivate this course. The course focuses on information about human behavior, cognition, abilities and limitations, and other characteristics that are relevant to interaction with information systems. Specific strategies which apply these concepts in order to improve usability will be explored. Benefits of the incorporation of human factors into information processing systems such as less training, fewer errors, increased ability to perform complex operations, less stress, and faster work will also be discussed. Students will have the opportunity to incorporate human factor principles in an information system in order to maximize human-computer cognitive compatibility. P: BIA 731 or equivalent.

BIA 735. Information Systems Project and Risk Management. 3 credits.

The role of systems analysis, decision analysis, and risk analysis in the project management process; managerial issues; analytical techniques of project management including CPM/PERT; budgeting processes; resource management; project control; use of project management software. P: Statistics.

BIA 736. Managing Information Resources. 3 credits.

This course focuses on the managerial issues faced by business and information systems (IS) managers in today's technology rich business environment. Special emphasis is placed on information as a critical resource and on its role in policy and strategic planning. The course discusses the issues and techniques relevant to the effective management of information resources. It will take a broad perspective by examining the internal, external, and strategic planning issues involved in IS resource management. The course will also use Harvard Business School cases and other cases to explore the managerial, technical, and behavioral issues relevant to IS resource management. P: BIA 731 or equivalent.

BIA 738. Emerging Technologies. 3 credits.

According to Moore's law, the amount of information storable in one square inch of silicon has roughly doubled yearly every year since the technology was invented. This phenomenon is causing numerous new and promising advances in information technology. Businesses capitalizing early on the adoption of some of these key technologies stand to gain significant competitive advantage. Unfortunately, organizations are in a quandary with respect to the identification, use and management of these emerging technologies. The primary focus of this course will be on the identification, acquisition, management and use of emerging technologies. P: BIA 731 and BIA 782.

BIA 740. Data Mining Techniques for Business. 3 credits.

Advances in information and data capture technologies have accelerated the rate at which organizations are able to gather large volumes of data pertaining to customers, suppliers, competitors, and other entities of interest. These databases are rarely tapped for the wealth of information they may hide. The purpose of this course is to deal with the issue of extracting information and knowledge from large databases. The extracted knowledge is subsequently used to support human decision-making with respect to summarization, prediction, and the explanation of observed phenomena (e.g. patterns, trends, and customer behavior). Techniques such as visualization, statistical analysis, decision trees, and neural networks can be used to discover relationships and patterns that shed light on business problems. This course will examine methods for transforming massive amounts of data into new and useful information, uncovering factors that affect purchasing patterns, and identifying potential profitable investments and opportunities. P: Statistics.

BIA 741. Introduction to Business and Data Analytics. 3 credits.

The course provides an overview of business analytics as well as introduces and reinforces the concepts common to all modern statistical methods. Coverage includes sampling, confidence, hypothesis testing, and simple linear regression.

BIA 742. Predictive Analytics. 3 credits.

Organizations are gathering and storing massive amounts of data, from individual medical records to airline-passenger profiles. Faster computers and algorithms have become available to visualize and transform this data into information for improved decision-making. Specifically, this ability allows organizations to fully tap into these capabilities to glean valuable insights, patterns, and trends. Deployment of predictive analytics allows organizations to predict future outcomes by studying the relationships among variables from existing data. This course discusses the process of developing, evaluating, and deploying predictive models in an application-oriented environment. The course is applied in nature and extensively uses examples, readings, and hands-on exercises to reinforce the concepts. P: BIA 741 and BIA 782 or IC.

BIA 744. Text Mining. 1.5 credit.

Social networks, Twitter, e-mails, blogs, and platforms provide a rich source of unstructured information. Frequently this information is not cultivated to the same extent as numeric information to create unique and breakthrough services and products. This course delves into understanding and analyzing textual information to glean insights, trends, and patterns that organizations can use for competitive purposes. This course is application oriented and uses examples and readings that reinforce the techniques covered in the class. P: BIA 741 or IC.

BIA 745. Information Visual Analysis and Visualization. 1.5 credit.

The ability to explore massive amounts of data to detect meaningful patterns, trends, and exceptions on which to base decisions is paramount for today's business professional. Tables and graphs are used for this purpose, but they can be poorly designed and mis-represent or even obfuscate the truth. This course teaches the fundamentals of information design, and provides opportunities for application of the concepts using a variety of visualization tools and techniques. Students will learn which technique to apply in a given scenario, as well as how to present information in the most compelling, consumable, and meaningful way. P: BIA 741 or IC.

BIA 746. Applications of Optimization Modeling. 3 credits.

Quite often, decision-making challenges involve several options or alternative courses of action, thereby making it cumbersome for the decision-maker to choose the "right" decision. Determining the best alternative is especially difficult in circumstances involving uncertainty and risk. Optimization modeling tools help the decision-maker find the optimal solution through a systematic approach of formulating the problem, solving it with the appropriate quantitative tool(s) and interpreting the results. Similarly, simulation tools assist the decision-maker in estimating risk and uncertainty within the context of their problem area. Accordingly, the overarching purpose of this class is to help students improve their quantitative skills and make better decisions with the aid of mathematical modeling tools. This course introduces students to deterministic and probabilistic analytical tools that can be applied in various industries such as finance, marketing, production, transportation, supply chain, human resource management and healthcare. Specifically, students will have a "working knowledge" of linear programming, non-linear programming and integer programming models, decision analyses and decision trees, and risk analyses with Monte Carlo simulation. Sensitivity analyses and "what if" scenarios will be examined throughout the course. Brief lectures, simulations, problem-solving, cases and discussions of real-world issues will be used to facilitate learning. P: BIA 741; strong familiarity with MS Excel 2010 or later, or IC.

BIA 760. Strategic Leadership in IT. 3 credits.

A study of how technology, especially information technology, can be used as an essential component of the global strategy of an enterprise. Emphasis is on linking technology policy with corporate strategy and identifying technology options that will ensure the most effective execution of organizational strategy. Electronic commerce is examined as a strategic technology application. Topics also include external and internal strategic analysis, technology forecasting, benchmarking, corporate intelligence, knowledge management and planning and control strategies. Strategic technology planning is examined from a historical perspective; concepts essential to technology security and information assurance are introduced. This course will also cover the analysis of the role of the chief information or technology officer in leading the new fast-paced, information age organization.

BIA 762. Survey of Business Intelligence and Analytics. 3 credits.

Business Intelligence (BI) and Data Analytics are at the forefront of modern business management and have become key components in accomplishing strategic and operational goals. This course explores the fundamental sources of BI and surveys the new frontiers of data management and analytics, while introducing techniques and tools used to transform data into actionable information.

BIA 765. Information Systems and Data Analytics in Healthcare. 3 credits.

This course explores the current healthcare environment through both the payer and provider perspectives. Using strategic tools, data analytics, and information systems, students will gain insight into innovative and practical techniques for combating and exploiting current healthcare industry challenges and opportunities via technology.

BIA 766. Graduate Internship. 1-3 credits.

This course is intended to provide graduate-level credit for significant program-related practical experience, coupled with a research component that utilizes the context of this practical experience as its primary vehicle of inquiry. Students must work a minimum of 150 hours for the sponsoring employer during the semester. In addition, the student must complete a research project related to this work, which has been planned and carried out under the direction of a graduate faculty supervisor, with the approval and cooperation of the sponsoring employer. The student's internship employment and faculty supervision for the research component must be arranged before registration for the course will be allowed. The course is graded Satisfactory/Unsatisfactory and only 3 hours of internship credit may be used to satisfy graduation requirements. P: IC and approval of the Associate Dean for Graduate Business Programs.

BIA 770. Cybersecurity. 3 credits.

This course will provide students with a solid technical understanding of cybersecurity or computer security. Students will gain an understanding of security concepts and explore a variety of technical tools that cover a wide range of security topics including governance, network security, database security, application security, cryptography, access controls, and incident and disaster response. P BIA 731 or IC.

BIA 772. Data Visual Analysis and Visualization. 3 credits.

Information Visualization is an active, hot area in BIA. The presence of big data in business today, along with the need for fast, accurate, and timely decisions based on information make information or data visualization critical. However, this is a new field for business. It is in its infancy, and that means while there are good examples of it out there, there are more bad examples. As a result, there is much to be learned. P: BIA 741 or IC.

BIA 775. Managing Business Transformations and Innovations. 3 credits.

This course provides insights and strategies for managing IT-driven business transformation and innovations. Students will glean a perspective of the strategic value and role of IT in triggering and promoting business change and how to manage this process. Case analysis and student-participation approaches are used to bring out key issues and approaches germane to business transformation. P: BIA 760.

BIA 780. Applications of Artificial Intelligence. 3 credits.

This course will provide a survey of the theory and applications of artificial intelligence in the business decision environment, with an emphasis on artificial neural networks. Students will engage in reviews of current expository and research literature in the area and will attain hands-on experience with computer packages supporting the creation of these types of systems. Neural network design projects will be required of all students. P: Calculus and demonstrated proficiency in programming.

BIA 782. Database Management Systems. 3 credits.

Organizations must manage their data resources effectively in order to remain competitive. The efficient design, deployment, use and management of database systems requires an understanding of the fundamentals of database management systems, techniques for the design of databases and principles of database administration. This course emphasizes the fundamentals of database modeling, design, and development, the languages and utilities provided by database management systems, and the techniques for implementing and managing database systems. Although primary emphasis will be on relational database management systems, the object-oriented and distributed models will also be examined. P: BIA 731 or IC. Note: The program director may waive BIA 782 and require an additional BIA elective for students who have successfully completed MIS 354 or an equivalent course.

BIA 784. User Interface Design for the Web. 3 credits.

Everything we used is designed by someone else. Any person who wants to design for others must develop a high degree of sensitivity of the nuances of good and bad design. This course specifically targets such nuances with respect to humans, information systems and interfaces. The human and task factors that must be considered and explicitly incorporated into user interfaces will be explored. Future trends in user interfaces will also be discussed. P: BIA 734 and BIA 788.

BIA 785. Wireless Technologies and Mobile Commerce. 3 credits.

This course will explore the impact of wireless and mobile e-commerce on the ways in which business is conducted in this electronic era, as well as the technologies involved in developing systems that will support this way of doing business. The course aims to provide the student with a balanced coverage on both the managerial and technical issues relevant to wireless and mobile e-commerce. P: One semester of a programming language or equivalent experience in C, C++, Java, Visual Basic or some or some other modern programming language.

BIA 786. Telecommunications Infrastructure. 3 credits.

This course is designed to provide the student with an understanding of the technical and managerial aspects of business data communications and networks. This course will prepare a student, by providing them with examples of network concepts, design and planning of networks to meet the enterprise needs. P: BIA 731 or IC.

BIA 787. Business Process Management. 3 credits.

As Jack Welch put it "The power of your company is contained in the processes themselves." This course is designed to provide the student with the tools they need to effectively analyze, improve, and redesign business processes to improve business performance. Students will learn and use business process management techniques such as business modeling, six sigma techniques and change management. Case studies, practical hands on experience with business process modeling techniques and tools will be used in class to prepare the student for a business process management project in which the students will work with a company or public institution to evaluate their current processes and develop process recommendations for this institution, a plan to implement these changes and a change management plan to gain the buy in of the employees and stakeholders. P: BIA 731 or IC.

BIA 788. Business Information Analysis and Process Design. 3 credits.

This course is an applied study of the process of information systems development using project management techniques. Lectures, discussions, readings and exercises will address the areas of information analysis, requirements determination, detailed logical design, physical design, implementation planning, computer technology, project management and organizational behavior. Through regular deliverables associated with the cumulative project file of a running case, students will follow a widely used structured development methodology (the data flow diagramming approach) in conducting team-oriented systems analysis and design projects. P: BIA 731 or equivalent.

BIA 789. Seminar: Advanced Topics in Information Technology Management. 3 credits.

The content of this course will vary depending on the topic and instructor. With the permission of the instructor, the course can be repeated one time for credit, provided the course content is different. P: The prerequisites will depend on the course content.

BIA 790. Information Technology Projects. 3 credits.

In this course the student undertakes a significant research project under the guidance of a faculty mentor. The project will deal with topics in information technology that are significant value to businesses. Established research methodologies will be used in identifying, examining, synthesizing, and disseminating information. P: IC.

BIA 792. Database Warehousing and Advanced Database Systems. 3 credits.

This course explores data management and Integration through the lens of data warehousing, data processing techniques, and emerging database systems. It also surveys the new frontiers data management and introduces techniques and tools used to transform data into actionable information. P: Knowledge of Database concepts or IC.

BIA 795. Independent Study and Research. 1-3 credits.

This course is for the study of topics that do not enjoy regular course offerings. P: IC and approval of the M.S.-BIA Program Director.

BIA 799. Master's Thesis. 1-3 credits.

Students wishing to pursue the thesis option for satisfaction of degree requirements are responsible for identifying a BIA faculty member who is willing to supervise the thesis. Acceptance of thesis supervision responsibility is at the sole discretion of the faculty member. Hence, the thesis option may not be available for all interested students. Prior to enrollment in the thesis course a written proposal for the thesis must be approved by a majority of the BIA program faculty. Pursuant to a defense of the thesis, the completed thesis must be approved by a majority of the BIA program faculty before a grade is assigned. Thesis students will be required to enroll in BIA 799 in two consecutive semesters, normally their final two semesters in the program. Only three of these hours may be used toward the fulfillment of elective course requirements.

Master of Science in Business Intelligence and Analytics

The Master of Science (M.S.) in Business Intelligence and Analytics (BIA) consists of 33 credit hours. All students complete the 12 hours of Core components and select 21 hours of Electives that are consistent with their career interests.

Core Courses

| | | |
|---------|-----------------------------------------------|---|
| BIA 762 | Survey of Business Intelligence and Analytics | 3 |
| BIA 772 | Data Visual Analysis and Visualization | 3 |
| BIA 782 | Database Management Systems | 3 |
| MBA 776 | Business, Ethics and Society | 3 |

Electives (21 Credit Hours)

| | | |
|---------|--------------------------------|---|
| BIA 731 | Information Systems Management | 3 |
|---------|--------------------------------|---|

Students should select Elective courses based on their area of interest. At least 15 hours must be other 700-level BIA courses. Note that students who have not successfully completed BIA 253 (undergraduate BIA survey course) or an equivalent course **MUST** take BIA 731 as an elective. The remaining 6 hours of Electives may be selected from other 700-level MBA courses; MIM 722, MIM 724, MIM 726, MIM 730, or MIM 732; or 500-level courses taken for graduate credit (ACC 516, ACC 521, ACC 538, ACC 544, or ACC 579; ECO 538; or FIN 558).

| | | |
|---------------|--|----|
| Total Credits | | 33 |
|---------------|--|----|

Graduate Certificate in Business Analytics

The graduate certificate in Business Analytics consists of 15 credit hours of graduate course work. Students approved to enroll in business graduate-level courses at Creighton are eligible to enroll in this certificate program. During the course work students are required to work on projects that involved real-world data sets. This certificate is designed for students who wish to engage in data and information analysis, explore and develop basic data-driven models for predicting outcomes and events, and obtain a good understanding of analytics that can be applied in various parts of a business to achieve operational efficiencies and enhance decision making.

Graduate Certificate in Business Analytics Requirements (15 Credits):

Each of the following courses:

| | | |
|---------|-----------------------------------------------|---|
| BIA 762 | Survey of Business Intelligence and Analytics | 3 |
| BIA 782 | Database Management Systems | 3 |

| | | |
|---------------------------------|---------------------------------------------|----|
| BIA 772 | Data Visual Analysis and Visualization | 3 |
| Two courses from the following: | | 6 |
| BIA 741 | Introduction to Business and Data Analytics | |
| BIA 742 | Predictive Analytics | |
| BIA 746 | Applications of Optimization Modeling | |
| BIA 780 | Applications of Artificial Intelligence | |
| BIA 784 | User Interface Design for the Web | |
| Total Credits | | 15 |

Christian Spirituality

Program Director: Eileen C. Burke-Sullivan

<http://www.creighton.edu/christianspirituality/>

Graduate Study in Christian Spirituality

Creighton University's graduate program in Christian Spirituality holds as its primary value the integration of these three elements:

1. a thorough knowledge of Christian Spirituality based on Scripture, Church Tradition and Christian heritage, contemporary theology and psychology with an emphasis on Ignatian Spirituality;
2. experiential appropriation of the mysteries of the Christian faith, grounded in human development through reflection, prayer and communal worship;
3. an apostolic orientation directed toward more effective ministry skills especially toward preparation for giving spiritual direction and directed retreats. These are not viewed as successive stages or compartments but as a lived synthesis of mind, heart and mission.

Program Goals

At the completion of their program, the graduates will:

1. Master the skills required to deliver spiritual direction in the contemplative evocative manner in an individual retreat setting and adhere to Spiritual Directors International's Standard of Ethical Practice (Certificate program).
2. Analyze, interpret, and critique advanced scholarly writing in the field of study of Christian Spirituality.
3. Effectively communicate information within the field of Christian Spirituality to specialists and non-specialists alike, both orally and in writing.

Admission

Prerequisites for Admissions

A baccalaureate degree; 12 recent credits in: Old Testament, New Testament, Theological Ethics and some type of Contemporary Christian Theology; Share the spiritual goals of the program. In addition, Certificate candidates must be 30 years of age, have a history of two years of regular spiritual direction and currently receiving spiritual direction.

An 8-day silent retreat is required before beginning the second summer of Certificate study. It is recommended, but not required, that candidates complete an 8-day silent, directed retreat prior to entering the program.

Admission Requirements

All applicants must provide three letters of recommendation addressing their life of faith and prayer in addition to the usual credentials for admission to the Graduate School. It would be helpful to the admission committee if the applicant provided a short letter of introduction

explaining their reasons for seeking the degree and or certificate. All materials should be sent to the Graduate School.

Degree in Christian Spirituality

- Master of Arts with a Major in Christian Spirituality (p. 70)

Certificate offered through Christian Spirituality

- Certificate in Spiritual Direction and Directed Retreats (p. 70)

Courses

CSP 660. Dreams and Spiritual Growth. 1-3 credits. SU (Same as THL 660)

This course will explore the significance of dreams in discerning spiritual growth. Some attention will be given to the role of dreams in scripture and Christian tradition. The primary aim of the course is to familiarize participants with the psychology of dreaming and with contemporary methods for discerning the religious meaning of one's dreams: in one's own spiritual growth and development as well as in working with dreams in the context of spiritual direction.

CSP 661. T'ai Chi Chih: Joy Through Movement. 1 credit. SU (Same as THL 661)

T'ai Chi Chih's body movement meditation releases stress by relaxing the body and refreshing the mind. The twenty simple movements can be done by all regardless of age and physical condition.

CSP 663. Pastoral Approaches To Psychopathologies. 1-3 credits. SU

Overview of the more usual sorts of abnormal behaviors likely to be encountered in counseling sessions conducted by pastors and spiritual directors. Diagnosis, treatment techniques, referrals. Emphasis on cases presented by students and on practical modes of intervention. P: CSP 780 or equiv.

CSP 664. Spirituality of John. 1-3 credits. SU (Same as THL 664)

Course examines themes from writings of John central for spirituality.

CSP 665. Prayer and Priestly Identity. 1-3 credits. SU

This course aims to form participants in a whole-hearted embracing of the distinctive spirituality of the diocesan priesthood as that relates to the unique identity of the diocesan priesthood, so as to help foster a more effective exercise of pastoral authority and charity in the service of the Church.

CSP 666. Centering Prayer And The Experiencing Of God. 1 credit. SU (Same as THL 666)

Contemplative practices such as Lectio Divina and centering Prayer, which directly cultivates the experience of God's presence and extend the interior silence of prayer into daily life. Additional topics include prayer as relationship, the experience of the Dark Night, and fruits of contemplative prayer in daily activity.

CSP 667. Contemplative Theological Reflection. 1-3 credits. SU (Same as THL 667)

Through the development of the skill of contemplative theological reflection, CSP students learn to reflect on their personal and ministerial or work experiences to discern the call of transformation and integration in the midst of the Christian tradition and world realities. This is a personal and group process and takes place in a peer faith setting.

CSP 669. Salesian Spirituality. 1-3 credits. SU (Same as THL 669)

Introduction to the Salesian spiritual tradition co-founded in the 17th century by Francis de Sales and Jane Chantal. Seminal texts such as the Introduction to the Devout Life and the lives of the founders will backdrop discussion of central Salesian themes as resources for contemporary living.

CSP 670. Art and Spirituality. 1-3 credits. OD, SU (Same as THL 670)

With an experiential, hands-on format using watercolor and other art media this course provides an opportunity for right-brain expressions of prayer, spiritual understanding, and experience of God.

CSP 671. Yoga. 1 credit. SU

At the core of Hatha Yoga is the integration of mind and spirit. Yoga is a tool for bringing awareness to the self and relationships both spiritual and emotional. As a tool for spiritual growth and wellness this course is designed to teach students the fundamental practices of Yoga. Through these practices students will develop an understanding of how to integrate yoga into spiritual awareness and spiritual direction.

CSP 672. True Self/ False Self: The Enneagram and Spiritual Transformation. 1 credit. SU

Within the True Self./ False Self framework, the Enneagram will be appropriated as a vehicle for spiritual growth and transformation. Topics will also include the Enneagram in Discernment and Spiritual Direction.

CSP 673. Spiritual Dialogue: East Meets West. 1-3 credits. SU (Same as THL 673)

Overview of perspectives and practices from Eastern wisdom that have parallels in Christianity and can deepen prayer experiences, as well as Eastern ideas that challenge Christian beliefs.

CSP 675. Spirituality of Luke-Acts. 3 credits. SU (Same as THL 675)

Study of the spirituality implicit in Luke's two-volume masterpiece. Focus on God, Jesus, Holy Spirit, discipleship, possessions, community, mission, the Christian reading of the Hebrew Scriptures, and how narrative is a vehicle of theology and spirituality.

CSP 676. Giving 19th Annotation Retreats. 1 credit. SU

How to give retreats to people in everyday life according to Annotation 19 of the Spiritual Exercises of St. Ignatius.

CSP 677. Spirituality, Psychological Foundations, and Practice of Forgiveness. 1-3 credits. SU (Same as THL 677)

The imperative to forgive is central to Christian identity, discipleship, and building authentic intimacy with God and others. This course explores spiritual, theological, and psychological perspectives on forgiveness. Through journaling, prayer, guided reading/reflection, and class discussion, students will be encouraged to develop, practice, and personally appropriate a spirituality of forgiveness.

CSP 678. The Spirituality of Paul. 1-3 credits. SU (Same as THL 678)

A study of the Pauline correspondence to analyze what these letters imply regarding the gospel vision as a way of seeing that leads to a way of being. Special attention to Paul's Jewish background and his use of that tradition to explain Jesus as the climax of the covenant and his way as the fullness of human being; creation, community, cross, new creation.

CSP 679. Focusing. 1-3 credits. SU

This course will explore, through experiential practice, lecture, and discussion, the dimension of felt meaning carried in the body that, attended to in a caring way, becomes a bridge to deeper understanding and growth in Christian spirituality.

CSP 680. Women and the Bible. 1-3 credits. (Same as THL 518, WGS 518)

Study of select biblical traditions that represent women and/or prescribe women's behavior, with attention to ancient gender constructs; the primary focus will be exploration of diverse women's readings of biblical texts and their implications for Christian spirituality.

CSP 690. Supervision For Spiritual Directors. 1-3 credits.

A workshop for spiritual directors who are interested in acquiring or improving the skills necessary to supervise others in this ministry.

CSP 691. Eco Spirituality. 1-3 credits. SU

This course explores emerging environmental spirituality within the broad Christian spiritual tradition. The course considers the Christian understanding of the relationship between humans and non-human nature. It also considers Christian practices that can be re-imagined to foster sustainable living.

CSP 698. Introduction to Writing for Spirituality. 1 credit.

Through a combination of group classes and individual appointments, the course provides a tutorial in graduate writing for Christian Spirituality. General stylistic concepts are taught and practiced on the students' assigned papers. Tools such as using writing partners, reading text aloud, developing a distinctive writing voice and other important elements of writing analysis, integration and synthesis essays will be introduced and practiced.

CSP 699. Writing for Spirituality. 1 credit.

A course for students which offers an opportunity for individual mentoring in the skills necessary to complete capstone essays in graduate-level English where emphasis is placed on writing that is the fruit of reflection on both academic study and personal appropriation.

CSP 702. The Gospel of Mark. 3 credits. OD, SU

In-depth study of the earliest gospel, using historical, literary and theological perspectives. Special attention to Mark's use of the Old Testament, his interpretation of Jesus and the Church, and the implications for using this text for Christian life and worship today.

CSP 715. Marian Spirituality. 1-3 credits. SU (Same as THL 715)

This course will explore "Mary as mother and teacher of the spiritual life," e.g., Mary and the Holy Spirit, Mary's virtues, Mary as first disciple of the Lord, as Servant of the Lord, and as Model of the Church. This course likewise studies the various expressions of Mary's place in the universal call to holiness, e.g., the "Marian thread" in the lives of the Saints, with a special emphasis on the new Saints and Blesseds of Pope John Paul II.

CSP 716. Spirituality of Reconciliation: Global and Social Perspectives. 1-3 credits. SU (Same as THL 716)

Explores biblical, sacramental, theological and spiritual dimensions of Christian reconciliation. Examines global case studies of Christian social reconciliation such as South Africa, Northern Ireland, Rwanda, and the American South. Students will be asked to develop a spirituality of social reconciliation for their own local Christian communities.

CSP 717. Jungian Psychology and Christian Spirituality. 3 credits. SU (Same as THL 717)

This course will explore the relationship between major aspects of Jung's psychological theory and Christian Spirituality. The principal aim of the course is to familiarize participants with basic concepts of Jungian psychology and to assimilate what is most useful in Jung for pastoral practice, one's own spiritual life and development as well as spiritual direction. Some films and fairytales will be used to convey concepts.

CSP 718. A Theology and Spirituality of Conversion. 3 credits. SU (Same as THL 718)

Freedom to respond to the grace of conversion into the likeness of the Son of God is the hallmark of Christian discipleship and the hoped for outcome of spiritual direction in general and the Spiritual Exercises in particular. To balance theory with practice we will examine Ignatius of Loyola's human and spiritual conversion. Students will apply course work to their personal growth and development so as to better prepare for the ministry of spiritual direction.

CSP 719. Catholic Devotions in a Global Context. 1-3 credits. SU

Theological, historical and practical consideration of the rich devotional traditions of the global Catholic Church. Attention given to the role devotions play in the spiritual life, the variety of cultural forms devotions take and preparation of the spiritual guide to discern the place of devotions in a director's life.

CSP 720. Celtic Spirituality. 1-3 credits. SU

This course explores the wisdom of the Celtic Saints and their holistic approach to God, the earth, life, and others. Students will examine the principal characteristics of this early Christian spirituality as it found expression in the *Carmina Gadelica* and the lives of men and women shaped by Christianity's conduct with the culture of the Celtic people.

CSP 721. The Marian Dimension of Spiritual Direction. 1 credit. SU

What is Mary's place in Spiritual Direction? This course will explore Mary in the life of the Spiritual Director and develop new awareness of her place in the contemplative method of Spiritual Direction.

CSP 722. Mary in the Life of St. Ignatius. 1 credit. SU (Same as THL 722)

This short course will explore Mary in the life of St. Ignatius by investigating his autobiography and other writings. It is written, "Ignatius dreamed of a lady who was for him the doorway of the graces he would receive throughout his life. He asked Mary to grant his greatest desire, "to deign to place him with her Son.

CSP 723. Creating a Preached Retreat. 1 credit. SU

This practical course is designed to help a prospective director create a preached retreat experience of two to three or more days based on the dynamic of the Spiritual Exercises of St. Ignatius.

CSP 760. Scriptural Foundation Of Christian Spirituality. 3 credits. SU (Same as THL 760)

Introduction to Scripture, especially the New Testament, as the foundation to all Christian Spirituality. Faith, prayer, Holy Spirit, Church, centrality of Christ.

CSP 761. Liturgical Foundation Of Christian Spirituality. 3 credits. SU (Same as THL 761)

An exploration of the Church's liturgical prayer life as an important basis and foundation for Christian Spirituality.

CSP 762. Doctrinal Foundation Of Christian Spirituality. 3 credits. SU (Same as THL 762)

This course examines the foundational doctrines of faith, such as, the Trinity, the divine and human Jesus, salvation by Christ, God's activity in history, the Holy Spirit, and explores their relevance for the Christian spiritual journey, including the relationship to God, to all humanity and to the entire created universe.

CSP 764. Prayer And Christian Spirituality. 3 credits. SU (Same as THL 764)

Using classical and contemporary texts in Christian Spirituality, course studies the theology, methods, stages and dynamics of personal prayer and mysticism.

CSP 765. Prayer, Intimacy, And True Christian Growth. 3 credits. SU (Same as THL 765)

The connection between spiritual and human growth, the necessity of keeping a relationship with Christ, and concrete simple ways of doing it each day.

CSP 766. Contemplation In The Christian Tradition. 3 credits. SU (Same as THL 766)

Course examines approaches to contemplation in classical and contemporary texts. Among authors and texts studied are the following: Pseudo-Dionysius, Cloud of Unknowing, Meister Eckhart, Teresa of Avila, John of the Cross. P: CSP 764 or CSP 765 or equiv.

CSP 767. Spanish Mysticism. 3 credits. SU (Same as THL 767)

Study of Ignatius of Loyola, Teresa of Avila and John of the Cross, discussing their spirituality, teachings on prayer, and understanding of human life as a pilgrimage with Jesus, ending only when total union with God is reached. P: CSP 764/THL 764 or CSP 765/THL 765 or equivalent.

CSP 769. The History Of Christian Spirituality. 3 credits. SU (Same as THL 769)

Development from post-apostolic age to the present. Some of the classics of Christian Spirituality.

CSP 770. Called To Holiness: The Christian Vocation. 3 credits. SU (Same as THL 770)

Saints, ways to sanctity, past and present. The Communion of Saints. NOTE: This course fulfills the requirement for a course in the History of Spirituality.

CSP 773. The Theology Of The Spiritual Exercises Of St. Ignatius. 3 credits. SU (Same as THL 773)

Theology, interpretations, commentators, structure, with practical applications. Students will draw greater benefit from this course if they have a prior experience of the Spiritual Exercises either in an individually directed silent retreat or an extended retreat in daily life.

CSP 776. Discernment Of Spirits: Theory And Practice. 3 credits. SU (Same as THL 776)

Study of the tradition of discernment in the Church with special emphasis on the rules for discernment of spirits in the Spiritual Exercises and the application of these to Christian life and practice.

CSP 778. Biblical Roots For Peace And Justice Ministry. 3 credits. SU (Same as THL 778)

How to use Scripture responsibly in approaching the social and planetary issues of the third millennium. Sample topics: creation and ecology, violence and nonviolence, hunger and stewardship, conscience and civil authority, option for the poor. Opportunity for special issue study.

CSP 779. Spirituality And Social Concerns. 3 credits. SU (Same as THL 779)

Reflections on the practice of spiritual direction, retreat leadership, and other pastoral ministries in light of themes of justice, peace and solidarity in scripture, Christian history, Catholic social teaching, and human experience. Investigation of how the reality of social injustice affects the private and public dimensions of the spiritual life. Emphasis on personal appropriation and leadership development so that students may integrate knowledge that gain into the ministries.

CSP 780. Introduction to Counseling for Spiritual Directors. 3 credits. SU

Theory and practice of the dynamics of personal counseling. Analysis of the likenesses and differences between spiritual direction, spiritual counseling, pastoral counseling, and counseling. Helping methods based on Scripture and personality sciences. Practical acquisition of facilitating behaviors of understanding and listening.

CSP 781. Pre-Practicum In Spiritual Direction And Directed Retreats. 3 credits. SU

Preparation for work in spiritual direction and in giving directed retreats. Students must be receiving spiritual direction themselves for at least two years and also have made at least one eight-day directed retreat. P: CSP courses including CSP 773; CSP 780 or equiv.; and prior consent of Coordinator of Practica; P or CO: CSP 776.

CSP 782. Post-Practicum In Spiritual Direction And Directed Retreats. 3-4 credits. SU

Follows a year of receiving supervision in offering spiritual direction and giving directed retreats. A deepening of knowledge and skills needed to offer spiritual direction and directed retreats. P: CSP 781 and consent of Coordinator of Practica.

CSP 783. Spiritual Direction Within The Family System. 3 credits. SU

Course focuses on the spiritual aspects of who we are in light of the family we come from. Overview of how one integrates spirituality into one's family life. Topics include: The Implications of Family Stories; A Framework for Working With Family of Origin in Spiritual Direction; Family Loss From Resistance, Death, Anger.

CSP 784. The Twelve Steps And The Spiritual Exercises Of St. Ignatius. 1-3 credits. SU

Course examines the Twelve Steps of Alcoholics Anonymous against the backdrops of the Spiritual Exercises. First half of class is an experience of meeting on one of the steps; second half is reflection on the step in light of the Spiritual Exercises.

CSP 785. Psychological Dynamics Of Spiritual Growth. 3 credits. OD, SU (Same as THL 785)

This course seeks to develop a comprehensive overview of contemporary authors who have developed perspectives on the interface between psychology and spirituality. Such authors will include: Merton, Nouwen, Rupp, and vanKaam.

CSP 786. Family Spirituality. 1-3 credits. OD, SU (Same as THL 786)

Designed for both those who are families and those who minister to families. Key questions: What are the elements of a spirituality derived from within the experience of family? What is the relationship between such a spirituality and the classic traditions of Christian spirituality? How do the family ("the domestic church") and the wider church community serve, enrich and enable each other?

CSP 787. Evangelization through Mercy. 3 credits.

By declaring a Jubilee of Year of Mercy, Pope Francis, like Prophet Micah and Our Lord Jesus Christ before him, has not only challenged Christians in particular and people of good will in general to come to a deeper intellectual appreciation of God as Compassionate, but also to strive to become as compassionate as God is (Micah 6:8; Luke 6:36), and to contribute toward building a more compassionate world. Toward these ends, this course will walk students through: the meaning of evangelization, mercy and spirituality; trends and paradigms in the practice of evangelization; biblical and theological bases of the mission of evangelization; the content; agents and audiences of the mission of evangelization; methods and means of evangelization; and contexts of evangelization. To facilitate a more practical engagement with the themes of the course, students will be challenged to both appropriate and/or come to clarify a spirituality, and to adopt a paradigm/s of evangelization, demonstrating its/their use in contexts of evangelization of their choice.

CSP 789. Spirituality for Americans: Thomas Merton's Contemplative Vision. 3 credits. OD, SU (Same as THL 789)

The relevance of Merton for contemporary American spirituality. Merton in context of the American experience: his life, writing and thought as guidelines for living the Gospel today. Special attention to themes of True Self, Contemplation and Non-violence.

CSP 790. Spiritual Formation. 1-3 credits. OD (Same as THL 786)

The nature and dynamics of spiritual formation, emphasizing personal developmental aspects of spiritual growth. Practical aspects of the spiritual life: spiritual identity, spiritual consciousness, holistic spirituality. Theoretical perspective on formative relations in structured situations: religious formation, seminary formation, spiritual formation in parishes. Formation issues: spiritual growth through stages of the life cycle, sexuality and chastity, conflict and community, suffering and death, work and ministry.

CSP 791. Spirituality and Sexuality. 1-3 credits. OD, SU (Same as THL 791)

As body-persons, all men and women are called to integrate the various dimensions of our human existence within a thought out/lived out perspective, i.e., a spirituality. For various historical, cultural, and religious reasons incorporating our sexuality can be challenging, even problematic. Through lecture, guided reading/reflection, class discussion, and writing, students will be encouraged to develop their personally meaningful spirituality of sexuality.

CSP 793. Directed Independent Readings. 1-3 credits. OD, SU

To be arranged. P: DC and IC.

CSP 795. Directed Independent Study. 1-3 credits. OD, SU

To be arranged. P: DC and IC.

CSP 797. Directed Independent Research. 3 credits. OD, SU

To be arranged.

Master of Arts with a Major in Christian Spirituality

The degree requires 33 credit hours of course work. The courses are distributed so that one can finish the degree in three summers. Students are encouraged to make a personally directed retreat before or during the first year of the program. Students are required to make a personally directed retreat of eight days, under an approved director, during the program. No thesis is required, but an integrating essay of approximately 25 pages is required at the conclusion of the program.

M.A., Major in Christian Spirituality course requirements (33 credits):

| | | |
|------------------------------|-------------------------------------------------|---|
| CSP 776 | Discernment Of Spirits: Theory And Practice | 3 |
| Select one of the following: | | 3 |
| CSP 760 | Scriptural Foundation Of Christian Spirituality | |
| CSP 761 | Liturgical Foundation Of Christian Spirituality | |
| CSP 762 | Doctrinal Foundation Of Christian Spirituality | |
| Select one of the following: | | 3 |
| CSP 769 | The History Of Christian Spirituality | |
| CSP 770 | Called To Holiness: The Christian Vocation | |
| Select one of the following: | | 3 |
| CSP 764 | Prayer And Christian Spirituality | |
| CSP 765 | Prayer, Intimacy, And True Christian Growth | |
| CSP 766 | Contemplation In The Christian Tradition | |
| Select one of the following: | | 3 |

| | | |
|---------------|----------------------------------------------------------------|----|
| CSP 778 | Biblical Roots For Peace And Justice Ministry | |
| CSP 779 | Spirituality And Social Concerns | |
| CSP 716 | Spirituality of Reconciliation: Global and Social Perspectives | |
| Electives | | 18 |
| Total Credits | | 33 |

Theology courses that may be taken for completion of CSP requirements and elective are currently cross-listed with both THL and CSP numbers. CSP students may also take a limited number of the following courses listed in the Master of Arts in Ministry (MAM) program to complete their electives with permission of the directors of both CSP and MAM programs: MAM 610 Introduction to the Old Testament, MAM 620 Introduction to New Testament, MAM 650 Moral Theology and Decision Making, MAM 660 Worship, Liturgy and Sacrament, MAM 676 Theology and Catechesis, MAM 680 Ministerial Ethics and Leadership Skills, MAM 761 Historical Development of Fundamental Doctrine, MAM 780 Christian Prayer and Spirituality.

Graduate Certificate in Spiritual Direction and Directed Retreats

The graduate certificate in Spiritual Direction and Directed Retreats is granted when the candidate completes all courses satisfactorily and has competently demonstrated ministerial skills and attitudes deemed essential for spiritual direction by the program administration. The development of these ministerial skills and attitudes will be assessed by all the faculty - in particular by the counseling and practica faculty - along with the candidate's intellectual knowledge and personal appropriation of course materials and the contemplative evocative approach to spiritual direction.

Certificate in Spiritual Direction and Directed Retreats course requirements (18 credits):

| | | |
|------------------------------|-------------------------------------------------------------------------|-------|
| CSP 780 | Introduction to Counseling for Spiritual Directors | 3 |
| CSP 773 | The Theology Of The Spiritual Exercises Of St. Ignatius | 3 |
| CSP 776 | Discernment Of Spirits: Theory And Practice | 3 |
| CSP 781 | Pre-Practicum In Spiritual Direction And Directed Retreats ¹ | 3 |
| CSP 782 | Post-Practicum In Spiritual Direction And Directed Retreats | 3-4 |
| Select one of the following: | | 3 |
| CSP 764 | Prayer And Christian Spirituality | |
| CSP 765 | Prayer, Intimacy, And True Christian Growth | |
| CSP 766 | Contemplation In The Christian Tradition | |
| CSP 791 | Spirituality and Sexuality | |
| Total Credits | | 18-19 |

¹ Students are required to apply for admission to CSP 781 Pre-Practicum In Spiritual Direction And Directed Retreats. Only students who have successfully completed CSP 781 Pre-Practicum In Spiritual Direction And Directed Retreats and received the approval of the Director of Practica are authorized to begin the practicum.

Clinical Anatomy (M.S.)

Program Director: Dr. Thomas Quinn
Program Office: Criss II, Room 113

Graduate Study in Clinical Anatomy

The Master's Program in Clinical Anatomy is offered in the Department of Biomedical Sciences and the collaborating departments of Radiology, Surgery, Pathology, and other clinical departments of their choice. The program curriculum includes human gross anatomy and neuroanatomy, pathology, surgery, radiology, histology, and embryology as related to clinical practice. Students have opportunities to dissect the entire body, to attend autopsies and surgeries, and to participate in case-based discussions of regional anatomy. A portion of the curriculum will also be devoted to lecture techniques, clinical correlations, computer aided instruction, and to the proper and safe preparation and use of preserved and fresh tissue for anatomical demonstration.

Students must begin the program in August with the study of human gross anatomy. The program of study lasts 18 months including the Summer Session of the first year. Students will graduate with a Master's Degree in Clinical Anatomy in December.

Program Goals

Within the context of Creighton as a Jesuit, Catholic University, the Master's in Clinical Anatomy Program offers students the opportunity to correlate didactic and dissection experience with applied clinical anatomy. In addition to anatomical lectures and laboratories, students will participate in clinical sessions within the departments of Surgery, Pathology and Radiology. This program encourages students to pursue personal accountability, professional proficiency and commitment to community.

At the completion of this Program, the graduate will:

1. Have the necessary skills and experience to teach clinically relevant anatomy in any of the Health Sciences.
2. Demonstrate critical thinking and the ability to correlate human gross anatomy and neuroanatomy, pathology, surgery, radiology, histology, and embryology as related to clinical practice.
3. Demonstrate ethical decision making, humanitarianism, and civic responsibility.

Admission Requirements

This course of study primarily is designed for those who wish to continue their professional careers as teachers of clinical anatomy or who will incorporate a significant amount of clinical anatomy teaching into their academic careers. It is also appropriate for those who later intend to pursue further graduate study, to study medicine, or another health care profession. The target group of students also includes those individuals who have had previous graduate training in related fields, but who wish to add practical teaching expertise in clinical anatomy.

Students must have at least a B.S. or B.A. with a strong science component, and have at least a 3.0 grade point average. Students are required to take the Graduate Record Exam (GRE) or an equivalent professional school entrance exam (e.g., MCAT). Graduates of foreign universities for whom English is not the first language are required to take the TOEFL examination.

Degree in Clinical Anatomy

- Master of Science with a Major in Clinical Anatomy (p. 72)

Courses

CAN 602. Human Gross Anatomy. 6 credits. (Same as BMS 602)

Detailed structure of the human body. Dissection of the cadaver combined with conferences, lectures, and assigned readings. 4R, 9L. P: IC.

CAN 603. Microscopic Anatomy. 2,4 credits.

This course provides a comprehensive examination of the light microscopic anatomy and ultrastructure of cells, tissues, and organs. A combination of lectures, discussions, and laboratories is employed with a major focus on a laboratory experience using the light microscope. P: Gr. stdg.

CAN 621. Teaching Practicum In Medical Anatomy. 4-5 credits.

Practical experience in teaching human gross anatomy. The students will demonstrate the prosected bodies which they dissected during the previous summer. Each student will also assist with tutorials, test preparation and grading. Students will be required to prepare for each laboratory session and to actively assist the first-year medical students in the laboratory. Students will be evaluated by the medical students as well as by the course faculty. P: IC.

CAN 626. Clinical Embryology. 2 credits.

This is a course in human anatomy designed to provide students with insight into the important correlation between human development anatomy and gross anatomy. The course will cover development of all of the systems of the body. The fetus, placentation, birth and delivery also will be dealt with. Major congenital malformations will be discussed in detail. P: IC.

CAN 629. Anatomical Techniques And Topics. 2 credits.

The proper preparation, care and preservation, for gross anatomical specimens will be dealt with. Techniques by which individual systems and tissues may be demonstrated and used by the students in this course. These techniques will include latex and corrosion casting, prosection preparation, and long-term preservation of specimens. Students will learn basic embalming techniques and formulation of preservation fluids. Management of body donation programs and interaction with the public will be discussed as will the ethics of human tissue use. The management and safe use of fresh tissue dissection facilities will be discussed. Students will participate in the design of a modern facility for clinical anatomy study. P: IC.

CAN 630. Human Neuroanatomy. 4 credits.

Functional neuroanatomy, neurophysiology, and neuroembryology will be covered to examine how the nervous system controls behaviors. The course goal is to understand normal neurological function and then to be able to diagnose a patient's symptoms and to locate the source of the problem within the nervous system. P: Human Anatomy and IC.

CAN 640. Clinical Rotations And Discussion Group. 2,4 credits.

This course provides opportunities to experience day to day applications of gross anatomy in the clinical specialties of surgery, radiology, and pathology. Weekly discussions of the various cases will be held during which the pertinent anatomical correlations will be analyzed as will methods of best conveying to health sciences students the clinical information gained. Students will be expected to write a synopsis of each case and conduct the necessary literature research for a current relevant bibliography. P: IC.

CAN 645. Education Techniques In Clinical Anatomy. 2 credits.

The opportunity to design and implement educational techniques appropriate for lecture, small group, and laboratory applications. Each student will prepare and deliver two formal lectures which will be videotaped and constructively critiqued by faculty and peers. Approaches to computer-aided educational techniques will be considered as will specific teaching strategies for traditional lectures and tutorials. P: IC.

CAN 792. Current Topics In Clinical Gross Anatomy. 1-3 credits.

Provides a discussion group which is focused on current literature in clinical anatomy, surgery, pathology and radiology as it directly pertains to the study and clinical application of anatomy in the health sciences. P: IC.

CAN 797. Clinical Anatomy Independent Research. 1-6 credits.

Original investigation under supervision and guidance of individual staff members. Laboratory and conferences. P: IC.

Master of Science with a Major in Clinical Anatomy

Semester One (Students must begin in Fall Semester)

| | | |
|---------|------------------------------------------|---|
| CAN 602 | Human Gross Anatomy | 6 |
| CAN 626 | Clinical Embryology | 2 |
| CAN 792 | Current Topics In Clinical Gross Anatomy | 2 |

Semester Two (Spring Semester)

| | | |
|---------|------------------------------------------|---|
| CAN 630 | Human Neuroanatomy | 4 |
| CAN 640 | Clinical Rotations And Discussion Group | 2 |
| CAN 645 | Education Techniques In Clinical Anatomy | 2 |
| CAN 792 | Current Topics In Clinical Gross Anatomy | 2 |

Semester Three (Summer Semester)

| | | |
|---------|------------------------------------------|---|
| CAN 629 | Anatomical Techniques And Topics | 2 |
| CAN 645 | Education Techniques In Clinical Anatomy | 2 |
| CAN 792 | Current Topics In Clinical Gross Anatomy | 2 |

Semester Four (Fall Semester)

| | | |
|---------|----------------------------------------------------|---|
| CAN 603 | Microscopic Anatomy | 4 |
| CAN 621 | Teaching Practicum In Medical Anatomy ¹ | 4 |
| CAN 792 | Current Topics In Clinical Gross Anatomy | 2 |

| | | |
|---------------|--|----|
| Total Credits | | 36 |
|---------------|--|----|

¹ Tuition is waived for these hours since the students will be teaching medical students.

Clinical and Translational Science

Program Director: Devendra K. Agrawal
Program Office: Criss II, Room 501

Graduate Study in Clinical and Translational Science

The Center for Clinical and Translational Science (CCTS) at Creighton University is committed to the cutting-edge multidisciplinary clinical and translational research in a manner that builds upon current science strengths to help bring about an era of personalized medicine. The Center is an innovative resource to support and advance education, collaboration and research in clinical and translational science by pooling existing strengths and expertise together. The goal is to increase the number, quality and diversity of clinical and translational researchers and

promote research and intellectual exchange among diverse professionals that elicit novel approaches to area health care priorities and fostering long-term, bi-directional relationships with academic and community partners. An integral part of this commitment is to identify, educate, and create a mentored environment to develop and enrich the career of next generation of clinical and translational researchers to become independent investigators, and engage the community in clinical research efforts.

Program Goals

Successful scholars in the CTS program will be mentored and supported to write independent research grant applications. Scholars will be enrolled either as full-time or part-time scholars. The CTS graduate program will provide a structured course curriculum. Since the stature comes with recognition of qualifications, successful scholars will earn either a Graduate Certificate, an MS, or a Ph.D. in Clinical and Translational Science. The graduates of the CTS program will:

1. Demonstrate the competence and knowledge in applied biostatistics, federal policies in clinical and translational research, and disparity in global health issues as they pertain to the community;
2. Demonstrate an ability to combine critical thinking, disciplined research, and effective problem-solving both within their field of study and beyond, for use in the service to others;
3. Demonstrate the knowledge of scientific integrity, ethics, and moral values to maintain responsible conduct of research in the field of clinical and translational science following Catholic and Jesuit mission;
4. Demonstrate competency in written and oral communication of their acquired knowledge and research findings in relation to public health issues to scientific and non-scientific audience;
5. Demonstrate deliberate reflection for lifelong personal and professional career in their field of expertise; and
6. Demonstrate an ability to interact and coordinate with a diverse group of colleagues and the ability to respond effectively to the questions and feelings of others.

The MS and Ph.D. graduates will have gained the ability to identify important clinical questions, ability to independently conduct clinical and translational research, develop research protocols, generate pilot data, conduct clinical investigations, ability to critique and interpret findings to non-specialists in their field, analyze and write the results in a publishable form and develop and submit grant proposals.

The Ph.D. graduates will also have mastered the art of writing and publishing critical review articles and original research articles in scholarly journals, and gained knowledge of and expertise in independently developing and conducting original research in clinical and translational science.

Each scholar will select a Graduate Advisory Committee. It will be comprised of four members of the CTS faculty and other qualified faculty within the Health Sciences and other schools at Creighton. The committee members will be selected by the scholar in consultation with the major advisor and in consultation with the Program Director of the CTS program. The Participant Advisory Committee of each scholar will set up educational goals, will provide information about opportunities for conferences, networking and communication, and will provide information about clinical research opportunities and assist the scholar in identifying a focus area.

The scholar will meet in person with his/her major advisor at least once a week. Progress of the scholar will be evaluated at least once every quarter by the scholar's graduate advisory committee. The purpose of such meetings will be to evaluate the scholar's progress and the effectiveness of the CTS graduate program. A written report of each advisory committee meeting will be maintained in the file of the scholar.

Admission Requirements

1. A minimum of bachelor's degree or equivalent, with satisfactory completion of course work in both the biological and chemical sciences.
2. A minimum GPA of 3.0 on a scale of 4.0 is required.
3. The applicant is required to submit results from the Graduate Record Examination (GRE) prior to admission. GRE scores in the 50th percentile or above for the verbal and quantitative parts of the examination are preferred. A minimum score of 3.5 is required for the analytical writing component.
4. The scores of the MCAT, DAT, USMLE or other Health Professional Entrance Examination may be considered in lieu of GRE.
5. GRE will not be required from applicants who hold a professional degree, such as MD, Pharm D, DDS, or Master of Science in Nursing (MSN) or equivalent.
6. The Graduate School requires all students from countries in which English is not the native language to demonstrate competence in English by a minimum of 90 on the Internet-based Test (iBT) TOEFL (Test of English as a Foreign Language) examination at the graduate level.

Each applicant's "Personal Statement" together with prior academic preparation and Letters of Reference will be carefully reviewed by an internal committee chaired by the Program Director, Devendra K. Agrawal. Highly motivated scholars will be selected and the final recommendation to the Dean of Graduate School will be made for their enrollment in the Graduate Certificate, Master of Science, or Ph.D. in Clinical and Translational Science. Selection will be based on:

1. The quality of the applicant's academic and/or clinical record,
2. Quality of applicant's letters of recommendation,
3. Potential for development into an independent clinical and translational researcher focused on patient-oriented clinical research,
4. Commitment to a career in patient-oriented clinical research whether in academia or in a pharmaceutical industry, and interest in disseminating clinical trial outcomes to health-related fields that serve the general community.

Degrees in Clinical and Translational Science

- Doctor of Philosophy with a Major in Clinical and Translational Science (p. 75)
- Master of Science with a Major in Clinical and Translational Science (p. 75)
- M.D.-M.S. (Dual Degree) in Clinical and Translational Science (p. 75)

Certificate in Clinical and Translational Science

- Clinical and Translational Science (p. 76)

Courses

CTS 601. Biostatistics and Analysis of Clinical Data Evidence-based Practice. 3 credits.

The focus of CTS 601 will be on descriptive, parametric and nonparametric bivariate inferential statistics used in medicine and foundational to the empirical "evidence" supporting evidence-based practice. Didactic lectures, class discussions, individual and group projects using empirical data, and presentations to peers will develop analytical skills for evaluating the published empirical research in medicine and related health care disciplines. Emphasis is on identifying the appropriate research design, statistical tests, and interpretation of results, given a specific practice-based question. Course material provides an applied perspective, with examples presented through statistical analytical printouts from actual studies and critiques of selected articles from peer-reviewed journals. Upon successful completion of CTS 601, students will be able to: (1) Interpret descriptive and inferential statistical analyses and apply them to evidence-based practice, (2) Integrate theoretical concepts and knowledge from scientific inquiry, probability theory, and statistical reasoning in the design and critique of empirical research, and (3) Evaluate a focused area of clinical practice by conducting a systematic review of the empirical literature and developing a research proposal and protocol.

CTS 701. Intermediate Biostatistics: Correlational and Multivariate Regression Analyses of Clinical Data. 3 credits. FA

CTS 702. Federal Policies in Clinical and Translational Research. 2 credits. FA

This class will provide a comprehensive overview of the History of Federal Regulations that Govern Human Subject Research. These will include: (1) Research Ethics, (2) Federal and State Regulations, (3) OHRP and FDA Documents, (4) Institutional Review Board Functions and Operations, and (5) Informed Consent. The program objective will be to: (i) provide a Historical Perspective of the Development of the IRB System and Federal Regulations, (ii) discuss the Relevant Ethical Principles and their Application, (iii) cover all Federal and State Regulations (DHHS, FDA, HIPAA), (iv) analyze guidance documents (OHRP, FDA), (v) Provide an overview of IRB functions and operations (exempt/expedited/ convened review, IRB requirements, risk/benefit analysis, vulnerable populations, subject recruitment, advertising), (vi) explore Informed Consent (required elements, practical considerations, proper documentation, helpful hints, common errors), and (vii) case Studies and Discussion (to braid together the course content with real-life work experiences).

CTS 705. Community Engagement in Clinical and Translational Research. 2 credits. SU

This two-credit hour course focuses on the definitions, concepts, Best Practices, and challenges of Community Engagement in Clinical and Translational Research. Learning strategies will include: didactic and seminar classes, independent reading and assignments, local and national speakers with expertise in Community Engagement and Clinical and Translational Research, case studies, audiovisuals, etc. The student will: (1) Demonstrate a knowledge of the history, rationale, and the emerging emphasis of Community Engagement in Clinical and Translational Research, (2) Identify the resources and organizations furthering community engagement, (3) Demonstrate an understanding of definitions, concepts, Best Practices, and challenges of community engagement, (4) Compare and contrast community engagement in several countries, (5) Apply Best Practices of community engagement to one's own student research project, and (6) Demonstrate an appreciation for the value of Community Engagement in Clinical and Translational Research.

CTS 708. Health Disparity in Global Health. 3 credits. SP

The global health issues are extremely critical due to transmission of infectious diseases across the world, emergence of resistance to current antibiotic therapies, threat of bioterrorism, and health disparity between and within nations. Thus, it is critical to understand the social and environmental factors that contribute to diseases and develop preventive measures. Upon completion of this course, the CTS scholar will be able to understand: (1) health inequalities, (2) socio-economic risk factors, (3) maternal and child health, (4) the health of special populations, (5) HIV-AIDS, Malaria and tuberculosis, (6) globalization and emerging infectious diseases, and (7) global health payers and players and their role in understanding cultural issues.

CTS 709. Clinical Research Design and Methods. 2 credits.

An overview of the research designs available for clinical investigation: Strengths and weaknesses of controlled trials, cohort studies, and case control studies; the problem of response heterogeneity; bias and its sources; the problem of lost sampling units; randomization and its importance; the weaknesses of systematic reviews and of evidence-based medicine.

CTS 712. Bioinformatics and Information Technology in Clinical Medicine. 2 credits.

This course will introduce the scholars to Bioinformatics, which uses computer databases to store, retrieve and assist in understanding biological information. Genome-scale sequencing projects have led to an explosion of genetic sequences available for automated analysis. These gene sequences are the codes, which direct the production of proteins that in turn regulate all life processes. The CTS graduate program scholars will be shown how these sequences can lead to a much fuller understanding of many biological processes allowing pharmaceutical and biotechnology companies to determine for example new drug targets or to predict if particular drugs are applicable to all patients.

CTS 713. The Discipline of Scientific Writing and Preparation of Competitive Grant Applications. 3 credits.

The course will entail lectures on how to write a scientific paper and a proposal for funding with adherence to conventions of the literature and expectations of individual journals and funding agencies. Emphasis will be placed on writing clear English, and sequence of information. Course topics will include those in the recommended literature: (1) Writing a scientific paper and speaking at scientific meetings, second edition, *Communicating in Science*, by Vernon Booth, Cambridge University Press, 1993, (2) *The Elements of Style*, by W. Strunk and E.B. White, and (3) *Writing a Scientific Paper*, Chapter 1. *The ACS Style Guide, A manual for Authors and Editors*, Second Edition, J.S. Dodd, Editor, 1997, American Chemical Society. The lecture topics will be demonstrated in class discussions of papers selected from the literature. Students will be expected to participate in discussions and write individual critiques of the papers.

CTS 715. Applied Pharmacokinetics and Pharmacodynamics for Clinicians. 3 credits. FA

This course will prepare the clinician for individualized optimization of drug dosage based on a thorough understanding of pharmacokinetic and pharmacodynamic principles. The clinical application of pharmacokinetics to specific drugs will be discussed through the presentation and solution of problems commonly encountered in the clinical practice setting. The process of using drug concentrations, pharmacokinetic, and pharmacodynamic criteria to optimize therapy in individual patients will be illustrated and reinforced through discussions of pertinent drugs and case examples. Finally, principles and the underlying mechanisms of drug-receptor interaction will be discussed.

CTS 718. Medical Anthropology Research Strategies. 1 credit.**CTS 719. Drug Discovery & Translation of Research Innovation to Commercial Entities: Academic Entrepreneurship. 3 credits.**

The relationship between academic centers, medical centers and corporate entities has become increasingly important in bringing a collaborative approach to newbiotechnologies along with existing pharmaceutical remedies into clinical practice. This relationship has become part of a complex innovation ecosystem comprised of entrepreneurs, universities, corporate partners and others in a collaborative/competitive environment. This course will consist of a concise view of basic drug discovery process with an emphasis on biotechnologies, medicinal chemistry and molecular modelling in translational science. It will describe various models for translating biotechnology and medicinal chemistry innovations into commercial products, including university startups/spin outs and university/corporate partnerships. The course will also cover critical issues in the intellectual property management and disclosure, patents, and it will contain discussion of ethical dilemmas in academic corporate relationships. Issues related to the FDA regulatory process will be explored to assist investigators in determining whether the potential product is considered a drug, a biological therapeutic, or a biologic. Finally, NIH funding mechanisms via the STTR and SBIR will be explored and include eligibility considerations, new NIH funding opportunities, and enhancements to the program.

CTS 747. Cellular and Molecular Mechanisms of Transmembrane Signaling. 3 credits.

This course consists of lectures covering topics related to transmembrane signaling, including overviews of biological signals, intracellular and extracellular receptors, signaling pathways involving both heterotrimeric and monomeric G-proteins and their regulatory pathways, adenylate and guanylate cyclase, inositol-triphosphate, intracellular Ca²⁺, diacylglycerol, serine, threonine and tyrosine kinases, phosphatases and other regulatory mechanisms. Examples are discussed with clinical implications on the receptors for catecholamines, histamine, growth hormones, cytokines, IgE, light (photoreceptors), and odor (odorant receptors). Additional topics that are discussed include: molecular insight into the basis of diversity in ion channels, lymphocyte-induced signal transduction, toll-like receptors, and mechanisms underlying phagocytosis, apoptosis and smooth muscle contraction and relaxation as well as mechanisms underlying the activation of key transcriptional factors in transmembrane signaling pathways. Each student is assigned to write a comprehensive review on a recent topic related to cellular and molecular mechanisms of transmembrane signaling. Formal oral presentations and critical discussions of the aforementioned subjects will familiarize students with the nature and extent of research literature, the analysis of research papers, and the collation and presentation of scientific information. Individual student presentations and their active participation in the discussion are key aspects of this course.

CTS 791. Seminars in Clinical and Transitional Science. 1 credit.

Regular seminars will be held on various topics related to clinical and translational research, including issues in clinical research design and conduct, community engagement in clinical research, research methodologic issues, Web-based Technology: Implications for Data Collection in Clinical Research, gene and stem cell therapy, nanotechnology, etc. Seminars will be held at least once a week. Outside qualified speakers will be invited.

CTS 795. Directed Independent Study. 2-3 credits.

In this course, each scholar will be supervised by faculty members; will pursue in-depth reading and discussions on current research topics of interest to scholars. The purpose is to provide an environment whereby the student is introduced to scientific research methods and can improve critical thinking and reading skills as well as exchanging scientific information.

CTS 797. Directed Independent Research. 2-6 credits.

Original investigation under supervision and guidance of individual faculty members. The course will require laboratory work and conferences. The CTS scholars will work with established investigators in the area of clinical and translational science.

CTS 799. Master's Thesis. 1-6 credits.

Review of literature and research design; writing of the thesis. The scholars must register for this course in any term when engaged in formal preparation of the Master's thesis. However, six credit hours are the maximum applicable towards the degree.

CTS 895. Directed Independent Study. 2-3 credits.

In this course, each scholar will be supervised by faculty members; will pursue in-depth reading and discussions on current research topics of interest to faculty and students. The purpose is to provide an environment whereby the student is introduced to scientific research methods and can improve critical thinking and reading skills as well as exchanging scientific information. This course can be taken every semester up to a maximum of 12 credit hours.

CTS 897. Directed Independent Research. 2-6 credits.

Original investigation under supervision and guidance of individual faculty members. The course will require laboratory work and conferences. The CTS scholars will work with established investigators in the area of clinical and translational science. At Creighton University, there are many faculty who have funded projects from NIH, Department of Defense, Veterans Administration Merit Grant, American Heart Association, Department of Health, Nebraska, and pharmaceutical industries. Currently, Creighton University faculty have about 31 NIH-funded projects, 2 DoD funded projects, more than 200 pharmaceutical industry-funded projects, 12 Nebraska Department of Health and Human Services funded projects, and many more. Thus, the CTS graduate students will have choice to select research projects in many different disciplines of clinical research. This course can be taken every semester, up to a maximum of 40 credit hours.

CTS 899. PhD Dissertation. 6-12 credits.

This course consists of the review of literature and research data and formal composition of the Doctoral Dissertation. The scholars must register for this course in any term when engaged in formal preparation of the Doctoral dissertation. When taken in a student's final semester, it culminates in the defense of the Doctoral dissertation before the Graduate Advisory Committee. Repeatable to a maximum of 12 credit hours. Six credit hours are the maximum applicable towards the degree. P: CTS 897.

Doctor of Philosophy, Clinical and Translational Science

Ph.D., Clinical and Translational Science course requirements (90 credits):

| | | |
|---------|---------------------------------------------------------------------|---|
| IDC 601 | Responsible Conduct of Research | 1 |
| CTS 601 | Biostatistics and Analysis of Clinical Data Evidence-based Practice | 3 |

| | | |
|-------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|-------|
| CTS 701 | Intermediate Biostatistics: Correlational and Multivariate Regression Analyses of Clinical Data | 3 |
| CTS 702 | Federal Policies in Clinical and Translational Research | 2 |
| CTS 713 | The Discipline of Scientific Writing and Preparation of Competitive Grant Applications | 3 |
| CTS 747 | Cellular and Molecular Mechanisms of Transmembrane Signaling | 3 |
| CTS 791 | Seminars in Clinical and Transitional Science (one credit each semester except while writing the PhD dissertation) | 4-6 |
| CTS Electives - at least 6 credits | | 6-20 |
| CTS 895 Directed Independent Study - at least 6 credits | | 6-12 |
| CTS 897 Directed Independent Research - at least 30 credits | | 30-40 |
| CTS 899 PhD Dissertation - 6-12 credits | | 6-12 |
| Comprehensive Examination Completion Required | | 0 |

Master of Science, Major in Clinical and Translational Science

The scholars in the MS program will be required to complete 30 credit hours including the following core courses. Based on individual scholar's academic preparedness, there will be flexibility in the core courses. For example, if a scholar already had taken some of the following core courses during their training program, those scholars can take other courses in the CTS graduate program.

M.S., Major in Clinical and Translational Science requirements: 30 credits

| | | |
|-----------|-------------------------------------------------------------------------------------------------|-----|
| CTS 601 | Biostatistics and Analysis of Clinical Data Evidence-based Practice | 3 |
| IDC 601 | Responsible Conduct of Research | 1 |
| CTS 701 | Intermediate Biostatistics: Correlational and Multivariate Regression Analyses of Clinical Data | 3 |
| CTS 702 | Federal Policies in Clinical and Translational Research | 2 |
| CTS 712 | Bioinformatics and Information Technology in Clinical Medicine | 2 |
| CTS 713 | The Discipline of Scientific Writing and Preparation of Competitive Grant Applications | 3 |
| CTS 791 | Seminars in Clinical and Transitional Science | 1 |
| CTS 795 | Directed Independent Study | 2-3 |
| CTS 797 | Directed Independent Research | 2-6 |
| CTS 799 | Master's Thesis | 1-6 |
| Electives | | 4 |

M.D.- M.S. (Dual Degree) in Clinical and Translational Science

The MD-MS in Clinical and Translational Science (CTS) offered by the Center for Clinical & Translational Science is a comprehensive 5-year program designed to train future clinical and translational investigators from diverse scientific backgrounds and disciplines during their medical school education. The specific goal is to prepare the scholars of this program to identify important clinical questions, develop research protocols, conduct clinical and translational investigations in highly

interdisciplinary and collaborative team settings, generate pilot data, analyze and record the results in a publishable form, and develop and submit grant proposals. Scholars will be required to compose and successfully defend a Master's thesis. CTS scholars will be mentored and supported in writing independent research grant applications and will be enrolled as full-time MD-MS (CTS) students. A structured course curriculum, research environment and resources will be provided. Upon completion of the program, scholars will earn both MD and Master of Science in CTS degrees. Graduates will have gained the ability to conduct clinical and translational research as independent investigators during the course of residency in their chosen specialty.

For complete details, contact Dr. D.K. Agrawal, Office of Clinical and Translational Science, 402.280.2938.

Year One

In addition to completing the M1 year, MD-MS (CTS) students will identify the area of their research interest, identify a potential advisor at Creighton, and submit an application for the summer research program. They will also take the M1 requirement IDC 135 Ethical and Legal Topics in Clinical Medicine, which also qualifies as 3 credit hours towards the MS in CTS.

Year Two

In addition to completing the M2 year, students will participate in a summer research program by enrolling in CTS 797 Directed Independent Research, learning clinical and translational science research techniques, carrying out the proposed research, and finalizing their research topic and the major advisor for Master's thesis. Students will take two additional CTS courses: CTS 702 Federal Policies in Clinical and Translational Research and CTS 712 Bioinformatics and Information Technology in Clinical Medicine.

Year Three

Students will postpone the M3 year and work full-time as Master of Science students by enrolling in CTS courses, including CTS 709 Clinical Research Design and Methods and CTS 713 The Discipline of Scientific Writing and Preparation of Competitive Grant Applications in the Fall Semester and CTS 601 Biostatistics and Analysis of Clinical Data Evidence-based Practice in the Spring Semester. Students will be required to take at least 12 credit hour courses per semester. These courses could include: CTS 795 Directed Independent Study, CTS 797 Directed Independent Research, and CTS 799 Master's Thesis. Students will conduct research under the direct supervision of the major advisor. Students will write and submit a Master of Science Thesis by June 10 and successfully defend it by June 30 in order to fulfill the requirements for the Master of Science component of the MD-MS (ITM) program. If necessary, the defense of the thesis can be arranged during the 4th year of the curriculum.

Years Four & Five

Students will complete the M3 and M4 years to satisfy the MD component of the dual-degree program. Both degrees will be awarded at the May convocation.

Graduate Certificate in Clinical and Translational Science

The scholars will be required to take the following core courses totaling 15 credits. Based on individual scholar's academic preparedness, there will be flexibility in the core courses. For example, if a scholar had already

taken some of the following core courses during their previous education, he/she can choose other courses in the CTS graduate program, but this requires approval by the Program Director.

| | | |
|-----------------------------------------|-------------------------------------------------------------------------------------------------|----|
| CTS 601 | Biostatistics and Analysis of Clinical Data Evidence-based Practice | 3 |
| IDC 601 | Responsible Conduct of Research | 1 |
| CTS 701 | Intermediate Biostatistics: Correlational and Multivariate Regression Analyses of Clinical Data | 3 |
| CTS 702 | Federal Policies in Clinical and Translational Research | 2 |
| CTS 712 | Bioinformatics and Information Technology in Clinical Medicine | 2 |
| Directed Independent Study and Research | | 4 |
| CTS 795 | Directed Independent Study | |
| CTS 797 | Directed Independent Research | |
| Total Credits | | 15 |

Creative Writing

Program Director: Brent Spencer, Ph.D.
Program Office: Creighton Hall 141B

The Creighton University Master of Fine Arts in Creative Writing is a two-year residential program whose focus is on the book. Students work toward creating book-length manuscripts and prepare them for publication through a series of workshops, craft classes, and literature seminars. Eight-week terms provide flexible scheduling that includes built-in writing time. Students develop their writing skills at the same time that they learn to become contributing members of the literary community. Fellowships are available, as well as training and real-world experience in teaching, editing, and publishing.

The MFA program in creative writing offers the Master of Fine Arts degree in prose or poetry, a Graduate Certificate in prose or poetry, and a Certificate in prose, poetry, or screenwriting.

Learning Goals/Student Outcomes

The learning goals/student outcomes align with the six university-level outcomes.

Creativity

- demonstrate in writing and orally highly developed levels of creativity in the production of literary works (novels, stories, poems, screenplays, etc.)
- demonstrate in writing and orally a highly developed level of creativity in problem-solving, while working in groups and in isolation
- use creative thinking to solve personal, professional, and real-world problems that fall outside the area of writing

Communication

Graduates will

- demonstrate in writing and orally a highly developed ability and respect for clarity and directness
- demonstrate a highly evolved sense of audience

Knowledge

Graduates will

- identify and analyze craft elements, techniques, and approaches in successful works of literature
- apply appropriate craft elements, techniques, and approaches to their own writing
- understand the history and development of literature in their chosen genre
- analyze major works of literature in their chosen genre in order to discover “how did they do it,” as Nobel prize-winner William Faulkner puts it
- identify the nature of the literary community and their place in it
- make appropriate use of technology for the sake of efficiency and for advancing the craft and vision of writing
- describe and participate in the history, processes, technology, and future of publishing in their chosen genre

Critical Thinking

Graduates will

- engage in research appropriate for projects in their chosen genres
- analyze and solve complex writing problems
- design, manage, and complete complex writing projects
- use critical thinking to solve personal, professional, and real-world problems that fall outside the area of writing

Collaboration

Graduates will

- work with others in a team setting
- demonstrate understanding of and respect for different points-of-view
- participate actively in the literary community locally and nationally
- work effectively and respectfully with people from other races, ethnicities, cultures, genders, religions, and sexual orientations

Ignatian Reflection and Values

Graduates will

- practice lifelong critical self-reflection on personal and professional formation in alignment with the Jesuit pedagogical model. Students will identify, analyze, and evaluate relevant work and learning experiences contributing to their degree completion
- demonstrate ethical decision-making, a commitment to service, and a promotion of social justice in their work and professional activities
- create works informed by the ability to think creatively in pursuit of peace and justice, knowledge and truth
- engage and embrace the contributions of diverse cultures in their creative work, in teaching, and in professional activities
- use critical and creative means to create works that, in the words of Franz Kafka, “take an ax to the frozen sea within us”

Degrees in Creative Writing

- MFA, Creative Writing (p. 78)

Graduate Certificate in Creative Writing

- Creative Writing (p. 78)

Courses

CRW 600. The Writing Life. 3 credits.

A discussion course and tutorial on creative writing as art, craft, and business, with attention to pedagogy, publication, and sustaining oneself as a writer. The class meets formally three times, with additional one-one meetings as needed. MFA students are urged to take CRW 600 in their first term. Graded Satisfactory/Unsatisfactory.

CRW 641. Prose Workshop. 3 credits.

A discussion-based creative writing workshop in which students meet weekly to discuss their original prose writing (fiction, creative non-fiction, etc.). Open only to students who have been admitted to the MFA program or to those who receive permission from the MFA program director. May be repeated for a total of 12 credits. Graded Satisfactory/Unsatisfactory.

CRW 642. Poetry Workshop. 3 credits.

A discussion-based creative writing workshop in which students meet weekly for discussion of their original poetry. Open only to students who have been admitted to the MFA program or to those who receive permission from the program director. May be repeated for a total of 12 credits. Graded Satisfactory/Unsatisfactory.

CRW 651. The Craft of Prose. 3 credits.

Lecture, discussion, and practice in the techniques of writing literary prose, the focus changing from term to term. Open only to students who have been admitted to the MFA program or to those who receive permission from the program director. May be repeated for a total of 12 credits.

CRW 652. The Craft of Poetry. 3 credits.

Lecture, discussion, and practice in the techniques of writing poetry, the focus changing from term to term. Open only to students who have been admitted to the MFA program or to those who receive permission from the program director. May be repeated for a total of 12 credits.

CRW 680. Teaching Practicum. 1-3 credits.

The course provides the MFA student with training, supervision, and experience teaching non-credit creative writing workshops to people in the community. May be repeated twice for up to 6 credits. P: Enrollment in the MFA Creative Writing program.

CRW 761. Prose Seminar. 3 credits.

The study of prose literature from a writer’s perspective, with a focus on composition strategies, choices, and other writerly considerations. Full texts will be chosen and discussed, based on instructor and student interest. The writing requirement for this course is both creative and critical. May be repeated for a total of 12 credits.

CRW 762. Poetry Seminar. 3 credits.

The study of poetry from a writer’s perspective, with a focus on composition strategies, choices, and other writerly considerations. Topic and texts change from term to term, based on instructor and student interest. The writing requirement for this course is both creative and critical. May be repeated for a total of 12 credits.

CRW 799. Thesis. 1-3 credits.

The course provides academic credit for the student’s independent work on a manuscript of original prose and/or poetry, which will be submitted as the thesis. Open only to students who have been admitted to the MFA program. (1-3 credits, repeatable twice for up to 6 credits.) Graded Satisfactory/Unsatisfactory.

Master of Fine Arts with a Major in Creative Writing

MFA in Creative Writing (48 credits)

The MFA is awarded after the successful completion of the two-year residential program. Students are required to take four writing workshops, four craft courses, and four seminars, and graduate creative writing electives for a total of 48 credit hours and to submit a thesis of original creative writing.

| | |
|--------------------------------------|----|
| Required Introductory Course | 3 |
| CRW 600 The Writing Life | |
| Writing Workshops | 12 |
| Select 4 courses from the following: | |
| CRW 641 Prose Workshop | |
| CRW 642 Poetry Workshop | |
| Craft Courses | 12 |
| Select 4 courses from the following: | |
| CRW 651 The Craft of Prose | |
| CRW 652 The Craft of Poetry | |
| Seminars | 12 |
| Select 4 courses from the following: | |
| CRW 761 Prose Seminar | |
| CRW 762 Poetry Seminar | |
| Practicum or Thesis | 9 |
| CRW 680 Teaching Practicum | |
| CRW 799 Thesis | |
| Total Credits | 48 |

Graduate Certificate in Creative Writing

Graduate Certificate in Creative Writing (24 credits)

The student with a deep interest in creative writing, but who has neither the time nor the interest in completing the full program, can earn a Graduate Certificate in Creative Writing after completing at least two workshops and additional graduate creative writing electives for a total of 24 credit hours.

| | |
|--------------------------------------|----|
| Writing Workshops (2 courses) | 6 |
| CRW 641 Prose Workshop | |
| CRW 642 Poetry Workshop | |
| Electives | 18 |
| CRW 641 Prose Workshop | |
| CRW 642 Poetry Workshop | |
| CRW 651 The Craft of Prose | |
| CRW 652 The Craft of Poetry | |
| CRW 680 Teaching Practicum | |
| CRW 761 Prose Seminar | |
| CRW 762 Poetry Seminar | |

CRW 799 Thesis

Total Credits

24

Education

M.S., Educational Leadership Program Director: Tim Cook
 Magis Catholic Teacher Corps Program Director: Kate Sampson
 M.Ed, Secondary Program Director: Thomas Simonds, S.J.
 M.Ed, Elementary Program Director: Debra Ponec
 Coordinator of Catholic School Leadership: Tim Cook
 Coordinator of Early Childhood Education: Jean Hearn
 Department Office: Eppley, Room 450

Graduate Study in Education

Five master's degree programs are offered by the Department of Education. All applicants must meet the requirements of the Graduate School and a satisfactory background check through the Education Department. Additional information about this department may be found at the Department of Education (<http://www.creighton.edu/ccas/education>) website.

Degrees in Education and School Counseling and Preventive Mental Health

- Master of Education in Secondary School Teaching (p. 84)
- Master of Education in Elementary School Teaching (p. 83)
- Master of Science with a Major in Educational Leadership - Specialization in School Administration (p. 85)
- Master of Science with a Major in Educational Leadership - Specialization in Teacher Leadership (p. 85)
- Master of Science with a Major in School Counseling and Preventive Mental Health (p. 166)

Dual Degree Programs in Education

- Master of Education in Secondary School Teaching / Master of Arts in Theology (p. 176)

Certificate in Education

- Catholic School Leadership (p. 86)

Courses

EDL 602. Introduction to Educational Leadership. 3 credits. SU

Introduction to the processes of educational administration. Exploration of the role and responsibility of elementary and secondary school principals, policies and procedures, and the principalship as a profession. P: DC.

EDL 603. Educational Research. 3 credits.

The introduction to the foundational terms, principles, and concepts of Educational Research are covered. Students will develop a small-scale research proposal. P: DC.

EDL 605. Foundations of Catholic Education. 3 credits.

This course focuses on the history and philosophy of Catholic schools. Students will study how Catholic schools have evolved over time as well as examine how their history might inform their future. Church documents will serve as the primary sources for student engagement of Catholic school mission and philosophy. Throughout the course students will apply theory to practice. P: DC.

EDL 606. Faith Leadership in Catholic Schools. 3 credits.

This course provides an introduction to the teachings of the Catholic Church in these areas: creed, liturgy and Sacraments, Christian morality, Christian prayer and spirituality, Catholic social teaching, and Scripture. This course will help leaders apply Catholic Church teaching to contemporary Catholic school issues, build faith community, and foster faculty/staff formation for mission. P: DC.

EDL 607. School Improvement. 3 credits.

This course addresses using and aligning the processes for continuous school improvement in elementary and secondary schools. Key concepts in this course include; the importance of a shared mission, vision, values, and goals, using data to develop a plan, role of professional development in school improvement, and monitoring and implementation of school improvement plan. Students will learn about the change process in order to understand how to implement continuous improvement efforts effectively. P: DC.

EDL 609. Curriculum, Instruction, and Assessment, Part I. 3 credits.

This course addresses developing and leading comprehensive rigorous curricular and instructional programs. Key concepts in this course include; alignment of curriculum, instruction and assessment, promoting effective use of technology to support learning, effective pedagogy that meets needs of all learners, and using culturally sensitive curriculum and assessments. Students will review national standards for public and Catholic schools and develop curriculum, instruction, and assessments aligned to standards.

EDL 612. Special Education Leadership. 3 credits.

Provides an orientation to special education issues and laws for regular education administrators. Covers essential knowledge of special education terms, procedures, and disabilities, as well as many of the common problems and issues that occur in the supervision of special education programs. Meets the requirement for coursework in special education required for all new administrator certificates (LB392) issued after September 1, 1992. P: DC.

EDL 614. Leading Professional Learning Communities. 3 credits.

This course addresses how to develop and promote a collaborative environment in elementary and secondary schools and sustains high expectations for all. Key concepts in this course include creating high impact/high functioning teams, developing teacher leaders, using protocols to analyze student work, and creating the infrastructure for PLCs. Students will lead and/or participate in a PLC and critique the team's effectiveness. P: DC.

EDL 618. Cultural Issues in Education. 3 credits.

Course emphasizes the global dimensions in education dealing with multi-cultural issues and the role of the leader. This course meets the Nebraska Department of Education human relations requirement. P: DC.

EDL 620. School-Community Relations. 3 credits.

Examination of the principles and practices used to improve the public relations between the school and its various communities. P: DC.

EDL 622. School Law. 3 credits.

The course provides background in Constitutional and statute law affecting the rights and responsibilities of public and private school educators with respect to students, parents, school policies, and working conditions. Abundant opportunities for application of legal principles are staples of this course. P: DC.

EDL 624. Differentiated Supervision for Professional Growth. 3 credits.

Reviewing and appraising the instructional process; organizing the supervision program with attention to the leadership role of the principal; developing in-service programs and promoting professional growth. P: DC.

EDL 626. Strategic Resourcing. 3 credits.

The course examines the means through which public and private schools acquire, spend, and account for resources. Related legal and ethical considerations are also applied in course projects and exams. P: DC.

EDL 627. Strategic and Political Leadership in Catholic Schools. 3 credits.

This course addresses the strategic and political dimensions of Catholic educational leadership. Topics include strategic planning, governance, networks and coalitions, political advocacy, funding, public relations, and marketing. The course stresses innovation, collaboration, and advocacy in positioning schools for the future. Course assignments emphasize practical application of theory and best practices. P: DC.

EDL 629. Educational and Managerial Leadership in Catholic Schools. 3 credits.

This course is designed to investigate educational leadership using the Catholic mission of the school as a focus and integrating principle. Students will also explore pertinent managerial leadership topics such as site-based management, models of shared leadership, school finance and the stewardship of school resources, and legal issues as they apply to the Catholic school setting, including safety. P: DC.

EDL 630. Leadership of Educational Technology. 3 credits.

The course gives the school principal knowledge of technology ethics, laws, and standards; skills in evaluating hardware and software, as well as facility and security issues; perspectives on emerging trends in educational technology; and strategies in formulating an effective technology plan for a school to improve student learning and school management. P: DC.

EDL 631. Human Resources. 3 credits.

This course requires students to learn and apply the theories and processes essential to effective leadership of the human resources function in PK-12 schools. Students will learn theories of human and organizational needs and apply them to public and private school settings. P: DC.

EDL 639. Internship I in Elementary School Administration. 3 credits.

Students complete prescribed tasks as interns that replicate actual experiences as a school principal under the supervision of the Creighton Education Department and a collaborating administrator in the school sponsoring the internship. In addition, students meet in a seminar weekly for reflection and extension of internship learning. P: DC.

EDL 640. Internship I in Secondary School Administration. 3 credits.

Students complete prescribed tasks as interns that replicate actual experiences as a school principal under the supervision of the Creighton Education Department and a collaborating administrator in the school sponsoring the internship. In addition, students meet in a seminar weekly for reflection and extension of internship learning. P: DC.

EDU 500. Remedial Reading. 3 credits. FA, SP

Focus of the course is on meeting the variety of individual educational needs that confront a teacher of reading. Techniques, methods, materials, and organizational systems that can be used within the framework of daily instruction. Students participate in a practicum during class. P: EDU 566; DC.

EDU 501. Psychology Of Exceptional Children. 3 credits.

A multidisciplinary and life span approach to the study of persons with differences. P: DC.

EDU 503. Foundations of Education. 1 credit. SU

This course serves as an introduction to the educational profession and Creighton University's graduate program in teaching. Students will acquire a basic understanding of the history and philosophy of education in the United States, including Catholic school education. Students will also review professional ethics and complete case studies in ethical practice. Students will develop their own philosophy of education using an eclectic approach as the capstone assessment for this course. P: Dept. and program approval.

EDU 510. Growth And Development Of Children And Adolescents. 3 credits. OD, SU

This survey course covers the theory and research literature of child and adolescent development, beginning at conception and ending in late adolescence. Physical, cognitive, language, motor, personality, social, affective, moral, and spiritual development are considered as the course seeks to prepare students for roles in P-12 schools. Aiding hours in assigned school sites are required. P: DC.

EDU 525. Procedures for Including Students with Mild/Moderate Disabilities in the Regular Classroom. 3 credits. FA, SP

Course designed to acquaint the regular elementary or secondary classroom teacher with the characteristics of students with mild/moderate disabilities. Discussion of diagnostic and remedial techniques for students with disabilities in the general classroom. Students complete a 15-20 hour practicum under supervision of a special education teacher. P: DC; CO: EDU 565/EDU 566 or EDU 568/EDU 569 or EDU 341 or EDU 551.

EDU 530. Elementary School Observation and Student Teaching the Mildly/Moderately Disabled. 3-14 credits. FA, SP

Practical experience in the observation and conduct of classroom teaching and related activities for the mildly/moderately handicapped. This experience is obtained under the immediate supervision of a fully experienced cooperating teacher and a University supervisor. Application to the Director of Field Experiences for all student teaching must be made before February 1 for the Fall Semester and October 1 for the Spring Semester. The number of credit hours must be approved by the Director of Field Placement. P: EDU 591, 593, or initial teaching certificate; Sr. stdg; DC.

EDU 535. Human Relations And Cultural Diversity. 3 credits. SU

Course designed to provide teacher educators with human relations skills and to foster insight into effective communication with diverse racial and/or cultural groups. This course meets the human relations requirement of the Nebraska Department of Education. P: DC.

EDU 544. Framework of World Languages and Cultures. 3 credits. OD

Students will examine and compare cultural and language frameworks from world regions in order to understand the cultural and/or language dissonance experienced by limited or non-English speaking individuals in the United States. P: DC.

EDU 548. Teaching Reading In Content Areas In Middle And Secondary Schools. 3 credits. FA, SU

Course designed for junior-high and secondary-school content-area teachers who have had little or no background in the field of teaching reading. Practical concepts, techniques, strategies and activities designed to enable the content-area teacher to develop better a student's reading skills and abilities while utilizing content materials. P or CO: EDU 341/EDU 342 or EDU 551/EDU 552, Jr. stdg.

EDU 551. Methods Of Instruction For Secondary Teaching. 3 credits. FA, SU

This course introduces students to the general principles of teaching in a secondary school. The course addresses planning for instruction, teaching methods, and assessing student achievement. Students practice their skills outside of class through weekly fieldwork experiences in local schools. P: DC; P: or CO: EDU 503, EDU 510, EDU 583.

EDU 556. Foundations and Best Practices of Early Childhood Education. 3 credits.

An in-depth study of early childhood development theory (birth through age 8), principles and current research including both typical and atypical development and the implications this has for early childhood education. Study will extend to observational strategies and application of growth and development data in decision making for developmentally appropriate practice. A total of 20 clock hours of field experience will be required in conjunction with EDU 556. P: EDU 211.

EDU 558. Content and Methods Specific to Early Childhood Education. 3 credits.

This course is designed to prepare candidates to use their knowledge of academic disciplines to design, implement, and evaluate experiences that will promote positive development and learning in the content areas of math, science, social studies, health and religion for each and every young child. Focus will be placed on the use of inquiry tools, knowledge of content, and developmentally appropriate teaching strategies and methodologies to design, implement, and evaluate meaningful and challenging curriculum that promotes positive outcomes for all early learners. Emphasis will also be placed on the candidate's use of knowledge acquisition and self-reflection to deepen and improve teaching practices. This course will include a 15 hour field experience, which will allow the students to put into practice the skills they have learned throughout this course. P: EDU 210 and EDU 556.

EDU 563. Assessing Organizational Systems. 3 credits. OD

Workshop evaluating characteristics of organizations (including schools and service organizations). Practical training in assessing the effectiveness of such interventions as curriculum, training and development, and personnel. Special emphasis on planning, conducting, and interpreting surveys; developing questionnaires, interpreting results, and writing final reports.

EDU 565. Methods Of Teaching Language Arts In Elementary School. 3 credits. FA, SP

Emphasizes content and methods in teaching language arts in elementary and middle school. Students complete a minimum of 32 hours of practicum in a school classroom (EDU 565/EDU 566). P: EDU 103 or EDU 503; EDU 210 or EDU 211 or EDU 510; DC; CO: EDU 566.

EDU 566. Methods of Teaching of Elementary Reading. 3 credits. FA

Designed to assist in understanding the process of developmental reading and to acquaint the student with the newest as well as the traditional tools for teaching reading. Students complete a minimum of 32 hours of practicum in a school classroom (EDU 565/EDU 566). P: EDU 103 or EDU 503, EDU 210 or EDU 510; DC; CO: EDU 565.

EDU 567. Methods of Teaching Social Studies in Elementary School. 3 credits. FA

Emphasizes content and methods in teaching social studies in elementary and middle school. P: EDU 103 or EDU 503; EDU 210 or EDU 211 or EDU 510; DC.

EDU 568. Engaged in Math: Effective Methodologies for Pre-Service Elementary School Teachers. 3 credits. SP

Pre-service teacher candidates need to be prepared to be effective mathematics educators. This course seeks to prepare pre-service teachers for the ever-evolving mathematics instructional practices that will undoubtedly emerge in this era of high-stakes accountability. It will allow the students to take a dynamic classroom role as the orchestrators of authentic learning environments. This will be accomplished by fostering the teacher candidates' ability to use inquiry, technology, systematics assessment, prescription, implementation, and oral communication, all of which are associated with mathematics education for diverse classroom communities. Over 25 hours of field experience are required for this course, allowing the students to experience a variety of real world teaching situations. P: Admittance into the Education Department and Completion of Foundations Oral Communication course; Co: EDU 569.

EDU 569. Methods of Teaching Science in Elementary School. 3 credits. SP

Emphasizes content and methods in teaching science in elementary and middle school. Students complete a 25-hour practicum (EDU 568/EDU 569). P: EDU 103 or EDU 503; EDU 210 OR EDU 211 or EDU 510; DC; CO: EDU 568.

EDU 572. Action Research and Assessment for Teachers. 3 credits. SP

Course emphasizes the fundamentals of educational research and the development, implementation, and analysis of formative and summative assessments utilized within PK-12 schools. Students will design and conduct a small scale assessment/research project within a PK-12 classroom.

EDU 575. Action Research in Your Content Area. 3 credits. FA

The purpose of the course is to give students a working knowledge of educational research methods and secondary teaching methods within a content area. Students will explore best practices in teaching secondary content areas using site based interviews, literature reviews, and a variety of classroom activities. This course includes a 25 hour practicum experience in a local school, which is an integral part of this course. P: DC; P or CO: EDU 341 and EDU 342 or EDU 551 and EDU 552, or DC.

EDU 577. Special Methods for Teaching in the Secondary School. 3 credits. OD

This course deals with teaching in the secondary school. Attention is directed to the selection, organization, and presentation of meaningful materials, as well as assessment of learning. The course meets one of the requirements for secondary teacher certification in the disciplines. Observation of instructional practice in a school setting integral to the course. P: DC; P or CO: EDU 341, and EDU 342 or EDU 551.

EDU 583. Management Practices For Classroom Teachers. 3 credits. FA, SU

Creating and/or maintaining a positive learning environment through techniques of observation, description, measurement and evaluation for optimum student learning. P or CO: EDU 341 or EDU 503 or EDU 565/EDU 566 or EDU 568/EDU 569 or DC. Graduate standing required or DC for summer offering.

EDU 586. Special Topics in Education. 2-3 credits. OD

Course designed to deal with current theory, research and practices in a specific area, e.g., social studies education. Faculty will provide a subtitle and a brief description for inclusion in the "Schedule of Courses." P: DC.

EDU 587. Methods Of Teaching Religion In Elementary School. 3 credits. OD (Same as THL 587)

The course is designed to prepare students to effective religious educators in Catholic elementary schools. The course content will encompass the four dimensions of religious education: message, community, service and worship. Students will not only become acquainted with methods and materials for teaching religion, but they will also gain experience planning liturgical celebrations.

EDU 590. First Year Teacher Induction Workshop. 3 credits. OD

Designed to ease the isolation and provide continuity between the theory of pre-service preparation and the realities of teaching. Assistance provided in acquiring additional knowledge and instructional skills, combating the effects of isolation, and becoming integrated into a school community. P: DC.

EDU 591. Clinical Practice (Student Teaching). 3-14 credits. FA, SP

Practical experience in the observation and conduct of classroom teaching and related activities. This experience is obtained under the immediate supervision of a fully experienced cooperating teacher and a University supervisor. Application to the Director of Field Experiences for all student teaching must be made before February 1 for the Fall Semester and October 1 for the Spring Semester. Secondary: P: EDU 341, and EDU 342 or EDU 551, EDU 548, EDU 525, EDU 583, EDU 575; CO: EDU 593. Elementary: P: EDU 500, EDU 525, EDU 565, EDU 566, EDU 567, EDU 568, EDU 569, EDU 583; CO: EDU 593; DC.

EDU 593. Clinical Practice (Student Teaching) Seminar. 1 credit. FA, SP

Student teachers deal with issues of classroom management, communication with families and communities, applications, portfolios, interviews, and relevant teaching concerns. CO: EDU 591.

EDU 600. Principles Of Curriculum Construction For Elementary And Secondary Schools. 3 credits. FA

Course designed to prepare educators for instructional leadership in identifying curriculum determiners, planning procedures, and evaluation processes for both elementary and secondary schools. P: DC.

EDU 601. Instructional Technology for the Classroom. 3 credits. SU

This course will train teachers to develop a more robust, engaging, and student-centered curriculum through the use of educational technology. We will focus on practical uses of technology in the classroom through simulations and lesson development. Students will build a personal learning network (PLN) to facilitate professional collaboration beyond this class. P: Gr. stdg.

EDU 602. Faith Leadership in Catholic Schools. 3 credits. OD

This course provides an introduction to the teachings of the Catholic Church in these areas: creed, liturgy and Sacraments, Christian morality, Christian prayer and spirituality, Catholic social teaching, and Scripture. This course will help leaders apply Catholic Church teaching to contemporary Catholic school issues, build faith community, and foster faculty/staff formation for mission. P: DC.

EDU 603. Educational and Managerial Leadership in Catholic Schools. 3 credits. OD

This course is designed to investigate educational leadership using the Catholic mission of the school as a focus and integrating principle. Students will also explore pertinent managerial leadership topics such as site-based management, models of shared leadership, school finance and the stewardship of school resources, and legal issues as they apply to the Catholic school setting, including safety. P: DC.

EDU 606. Strategic and Political Leadership in Catholic Schools. 3 credits. OD

This course addresses the strategic and political dimensions of Catholic educational leadership. Topics include strategic planning, governance, networks and coalitions, political advocacy, funding, public relations, and marketing. The course stresses innovation, collaboration, and advocacy in positioning schools for the future. Course assignments emphasize practical application of theory and best practices. P: DC.

EDU 616. Consulting Techniques. 3 credits. OD

Course designed to acquaint students with models for providing consultation to schools, teachers, and students. Distinction between medical and consultation models is provided, and goals for consultant behaviors and the culture of the school are discussed. Emphasis on problem-solving, collaborative consultation, curriculum-based measurement, and precision teaching.

EDU 617. Leadership in the Administration of Educational Technology. 3 credits. SP

The course gives the school principal knowledge of technology ethics, laws, and standards; skills in evaluating hardware and software, as well as facility and security issues; perspectives on emerging trends in educational technology; and strategies in formulating an effective technology plan for a school to improve student learning and school management. P: DC.

EDU 620. Practical Aspects Of School Law For Teachers And Administrators. 3 credits. FA, SP

The course provides background in Constitutional and statute law affecting the rights and responsibilities of public and private school educators with respect to students, parents, school policies, and working conditions. Abundant opportunities for application of legal principles are staples of this course. P: DC.

EDU 623. Managing the School Climate. 3 credits. OD

Examination of the factors and strategies that create a school environment conducive to learning. Emphasis on the leadership role of the administrator in establishing a safe and productive learning climate. P: DC.

EDU 624. Supervision of Learning. 3 credits. FA

Reviewing and appraising the instructional process; organizing the supervision program with attention to the leadership role of the principal; developing in-service programs and promoting professional growth. P: DC.

EDU 625. Practical Knowledge Of School Finance For Teachers And Administrators. 3 credits. SP

The course examines the means through which public and private schools acquire, spend, and account for resources. Related legal and ethical considerations are also applied in course projects and exams. P: DC.

EDU 628. Field Service Experience in Elementary School Administration. 3 credits. SP

Students complete prescribed tasks as interns that replicate actual experiences as a school principal under the supervision of the Creighton Education Department and a collaborating administrator in the school sponsoring the internship. In addition, students meet in a seminar weekly for reflection and extension of internship learning. P: DC.

EDU 630. Field Service Experience in Secondary School Administration. 3 credits. SP

Students complete prescribed tasks as interns that replicate actual experiences as a school principal under the supervision of the Creighton Education Department and a collaborating administrator in the school sponsoring the internship. In addition, students meet in a seminar weekly for reflection and extension of internship learning. P: DC.

EDU 631. Leadership in the Administration of Human Resources in Education. 3 credits. OD

EDU 633 requires students to learn and apply the theories and processes essential to effective leadership of the human resources function in PK-12 schools. Students will learn theories of human and organizational needs and apply them to public and private school settings. P: DC.

EDU 652. Differentiating High School Teaching. 3 credits.

Students will utilize previous experience in grades 7-12 teaching to identify their skills and growth areas in differentiating teaching. Students will then expand on existing skills and develop new skills so that all students in their classrooms can reach identified learning outcomes.

EDU 675. Special Methods for Magis Teachers. 3 credits. FA

This course educates and mentors new Magis teachers in exploring their content areas. Magis teachers in secondary school placements research best methods in their content areas to continue their formation in teacher education and increase their knowledge base. The course delivery method is partially asynchronous and online, but also includes eight observations of the teacher in the classroom and multiple one-on-one meetings with the instructor to discuss observations and review the progress of the teacher in his/her classroom and content area growth. P: EDU 551, CO: EDU 686.

EDU 680. Spirituality Of Teaching-Part I. 1 credit. OD

This course is designed to integrate the three pillars of the Magis Catholic Teacher Corps program: professional, spiritual, and communal. It is taught through lecture, large and small group discussions based on the assigned readings and on the effective completion of all written assignments. The assignments are designed to produce artifacts for a summative portfolio. P: Dept. approval.

EDU 681. Spirituality Of Teaching-Part 2. 1 credit. OD

This course is part 2 of the Spirituality of Teaching. It continues to integrate the three pillars of the Magis Catholic Teacher Corps program: professional, spiritual, and communal. It is taught through lecture, large and small group discussions based on the assigned readings and on the effective completion of all written assignments. The assignments are designed to produce artifacts for a summative portfolio. P: Dept. approval.

EDU 686. Beginning Practicum In Catholic Education. 1 credit. FA

This course is part of the Magis student's education and training program. Magis students learn principles and practices of teaching in a Catholic school. The course addresses planning for instruction, teaching methods, and assessing student achievement and communicating assessments to students, parents, and administrators. Students practice their skills as the teacher of record with the support and guidance of a mentor teacher, principal, and Magis director. P: EDU 551 and DC.

EDU 687. Advanced Practicum In Catholic Education. 1 credit. SP

This course is part of the Magis student's education and training program. Magis students learn principles and practices of teaching in a Catholic school. The course addresses planning for instruction, teaching methods, and assessing student achievement and communicating assessments to students, parents, and administrators. Students practice their skills as the teacher of record with the support and guidance of a mentor teacher, principal, and Magis director. P: EDU 686.

EDU 688. Beginning Internship In Catholic Education. 1 credit. FA

This course is part of the Magis student's education and training program during the second year. Magis students learn principles and practices of teaching in a Catholic school. The course addresses planning for instruction, teaching methods, and assessing student achievement and communicating assessments to students, parents, and administrators. Students practice their skills as the teacher of record with the support and guidance of a mentor teacher, principal, and Magis director. P: EDU 687.

EDU 689. Advanced Internship In Catholic Education. 3 credits. SP

This course is part of the Magis student's education and training program during the second year. Magis students learn principles and practices of teaching in a Catholic school. The course addresses planning for instruction, teaching methods, and assessing student achievement and communicating assessments to students, parents, and administrators. Students practice their skills as the teacher of record with the support and guidance of a mentor teacher, principal, and Magis director. P: EDU 688.

EDU 793. Directed Independent Readings. 1-3 credits. FA, SP, SU

Intensive reading in an area as approved by the department. P: DC.

EDU 795. Directed Independent Study. 1-3 credits. FA, SP, SU

Independent research on a topic designed by the student with the approval of an adviser from the department. P: DC.

EDU 797. Directed Independent Research. 1-3 credits. FA, SP, SU

Independent Research on a topic designed by the student with the approval of an adviser from the department. P:DC.

EDU 799. Master's Thesis. 1-3 credits. FA, SP

Research in connection with the preparation of the Master's thesis. Student must register for this course in any term when engaged in formal preparation of the Master's thesis; however, six credit hours are the maximum applicable toward the degree. P: DC.

Master of Education in Elementary School Teaching

This program is designed for a person with a bachelor's degree who is interested in earning an initial Nebraska teaching certificate to teach at the elementary level. This program is accredited/approved by state, regional and national accrediting agencies, including the National Council for Accreditation of Education Preparation Programs (CAEP), the Nebraska Department of Education, and the Department of Education at Creighton University. The endorsement certifies recipients to teach grades K-6 in public schools, grades K-8 in parochial schools. This program includes state-required courses shared with the undergraduate teacher-preparation program, graduate-only professional coursework, and a student teaching semester. Four undergraduate courses in elementary education must be completed in addition to this program. Many courses include field experience at an elementary school and the Creighton preservice teacher must arrange his or her own transportation. Prior to any education program coursework or field experience, the teacher education candidate must sign and have notarized two affidavits assuring that,

1. he or she does not have a felony or misdemeanor conviction involving abuse, neglect, or sexual misconduct; and
2. the teacher education candidate is in sound mental capacity.

The candidate must maintain this status throughout the program. Also, prior to the first field experience, and again prior to student teaching, the

preservice teacher must have a satisfactory background check through the Education Department.

Program Goals for M.Ed. Elementary School Teaching

Graduates will:

1. Understand human development and appreciate diverse learners.
2. Plan and use a variety of instructional strategies to accommodate diverse learners and help all students succeed and fulfill their potential.
3. Plan and use a variety of assessment strategies to diagnose learner needs and evaluate learning outcomes.
4. Collaborate with colleagues, parents, and community members to assist learners and to advance the school's mission.
5. Value and exhibit the Ignatian / Jesuit charisms of cura personalis (personal care), magis (excellence), men and women for and with others (service and justice), and contemplation in action (reflective ethical decision making).
6. Learn how to communicate effectively and demonstrate the ability to communicate effectively in diverse school settings.
7. Develop the ability to think critically and apply critical thinking skills.

M.Ed. Elementary School Teaching Prerequisites

A bachelor's degree with at least six semester hours in each of these content areas for a minimum of 30 credit hours in the following areas (minimum of 6 hours in each area):

- Communication, including literature, composition and speech
- Mathematics
- Science
- Social Science

There are four undergraduate courses that are also required to be completed prior to student teaching (3 credits each):

| | | |
|------------|----------------------------------------------------------------------------|---|
| ART 104 | Elementary School Art | 3 |
| MUS 104 | Elementary School Music | 2 |
| EDU 131 | Literature for Children | 3 |
| or EDU 587 | Methods Of Teaching Religion In Elementary School | |
| EDU 209 | Methods of Teaching Physical Education and Health in the Elementary School | 3 |

M.Ed. Elementary School Teaching Degree Requirements

This is a 41-hour program. Scholarships for 50% of tuition costs are available to qualified students. Courses required are:

| | | |
|---------|---------------------------------------------------------|---|
| EDU 503 | Foundations of Education | 1 |
| EDU 510 | Growth And Development Of Children And Adolescents | 3 |
| EDU 565 | Methods Of Teaching Language Arts In Elementary School | 3 |
| EDU 566 | Methods of Teaching of Elementary Reading | 3 |
| EDU 567 | Methods of Teaching Social Studies in Elementary School | 3 |

| | | |
|---------------|--------------------------------------------------------------------------------------------|-------|
| EDU 525 | Procedures for Including Students with Mild/Moderate Disabilities in the Regular Classroom | 3 |
| EDU 535 | Human Relations And Cultural Diversity | 3 |
| EDU 568 | Engaged in Math: Effective Methodologies for Pre-Service Elementary School Teachers | 3 |
| EDU 569 | Methods of Teaching Science in Elementary School | 3 |
| EDU 500 | Remedial Reading | 3 |
| EDU 601 | Instructional Technology for the Classroom | 3 |
| EDU 583 | Management Practices For Classroom Teachers | 3 |
| EDU 572 | Action Research and Assessment for Teachers | 3 |
| EDU 591 | Clinical Practice (Student Teaching) | 3-14 |
| EDU 593 | Clinical Practice (Student Teaching) Seminar | 1 |
| Total Credits | | 41-52 |

Master of Education in Secondary School Teaching

These programs are designed for college graduates (with certain undergraduate degrees) who are interested in earning their Nebraska teaching certificate with a master's degree. These programs are accredited/approved by state, regional, and national accrediting agencies, including the National Council for Accreditation of Teacher Education (NCATE) and the Nebraska Department of Education.

Secondary (7-12) teaching endorsements are offered in the following areas: English, French, History, Religious Education (P-12), and Spanish.

The department also offers field endorsements in the following areas: Art (P-12), Language Arts, Mathematics (6-12), Science, and Social Science.

Many courses include field experience at an elementary or secondary school and the Creighton preservice teacher must arrange his or her own transportation. Prior to any education program coursework or field experience, the teacher education candidate must sign and have notarized two affidavits assuring that, a) he or she does not have a felony or misdemeanor conviction involving abuse, neglect, or sexual misconduct; and b) the teacher education candidate is in sound mental capacity. The candidate must maintain this status throughout the program. Also, prior to the first field experience, and again prior to student teaching, the preservice teacher must have a satisfactory background check through the Education Department.

Program Goals for M.Ed. Secondary School Teaching

Graduates will:

1. Understand human development and appreciate diverse learners.
2. Plan and use a variety of instructional strategies to accommodate diverse learners and help all students succeed and fulfill their potential.
3. Plan and use a variety of assessment strategies to diagnose learner needs and evaluate learning outcomes.
4. Collaborate with colleagues, parents, and community members to assist learners and to advance the school's mission.
5. Value and exhibit the Ignatian / Jesuit charisms of cura personalis (personal care), magis (excellence), men and women for and with

others (service and justice), and contemplation in action (reflective ethical decision making).

6. Learn how to communicate effectively and demonstrate the ability to communicate effectively in diverse school settings.
7. Develop the ability to think critically and apply critical thinking skills.

M.Ed. Secondary School Teaching Degree Requirements

There are two ways that this Master's degree can be pursued.

Accelerated M.Ed. in Secondary School Teaching

This 32-hour option is for students seeking to receive a standard master's degree and/or teaching certificate. Scholarships for 1/2 of tuition costs are available to qualified students. Courses required are:

| | | |
|---------------|--------------------------------------------------------------------------------------------|-------|
| EDU 503 | Foundations of Education | 1 |
| EDU 510 | Growth And Development Of Children And Adolescents | 3 |
| EDU 525 | Procedures for Including Students with Mild/Moderate Disabilities in the Regular Classroom | 3 |
| EDU 548 | Teaching Reading In Content Areas In Middle And Secondary Schools | 3 |
| EDU 551 | Methods Of Instruction For Secondary Teaching | 3 |
| EDU 575 | Action Research in Your Content Area | 3 |
| EDU 583 | Management Practices For Classroom Teachers | 3 |
| EDU 591 | Clinical Practice (Student Teaching) | 3-14 |
| EDU 593 | Clinical Practice (Student Teaching) Seminar | 1 |
| EDU 601 | Instructional Technology for the Classroom | 3 |
| EDU 535 | Human Relations And Cultural Diversity | 3 |
| EDU 652 | Differentiating High School Teaching | 3 |
| Total Credits | | 32-43 |

Magis Catholic Teacher Corps

This 34-hour option seeks to develop a core of highly motivated teachers to serve in underserved Catholic Schools. Each year a new cohort is admitted into the program. Upon acceptance, Magis teachers will make a commitment for two years to live in community and pursue professional and spiritual development while serving as full-time teachers in selected Catholic schools. This program is offered at no tuition cost to the participants. Courses required are:

| | | |
|---------|--------------------------------------------------------------------------------------------|---|
| EDU 503 | Foundations of Education | 1 |
| EDU 510 | Growth And Development Of Children And Adolescents | 3 |
| EDU 525 | Procedures for Including Students with Mild/Moderate Disabilities in the Regular Classroom | 3 |
| EDU 535 | Human Relations And Cultural Diversity | 3 |
| EDU 548 | Teaching Reading In Content Areas In Middle And Secondary Schools | 3 |
| EDU 551 | Methods Of Instruction For Secondary Teaching | 3 |
| EDU 583 | Management Practices For Classroom Teachers | 3 |
| EDU 601 | Instructional Technology for the Classroom | 3 |
| EDU 572 | Action Research and Assessment for Teachers | 3 |
| EDU 675 | Special Methods for Magis Teachers | 3 |
| EDU 686 | Beginning Practicum In Catholic Education | 1 |
| EDU 687 | Advanced Practicum In Catholic Education | 1 |

| | | |
|---------------|--------------------------------------------|----|
| EDU 688 | Beginning Internship In Catholic Education | 1 |
| EDU 689 | Advanced Internship In Catholic Education | 3 |
| Total Credits | | 34 |

Related Programs

The Education and Theology Departments offer additional certification programs. Please see the Theology department program descriptions in this catalog for the dual degree M.Ed./M.A. Theology program.

Master of Science (M.S.), Major in Educational Leadership: Teacher Leadership Specialization

The master's degree in educational leadership prepares individuals to play a leadership role in schools. Students may choose either the school administration program or the teacher leadership program in pursuit of the educational leadership degree.

Graduates will become educational leaders who:

1. Promote the success of all students by enabling a collaborative vision of student success, by sustaining a positive school culture, and by effectively managing the school.
2. Lead processes that collect and analyze information and that lead to decisions which effect change and improve the school.
3. Embody educational values that are based on the Ignatian and Education Department charisms of cura personalis, magis, men and women for and with others, and contemplation in action.
4. Communicate knowledge skillfully to specialized and non-specialied persons alike orally and in writing.
5. Incorporate reflective practice and apply ethical principles such as integrity and fairness when making personal and professional decisions.
6. Value diversity and respond to the interests and needs of a diverse community.

Specialization in Teacher Leadership

This 36-hour program is designed for teachers who want to assume leadership roles in their school but are not necessarily interested in becoming school administrators.

The requirements for all Educational Leadership Programs include a bachelor's degree, teaching certificate, and two years of teaching experience.

| | | |
|---------|-------------------------------------------------------------|---|
| EDL 607 | School Improvement | 3 |
| EDL 612 | Special Education Leadership | 3 |
| EDL 605 | Foundations of Catholic Education | 3 |
| EDL 609 | Curriculum, Instruction, and Assessment, Part I | 3 |
| EDL 610 | | 3 |
| EDL 619 | | 3 |
| NCR 632 | Collaborative Practice and Conflict Resolution in Education | 3 |
| EDL 622 | School Law | 3 |

Teacher Leadership Specialization Requirements

| | | |
|---------|-------------------------------------------|---|
| EDL 614 | Leading Professional Learning Communities | 3 |
| EDL 615 | | 3 |

| | | |
|---------------|--|----|
| or EDL 616 | | |
| EDL 635 | | 3 |
| or EDL 636 | | |
| Total Credits | | 33 |

Master of Science with a Major in Educational Leadership - Specialization in School Administration

The master's degree in educational leadership prepares individuals to play a leadership role in schools. Students may choose either the school administration program or the teacher leadership program in pursuit of the educational leadership degree.

Graduates will become educational leaders who:

1. Promote the success of all students by enabling a collaborative vision of student success, by sustaining a positive school culture, and by effectively managing the school.
2. Lead processes that collect and analyze information and that lead to decisions which effect change and improve the school.
3. Embody educational values that are based on the Ignatian and Education Department charisms of cura personalis, magis, men and women for and with others, and contemplation in action.
4. Communicate knowledge skillfully to specialized and non-specialized persons alike orally and in writing.
5. Incorporate reflective practice and apply ethical principles such as integrity and fairness when making personal and professional decisions.
6. Value diversity and respond to the interests and needs of a diverse community.

Specialization in School Administration

This 36-hour program is designed for the individual who desires to prepare for the position of elementary or secondary school principal.

The requirements for all Educational Leadership Programs include a bachelor's degree, teaching certificate, and two years of teaching experience.

M.S., Major in Educational Leadership: Specialization School Administration (30 credits)

| | | |
|---------|-------------------------------------------------------------|---|
| EDL 607 | School Improvement | 3 |
| EDL 612 | Special Education Leadership | 3 |
| EDL 605 | Foundations of Catholic Education | 3 |
| EDL 609 | Curriculum, Instruction, and Assessment, Part I | 3 |
| EDL 618 | Cultural Issues in Education | 3 |
| EDL 619 | | 3 |
| NCR 632 | Collaborative Practice and Conflict Resolution in Education | 3 |
| EDL 622 | School Law | 3 |

School Administration Specialization Requirements

| | | |
|---------|----------------------------------------------------|---|
| EDL 624 | Differentiated Supervision for Professional Growth | 3 |
|---------|----------------------------------------------------|---|

| | | |
|---------------|--------------------------------------------------|----|
| EDL 626 | Strategic Resourcing | 3 |
| EDL 614 | Leading Professional Learning Communities | 3 |
| EDL 639 | Internship I in Elementary School Administration | 3 |
| or EDL 640 | Internship I in Secondary School Administration | |
| EDL 643 | | 3 |
| or EDL 644 | | |
| Total Credits | | 39 |

Catholic School Leadership Option (4 specialized courses)

Students working in Catholic schools may complete 4 specialized courses as part of their 36-hour master's degree program to also earn the Catholic School Leadership (CSL) Certificate.

To earn the CSL certificate:

Students enroll in the section of these two courses that addresses Catholic school issues.

1. School Law
2. Strategic Resourcing

Students take these two courses as substitutes for the courses above that are marked with a double asterisk (**).

3. EDL 605 Foundations of Catholic Education (required for all students working in Catholic Schools)
4. EDL 627 Strategic and Political Leadership in Catholic Schools

A portfolio will be used as the culminating assessment for students in the school administration program. This is to be presented to the Educational Leadership faculty in the final six hours of the 36-hour master's degree program.

Graduate Certificate in Catholic School Leadership

Program Outcomes

The CSL certificate program outcomes come from the Catholic School Leadership Framework that a task force developed in 2007. The task force was comprised of representatives from the Education Department at Creighton and representatives from the Catholic Schools Office and Catholic schools in the Archdiocese of Omaha. An effective Catholic school leader demonstrates capability in each of the six specialized standards listed below.

Faith Leadership

1. Articulates and models active faith and morals.
2. Leads the community in worship and prayer.
3. Builds school faith community.
4. Generates a positive Catholic culture and environment in the school.
5. Facilitates the systematic mission formation of school personnel.

2. Mission Leadership

Catholic Church Teachings

1. Knows the fundamentals of Catholicism.
2. Conversant with Catholic teaching, especially in relation to current moral/ethical issues.

History and Philosophy of Catholic Education

1. Knows the evolutionary story of Catholic schools locally, nationally, and worldwide.
2. Understands the distinctive mission and philosophy of contemporary Catholic schools as promulgated by Church documents and scholars.
3. Communicates the Catholic identity and mission of the school verbally and in writing at every opportunity.

The Catholic School Leadership (CSL) Certificate is a 12-credit graduate program designed for current and aspiring Catholic school leaders working in Catholic schools who may already have a master's degree and/or do not have teaching or leadership experience in Catholic schools.

| | | |
|---------|--------------------------------------------------------|---|
| EDL 605 | Foundations of Catholic Education | 3 |
| EDL 622 | School Law | 3 |
| EDL 626 | Strategic Resourcing | 3 |
| EDL 627 | Strategic and Political Leadership in Catholic Schools | 3 |

Total Credits 12

Graduate Certificate in Early Childhood Education

The Early Childhood Education Certificate Program has been designed to develop expertise in professionals working with children from ages three through eight, which translates to pre-kindergarten through grade three. This program provides a broad spectrum of early childhood education courses, all strongly influenced by the beliefs of the National Association for the Education of young Children (NAEYC), and built on the Nebraska Department of Education endorsement standards. The program combines theory with observation and participation in clinical, community and school practicum settings. The program recognizes that early childhood development is a process of accommodation between the child, the teacher, and the child's environment. Students in the program will learn to translate content and pedagogical knowledge into practice. This, along with many diverse field experiences, will prepare the prospective teacher to understand and implement developmentally appropriate practice in the variety of environments affecting the young child.

Program Goals

1. Candidates prepared in early childhood education endorsement program are grounded in a child development knowledge base. They use their understanding of young children's characteristics and needs, and of multiple interacting influences on children's development and learning, to create environments that are healthy, respectful, supportive, and challenging for each child.
2. Candidates prepared in early childhood education endorsement program understand that successful early childhood education depends upon partnerships with children's families and communities. They know about, understand, and value the importance and complex characteristics of children's families and communities. They use this understanding to create respectful, reciprocal relationships that support and empower families, and to involve all families in their children's development and learning.
3. Candidates prepared in early childhood education endorsement program understand that child observation, documentation, and other forms of assessment are central to the practice of all early childhood professionals. They know about and understand the goals, benefits,

and uses of assessment. They know about and use systematic observations, documentation, and other effective assessment strategies in a responsible way, in partnership with families and other professionals, to positively influence the development of every child.

4. Candidates prepared in early childhood education endorsement program understand that teaching and learning with young children is a complex enterprise, and its details vary depending on children's ages, characteristics, and the settings within which teaching and learning occur. They understand and use positive relationships and supportive interactions as the foundation for their work with young children and families. Candidates know, understand, and use a wide array of developmentally appropriate approaches, instructional strategies, and tools to connect with children and families and positively influence each child's development and learning.
5. Candidates prepared in early childhood education endorsement program use their knowledge of academic disciplines to design, implement, and evaluate experiences that promote positive development and learning for each and every young child. Candidates understand the importance of developmental domains and academic (or content) disciplines in early childhood curriculum. They know the essential concepts, inquiry tools, and structure of content areas, including academic subjects, and can identify resources to deepen their understanding. Candidates use their own knowledge and other resources to design, implement, and evaluate meaningful, challenging curriculum that promotes comprehensive developmental and learning outcomes for every young child.
6. Candidates prepared in early childhood education endorsement program identify and conduct themselves as members of the early childhood profession. They know and use ethical guidelines and other professional standards related to early childhood practice. They are continuous, collaborative learners who demonstrate knowledgeable, reflective and critical perspectives on their work, making informed decisions that integrate knowledge from a variety of sources. They are informed advocates for sound educational practices and policies.

Early Childhood Education Graduate Certificate requirements (18 credits)

Take each of the following courses:

| | | |
|---------------|----------------------------------------------------------------------------------------|----|
| EDU 556 | Foundations and Best Practices of Early Childhood Education | 3 |
| EDU 557 | Investigating Critical and Contemporary Trends and Issues in Early Childhood Education | 3 |
| EDU 558 | Content and Methods Specific to Early Childhood Education | 3 |
| EDU 559 | Significant Concepts for Early Childhood Education | 3 |
| EDU 560 | Assessment, Observation, Screening and Evaluation in Early Childhood Education | 3 |
| EDU 561 | Becoming an Early Childhood Teaching Professional | 3 |
| Total Credits | | 18 |

Emergency Medical Services (EMS)

Program Director: Michael G. Miller, EdD, MS, BSEMS, RN, NRP
 Program Office: EMS Education, Vinardi Center/Old Gym

ems.creighton.edu

EMS Education Mission

The mission of the Creighton University Emergency Medical Services Education program is to provide high quality EMS education which will empower individuals to become compassionate, respectful, skilled and knowledgeable care providers who value education as a lifelong process.

EMS Education Vision Statement

Creighton University EMS Education will be recognized regionally and nationally for excellence in EMS education, scholarship and service.

EMS instructors will be recognized regionally and nationally as experts in EMS education and as leaders, innovators and scholars.

EMS graduates will be recognized by the EMS community for competence, character and dedication to excellence and they are continually recruited by reputable employers regionally and nationally, and are recognized by those employers as the most highly qualified of entry-level professionals.

EMS graduates will also be accepted into graduate and professional programs, including schools of medicine, law, and allied health professional schools.

Overview

Creighton University has been educating medical professionals for over 100 years and a leader in EMS Education for over 40 years. As the field continues to grow and change, leaders and educators with a background in emergency medicine are needed more than ever to help shape the future of Emergency Medical Services.

Creighton University's online Master of Science in Emergency Medical Services (EMS) will give you the edge in today's competitive professional world of EMS. Our program is carefully designed to provide you with the most current curriculum. You will learn from accomplished faculty members who are national and international leaders in EMS. You will benefit from their experience as you build your base of theoretical and practical knowledge. Throughout your studies you will acquire tools and techniques that will increase your effectiveness and expand your career opportunities.

This 36-credit hour program is offered in 8-week online courses.

This program prepares healthcare professionals with EMS experience and a baccalaureate degree for leadership roles requiring administration, planning, education and training and research and development.

Develop skills in:

- EMS leadership
- Organizational development and change
- Financial management
- Clinical quality management
- Legal and ethical aspects
- Analysis and Implementation of Research
- Human resource management

Program Goals

Graduates with the Master of Science degree in Emergency Medical Services will:

1. Demonstrate competency in EMS administration, including human resources management, leadership, planning, communication, clinical care, EMS operations and finance;
2. Work effectively and in solidarity across the distinctions of human diversity;
3. Communicate respectfully and effectively through all modes of expression;
4. Combine critical thinking, disciplined research, and effective problem-solving in EMS;
5. Employ ethical decision making, service, and civic responsibility in accordance with the Judeo-Christian tradition and Ignatian values and those values consistent with the health care professions and EMS in serving as a leader, administrator, educator, mentor, and advocate for the field of EMS.

Admission Requirements

Preferred candidates would be experienced EMS professionals with at least three years practice experience in the field of EMS, a related BA or BS degree with a GPA of at least 3.2. Additional requirements include:

1. Completed **application** and application fee;
2. **Curriculum Vitae** including relevant education and any employment history, certifications and licensures, teaching and research experience, publications, presentations, awards, honors, affiliations, professional associations, experience and background in EMS and/or healthcare.
3. **Personal Statement:** Using 500 words or less, please respond to the following: Explain how successful completion of this program will assist you in achieving your professional goals.
4. **Recommendation forms:** Three letters of recommendation submitted by persons other than family members and preferably submitted by employers, undergraduate faculty, and colleagues;
5. **Official transcripts** from all colleges/universities attended;
6. **Test of English as a Foreign Language (TOEFL):** All international applicants from countries in which English is not the primary language must demonstrate proficiency in English language by submitting a minimum TOEFL score of 90 iBT (233 CBT/577 PBT). International applicants who receive their baccalaureate or higher degree from an accredited institution in the US, United Kingdom, Ireland, Canada, Australia, New Zealand, or Africa (English-speaking only) are not required to submit a TOEFL score report.

Assessment Plan for Student Learning

The grading system for all courses is based on formally developed rubrics. The standard university A-B-C- F grading scale is utilized throughout the program, except in the practica courses, which are graded as (S) Satisfactory and (U) Unsatisfactory. Candidates for program completion will complete a capstone project as partial fulfillment of the requirements for the MS EMS degree. Capstone projects will be reviewed by the MS EMS faculty and two recognized EMS leaders that have a Master's degree in EMS or a related field, such as management, science, education, medicine, or nursing.

Degree in Emergency Medical Services

- Master of Science with a Major in Emergency Medical Services (p. 89)

Certificate in Emergency Medical Services

A Certificate in EMS may be available. Contact the department for information.

Courses

EMS 601. EMS Leadership. 3 credits.

This course begins with the fundamental concepts and theories of leadership. Students will reflect on their own experiences with leadership and the concepts of leadership and leadership styles that they have developed through prior studies and social experiences in prior years. The students will learn about the current theories of situational leadership, servant leadership, transformational leadership and others.

EMS 602. Organizational Development and Organizational Change. 3 credits.

In today's ever-changing business environment, it is imperative for leaders within EMS organizations to understand the process of organizational development and how it can be leveraged to promote organizational effectiveness. They must also understand the role of organizational change and how change affects individuals, organizations, and processes. This course is designed to advance students' knowledge of organizational development and change, familiarizing students with the fundamentals of organizational behavior, change theory, organizational leadership and strategic management. Students will assess and diagnose EMS organizations with respect to artifacts, espoused values, mission statements, vision statements, performance goals, objectives and outcome measures.

EMS 603. Clinical Practice and Quality Assurance. 3 credits.

Patient care in EMS is most frequently provided in isolated settings outside of hospitals and clinics by one individual or a small team of two or three emergency medical technicians and paramedics. Assuring up-to-date competency, compliance and quality are important systemic challenges in the field of EMS management and leadership. This course will follow the steps of a sound Quality Improvement Program beginning with assessing opportunities, determining how to collect the necessary information, collecting and analyzing data, and utilizing data for quality improvement. Students will learn how to develop and utilize quality metrics both unique to their organizations as well as those determined by regulatory agencies.

EMS 604. EMS Financial Management. 3 credits.

EMS fiscal management is complex and diverse. EMS spans the healthcare, public safety, firefighting, not-for-profit, for-profit, hospital system subsidiary agency, aero medical services, military services and other sectors of the economy, each with differences in funding sources, reporting requirements, budgetary cycles, and fiscal management strategies. EMS fiscal management must be competent and current to remain competitive and serve the interests of the community.

EMS 605. Ethics in EMS. 3 credits.

This course focuses on the practical application of foundational concepts of ethics to clinical, administrative, and educational settings for EMS professionals including ethical case analyses. Given the special environments in which EMS operate, there will be an emphasis placed on interprofessional collaboration and communication. EMS shares a set of medical and research ethics with medicine and nursing, however, EMS leaders and managers must also be competent in the EMS culture and special environment in which EMS operates.

EMS 606. Education for EMS Professionals. 3 credits.

This course provides a graduate-level learning opportunity for EMS professionals to develop an understanding of the principles, practices and theory of EMS education. Those students who complete this course will be prepared to administer, plan, develop and advocate for EMS education and training programs at multiple organizational levels, including nationally accredited institutions of higher learning, municipal and other government-based training agencies, and independent for profit and not-for-profit training agencies, as well as serving in governmental regulatory positions that have oversight responsibilities for EMS education and training. Employee orientation and employee development processes will also be explored.

EMS 607. Human Resource Management in Healthcare. 3 credits.

Students will be introduced to the importance of strategic human resources management in organizations, with a focus on healthcare enterprises. Topics covered will include recruitment, hiring, compensation, training, and motivating employees to create a productive and dynamic work environment. The course will also examine the impact of the legal, economic and legislative environment on strategic human resource management, as well as explore the impact of labor relations on the organization and employee.

EMS 608. EMS Law, Regulations, and Risk Management. 3 credits.

The field of EMS is governed by a complex set of federal, state and municipal laws and regulations. EMS leaders need to be aware of the applicable law and regulations, as well as the interpretations and actions established as a result of these laws. In addition to an overview of the US judicial system, civil liability, risk management, negligence, and employment law topics will be explored.

EMS 609. EMS Research: An Introduction to Study Design and Research Methods. 3 credits.

Evidence-based research has a profound influence on EMS operations. This course is designed to introduce basic concepts related to scientific and social inquiry. While students will not be conducting and completing original research as part of this course, basic research methodology and the processes necessary to conduct a study will be reviewed. Critical analysis of research studies will be completed, with an emphasis on reviewing the strength of the evidence.

EMS 620. Practicum in EMS Leadership. 3 credits.

The practicum is designed to be a hands-on experience intended to allow the student to apply culminated knowledge in a real world EMS leadership environment. With the guidance of the faculty advisor, the student will determine a suitable practicum site and emphasis of study, developing a detailed proposal to guide completion of the fieldwork project during the term.

EMS 640. Independent Study. 1-3 credits.

Students who take independent study credits are expected to study an area of interest in EMS leadership in great depth. The topic is developed in consultation between the student and faculty mentor, based on ideas the student has expressed in the Independent Study Project Proposal. This project will require an in-depth literature review as well as extensive data gathering, analysis, and synthesis of material into a final written paper.

EMS 650. Capstone Project. 3 credits.

To be eligible for the MSEMS Capstone Project, students must have successfully completed all core coursework (21 credits). The purpose of the Capstone Project is to provide the student with the opportunity to apply their acquired knowledge in EMS leadership, while continuing to explore and enhance skills as EMS leaders. Projects will be developed in consultation between the student and faculty mentor.

Master of Science with a Major in Emergency Medical Services

Master of Science in Emergency Medical Services Requirements (36 credits)

Core Courses (21 credits)

| | | |
|---------|--------------------------------------------------------------------|---|
| EMS 601 | EMS Leadership | 3 |
| EMS 602 | Organizational Development and Organizational Change | 3 |
| EMS 603 | Clinical Practice and Quality Assurance | 3 |
| EMS 605 | Ethics in EMS | 3 |
| EMS 607 | Human Resource Management in Healthcare | 3 |
| EMS 608 | EMS Law, Regulations, and Risk Management | 3 |
| EMS 609 | EMS Research: An Introduction to Study Design and Research Methods | 3 |

Electives (12 credits)

| | | |
|---------|---------------------------------|---|
| EMS 604 | EMS Financial Management | 3 |
| EMS 606 | Education for EMS Professionals | 3 |
| EMS 620 | Practicum in EMS Leadership | 3 |
| EMS 640 | Independent Study | 3 |

Other courses may be developed, and students are welcome to take courses in other programs that may be of interest such as the Negotiation and Dispute Resolution or Master of Public Health programs. Other graduate level coursework may also be accepted in transfer toward elective credit hours to a total of 6 credit hours.

Capstone Project (3 credits)

| | | |
|---------------|------------------|----|
| EMS 650 | Capstone Project | 3 |
| Total Credits | | 36 |

Graduate Certificate in EMS

Contact the department.

English

Program Directors: Faith Kurtyka, Robert Whipple, Bridget Keegan
Program Office: Creighton Hall - Administration Building, Room 135H

Graduate Study in English

English graduate programs that lead to the degree of Master of Arts are constructed upon a foundation of literary study that allows students to specialize and also encourages broader knowledge of the field of English studies.

Program Goals

This curriculum especially aims to contribute to achieving the following of the College of Arts and Sciences Learning Goals. Upon completion of their graduate studies in English, students will:

1. Understand the range of work in English Studies, including its various skills, development and practices, as that work relates to each student's professional goals by participating in those skills and practices in the learning and teaching classroom and through the conception and realization of peer-reviewed conference presentations and scholarly articles;

2. Be prepared to join a community of learners through a fuller realization of each student's status as a peer in the profession by full participation in seminars and the submission of work for peer-reviewed presentation and publication;
3. Contribute to the promotion of a collaborative and supportive professional work environment by taking part in those professional practices appropriate for the learning and teaching classroom, conferences, professional service, and publication.

Admission Requirements

Applicants for the M.A. program in English should include a completed application and application fee; undergraduate transcripts from all colleges/universities attended; three letters of recommendation; statement of professional purpose (500-750 words); and a writing sample, either critical or creative, depending on the student's area of interest (approximately 10-15 pages). In addition, students should submit either official GRE scores OR ensure that at least one letter of recommendation is from a former or current professor who can speak to the applicant's preparation for graduate study.

Degrees in English

Master of Arts with a Major in English and a Concentration in:

- Literature (p. 92)
- Creative Writing (p. 92)
- Rhetoric and Composition (p. 92)
- Teaching (p. 93)

Courses

ENG 600. Introduction to Graduate Study. 3 credits. FA

Bibliography, critical theory, and the use of electronic media in scholarship will be introduced, explored, and used in the process of literary scholarship and writing.

ENG 601. Studies in Medieval Literature. 3 credits.

Topics, works, authors selected by the offering faculty member will be studied under close supervision and direction. Only one or two students per term will be accepted for a studies course. Only students with considerable background in the period will be admitted to the course. Offered on demand.

ENG 603. Studies In Renaissance Literature. 3 credits.

Topics, works, authors selected by the offering faculty member will be studied under close supervision and direction. Only one or two students per term will be accepted for a studies course. Only students with considerable background in the period will be admitted to the course. Offered on demand.

ENG 605. Studies in Neoclassical Literature. 3 credits.

Topics, works, authors selected by the offering faculty member will be studied under close supervision and direction. Only one or two students per term will be accepted for a studies course. Only students with considerable background in the period will be admitted to the course. Offered on demand.

ENG 607. Studies in Romantic Literature. 3 credits.

Topics, works, authors selected by the offering faculty member will be studied under close supervision and direction. Only one or two students per term will be accepted for a studies course. Only students with considerable background in the period will be admitted to the course. Offered on demand.

ENG 609. Studies In Victorian Literature. 3 credits.

Topics, works, authors selected by the offering faculty member will be studied under close supervision and direction. Only one or two students per term will be accepted for a studies course. Only students with considerable background in the period will be admitted to the course. Offered on demand.

ENG 611. Studies in American Literature to 1865. 3 credits.

Topics, works, authors selected by the offering faculty member will be studied under close supervision and direction. Only one or two students per term will be accepted for a studies course. Only students with considerable background in the period will be admitted to the course. Offered on demand.

ENG 613. Studies In American Literature, 1865-1914. 3 credits.

Topics, works, authors selected by the offering faculty member will be studied under close supervision and direction. Only one or two students per term will be accepted for a studies course. Only students with considerable background in the period will be admitted to the course. Offered on demand.

ENG 615. Studies In Modern English And American Literature. 3 credits.

Topics, works, authors selected by the offering faculty member will be studied under close supervision and direction. Only one or two students per term will be accepted for a studies course. Only students with considerable background in the period will be admitted to the course. Offered on demand.

ENG 617. Studies in Irish Literature. 3 credits.

Topics, works, authors selected by the offering faculty member will be studied under close supervision and direction. Only one or two students per term will be accepted for a studies course. Only students with considerable background in Irish Literature will be admitted to the course.

ENG 620. Studies In The History Of Rhetoric. 3 credits.

Topics, works, authors selected by the offering faculty member will be studied under close supervision and direction. Only one or two students per term will be accepted for a studies course. Only students with background in rhetoric will be admitted to the course.

ENG 622. Studies In Rhetorical Theory. 3 credits.

Topics, works, authors selected by the offering faculty member will be studied under close supervision and direction. Only one or two students per term will be accepted for a studies course. Only students with background in rhetorical theory will be admitted to the course.

ENG 630. Studies in Literary Criticism. 3 credits.

Topics, works, authors selected by the offering faculty member will be studied under close supervision and direction. Only one or two students per term will be accepted for a studies course. Only students with background in literary criticism will be admitted to the course.

ENG 640. Creative Writing Workshop. 3 credits.

A group workshop focused on the individual writing interests of the students. Some will work on stories, others on poems, still others on creative non-fiction, and some on plays or screenplays.

ENG 680. Supervised Practicum In Writing. 3 credits.

In addition to weekly conferences and/or workshops, the student will work in the English Department Writing Center: tutoring students one-on-one, analyzing writing problems, using the computer as a tutorial aid.

ENG 681. Supervised Practicum In The Teaching Of Composition. 3 credits.

In addition to weekly conferences and/or workshops, the student will assist a senior faculty member in the teaching of a composition course: preparing a syllabus, delivering lectures, leading discussions, making assignments, grading compositions, using the computer in the teaching process.

ENG 682. Supervised Practicum In The Teaching Of Literature. 3 credits.

In addition to weekly conferences and/or workshops, the student will assist a senior faculty member in the teaching of a composition course: preparing a syllabus, delivering lectures, leading discussions, making assignments, grading compositions.

ENG 683. Supervised Practicum in the Teaching of Creative Writing. 3 credits.

In addition to weekly conferences and/or workshops, the student will assist a senior faculty member in the teaching of a creative writing course: preparing a syllabus, delivering lectures, leading discussions, making assignments, grading compositions, using the computer in the teaching process.

ENG 700. Professionalization in English Studies. 3 credits.

This course is designed to help students develop as scholars and researchers in the field of professional literary studies and rhetoric and composition by helping in three main areas: conference presentations, journal article writing and submitting, and applications to Ph.D. graduate programs of study and/or applications for grants, fellowships, or other study opportunities. Students will develop a project of their choice as both a conference presentation and a paper for publication; students will also be given the opportunity to apply for conferences and submit their final projects for publication. P: ENG 600.

ENG 701. Seminar In Medieval Literature. 3 credits.

Thorough and intensive study of the period. Students will write papers, make in-class presentations, participate in discussions. These are offered on a regular basis. See the Graduate Director for a Perpetual Calendar.

ENG 703. Seminar In Renaissance Literature. 3 credits.

Thorough and intensive study of the period. Students will write papers, make in-class presentations, participate in discussions. These are offered on a regular basis. See the Graduate Director for a Perpetual Calendar.

ENG 705. Seminar In Neoclassical Literature. 3 credits.

Thorough and intensive study of the period. Students will write papers, make in-class presentations, participate in discussions. These are offered on a regular basis. See the Graduate Director for a Perpetual Calendar.

ENG 707. Seminar In Romantic Literature. 3 credits.

Thorough and intensive study of the period. Students will write papers, make in-class presentations, participate in discussions. These are offered on a regular basis. See the Graduate Director for a Perpetual Calendar.

ENG 709. Seminar In Victorian Literature. 3 credits.

Thorough and intensive study of the period. Students will write papers, make in-class presentations, participate in discussions. These are offered on a regular basis. See the Graduate Director for a Perpetual Calendar.

ENG 711. Seminar In American Literature To 1865. 3 credits.

Thorough and intensive study of the period. Students will write papers, make in-class presentations, participate in discussions. These are offered on a regular basis. See the Graduate Director for a Perpetual Calendar.

ENG 713. Seminar In American Literature, 1865-1914. 3 credits.

Thorough and intensive study of the period. Students will write papers, make in-class presentations, participate in discussions. These are offered on a regular basis. See the Graduate Director for a Perpetual Calendar.

ENG 715. Seminar In Modern English And American Literature. 3 credits.

Thorough and intensive study of the period. Students will write papers, make in-class presentations, participate in discussions. These are offered on a regular basis. See the Graduate Director for a Perpetual Calendar.

ENG 717. Seminar in Irish Literature. 3 credits.

Thorough and intensive study of the period. Students will write papers, make in-class presentations, participate in discussions. These are offered on a regular basis. See the Graduate Director for a Perpetual Calendar.

ENG 720. Topics In The History Of Rhetoric And Pedagogy. 3 credits.

Thorough and intensive study of the period. Students will write papers, make in-class presentations, participate in discussions. These are offered on a regular basis. See the Graduate Director for a Perpetual Calendar.

ENG 721. Seminar in Literary Criticism. 3 credits.

Thorough and intensive study of the period. Students will write papers, make in-class presentations, participate in discussions. These are offered on a regular basis. See the Graduate Director for a Perpetual Calendar.

ENG 722. Topics in Rhetoric and Composition Theory. 3 credits.

Thorough and intensive study of the period. Students will write papers, make in-class presentations, participate in discussions. These are offered on a regular basis. See the Graduate Director for a Perpetual Calendar.

ENG 723. Topics In Technology And Rhetoric. 3 credits.

Thorough and intensive study of the period. Students will write papers, make in-class presentations, participate in discussions. These are offered on a regular basis. See the Graduate Director for a Perpetual Calendar.

ENG 724. Topics in Rhetoric and Composition Pedagogy. 3 credits.

Thorough and intensive study of the period. Students will write papers, make in-class presentations, participate in discussions. These are offered on a regular basis. See the Graduate Director for a Perpetual Calendar.

ENG 730. Postcolonial Dialogues: Africans and Other Post-Colonial Subjects. 3 credits.

This course examines the concept of postcolonialism and focuses primarily on African literary texts which dialogue with some other postcolonial world literatures-Asian, Caribbean, Latin American, etc.- on issues of colonialism, language, power, and identity. P: Gr. stdg.

ENG 740. Principles of Literary Editing. 3 credits.

The course will cover the duties, responsibilities, and practices of the literary editor, including units on reviewing, editing, copy editing, proofreading, desktop and web publishing. The purpose of the course is to provide students with the skills necessary for the writing profession and for possible employment in publishing.

ENG 745. Seminar in Postcolonial Literature. 3 credits.

Graduate seminar in postcolonial literatures of the world in English.

ENG 789. Special Topics in English Graduate Studies. 3 credits.

Study of specialized topics or issues that cut across or do not fit within traditional periods or genres.

ENG 793. Directed Independent Readings. 1-3 credits.

Thorough and intensive study of the period. Students will write papers, make in-class presentations, participate in discussions. These are offered on a regular basis. See the Graduate Director for a Perpetual Calendar.

ENG 795. Directed Independent Study. 3 credits.

Directed Independent Study. P:DC.

ENG 797. Directed Independent Research. 3 credits.

Directed Independent Study. P: DC.

ENG 798. Master's Essay Or Three -Paper Option Or Creative Thesis. 3 credits.

An essay of 50-75 pages on a topic agreed upon with the supervising faculty member. Upon completion, the paper will be reviewed and graded by a panel of three faculty members, including the supervising faculty member. The student will be expected to select the panel with the approval of the graduate director.

Master of Arts with a Major in English - Concentration in Creative Writing

Master of Arts with a Major in English - Concentration in Creative Writing (36 hours)

Foundation Courses

| | | |
|---------|--------------------------------|---|
| ENG 600 | Introduction to Graduate Study | 3 |
| ENG 721 | Seminar in Literary Criticism | 3 |

Creative Writing Core

| | | |
|---------|-------------------------------------------|----|
| ENG 640 | Creative Writing Workshop (four sections) | 12 |
|---------|-------------------------------------------|----|

Literature Support Unit

Select any four English courses at the 600-level or above (excluding ENG 640) in consultation with the Graduate Directors. 12

Capstone Courses

| | | |
|---------|----------------------------------------------------------|---|
| ENG 798 | Master's Essay Or Three -Paper Option Or Creative Thesis | 3 |
|---------|----------------------------------------------------------|---|

Select one of the following: 3

| | | |
|---------|----------------------------------------------------------|--|
| ENG 680 | Supervised Practicum In Writing | |
| ENG 681 | Supervised Practicum In The Teaching Of Composition | |
| ENG 682 | Supervised Practicum In The Teaching Of Literature | |
| ENG 683 | Supervised Practicum in the Teaching of Creative Writing | |

Total Credits 36

Master of Arts with a Major in English - Concentration in Literature

Master of Arts with a Major in English - Concentration in Literature (36 credits)

Foundation Courses

| | | |
|---------|--------------------------------|---|
| ENG 600 | Introduction to Graduate Study | 3 |
| ENG 721 | Seminar in Literary Criticism | 3 |

Literature Core Courses

Select eight courses from the following: 24

| | | |
|---------|-------------------------------------------|--|
| ENG 701 | Seminar In Medieval Literature | |
| ENG 703 | Seminar In Renaissance Literature | |
| ENG 705 | Seminar In Neoclassical Literature | |
| ENG 707 | Seminar In Romantic Literature | |
| ENG 709 | Seminar In Victorian Literature | |
| ENG 711 | Seminar In American Literature To 1865 | |
| ENG 713 | Seminar In American Literature, 1865-1914 | |

| | | |
|---------|---------------------------------------------------|--|
| ENG 715 | Seminar In Modern English And American Literature | |
|---------|---------------------------------------------------|--|

| | | |
|---------|--------------------------------------------------------|--|
| ENG 717 | Seminar in Irish Literature | |
| ENG 722 | Topics in Rhetoric and Composition Theory ¹ | |
| ENG 745 | Seminar in Postcolonial Literature | |

(The candidate may petition the Graduate Directors to substitute up to two Studies or Private Readings courses in lieu of scheduled seminars.)

Capstone Courses

| | | |
|---------|----------------------------------------------------------|---|
| ENG 798 | Master's Essay Or Three -Paper Option Or Creative Thesis | 3 |
|---------|----------------------------------------------------------|---|

Select one of the following: 3

| | | |
|---------|----------------------------------------------------------|--|
| ENG 680 | Supervised Practicum In Writing | |
| ENG 681 | Supervised Practicum In The Teaching Of Composition | |
| ENG 682 | Supervised Practicum In The Teaching Of Literature | |
| ENG 683 | Supervised Practicum in the Teaching of Creative Writing | |

Total Credits 36

¹ ENG 722 may be taken twice if different topic is covered.

Master of Arts with a Major in English - Concentration in Rhetoric and Composition

Master of Arts with a Major in English - Concentration in Rhetoric and Composition (33 hours)

Foundation Courses

| | | |
|---------|--------------------------------|---|
| ENG 600 | Introduction to Graduate Study | 3 |
| ENG 721 | Seminar in Literary Criticism | 3 |

Composition Core

| | | |
|---------|------------------------------------------------|---|
| ENG 720 | Topics In The History Of Rhetoric And Pedagogy | 3 |
| ENG 722 | Topics in Rhetoric and Composition Theory | 3 |
| ENG 723 | Topics In Technology And Rhetoric | 3 |
| ENG 724 | Topics in Rhetoric and Composition Pedagogy | 3 |

Literature Support Unit

Select any three literature seminars in consultation with Graduate Director. 9

Capstone Courses

| | | |
|---------|----------------------------------------------------------|---|
| ENG 798 | Master's Essay Or Three -Paper Option Or Creative Thesis | 3 |
|---------|----------------------------------------------------------|---|

Select one of the following: 3

| | | |
|---------|-----------------------------------------------------|--|
| ENG 680 | Supervised Practicum In Writing | |
| ENG 681 | Supervised Practicum In The Teaching Of Composition | |
| ENG 682 | Supervised Practicum In The Teaching Of Literature | |

ENG 683 Supervised Practicum in the Teaching of Creative Writing

Total Credits 33

Master of Arts with a Major in English - Concentration in Teaching

Master of Arts with a Major in English - Concentration in Teaching (33 hours)

Foundation Courses

| | | |
|---------|--------------------------------|---|
| ENG 600 | Introduction to Graduate Study | 3 |
| ENG 721 | Seminar in Literary Criticism | 3 |

Composition Core

| | | |
|---------|---------------------------------------------|---|
| ENG 722 | Topics in Rhetoric and Composition Theory | 3 |
| ENG 723 | Topics In Technology And Rhetoric | 3 |
| ENG 724 | Topics in Rhetoric and Composition Pedagogy | 3 |

Required Literature Core

Select 12 credits from the following: 12

| | | |
|---------|---------------------------------------------------|--|
| ENG 703 | Seminar In Renaissance Literature | |
| ENG 707 | Seminar In Romantic Literature | |
| ENG 709 | Seminar In Victorian Literature | |
| ENG 711 | Seminar In American Literature To 1865 | |
| ENG 713 | Seminar In American Literature, 1865-1914 | |
| ENG 715 | Seminar In Modern English And American Literature | |

Capstone Courses

| | | |
|---------|----------------------------------------------------------|---|
| ENG 798 | Master's Essay Or Three -Paper Option Or Creative Thesis | 3 |
|---------|----------------------------------------------------------|---|

Select one of the following: 3

| | | |
|---------|----------------------------------------------------------|--|
| ENG 680 | Supervised Practicum In Writing | |
| ENG 681 | Supervised Practicum In The Teaching Of Composition | |
| ENG 682 | Supervised Practicum In The Teaching Of Literature | |
| ENG 683 | Supervised Practicum in the Teaching of Creative Writing | |

Total Credits 33

Master of Finance

Program Director: Dr. Randy Jorgensen
Program Office: Harper Center

Graduate Study in Finance

The Master of Finance (MFIN) program, which consists of 33 hours (11 classes) of graduate credit beyond the foundation, is designed for students who are interested in graduate studies in Finance. The program allows for advanced study of both corporate finance and investments while also providing for the study of managerial topics essential to the working finance professional. The MFIN degree is ideal for students who want to focus more of their studies in finance than they could if they pursued an MBA degree with a concentration in finance. It is also appropriate for students who do not desire the depth in investments

provided by the Master of Investment Management and Financial Analysis (MIMFA) degree.

Program Goals

1. Exhibit disciplinary knowledge and behavior essential in financial management.
2. Think critically to aid decision-making.
3. Commit to action that demonstrates care for others.
4. Exhibit personal habits consistent with personal formation.

Admission

1. **Eligibility for Admission:** Applicants for admission to the MFIN program must have a baccalaureate degree, regardless of the undergraduate field of study, and an acceptable level of scholarship from an accredited institution of higher education, along with the following documents:
2. **Application:** A completed online application form, personal essay discussing how a master's degree fits in with an applicant's career plans and which aspects of Creighton's MFIN program are most appealing, current resume, and a non-refundable application fee.
3. **Recommendations:** Two recommendations are required. The recommendations should be completed by persons other than family members who are capable of assessing an applicant's performance in an academic or work setting.
4. **Transcripts:** One official transcript must be sent from each institution of collegiate rank attended by the applicant. Transcripts should be sent directly from the collegiate institution to Enrollment Services, Harper Center, 2500 California Plaza, Omaha, NE 68178. All such transcripts become the property of Creighton University.
5. **Graduate Management Admissions Test (GMAT)¹:** All applicants must submit an acceptable score report on the Graduate Management Admissions Test (GMAT). The GMAT is administered by the PearsonVUE. Further information about the GMAT may be obtained at MBA.com.
6. **Test of English as a Foreign Language (TOEFL):** The Graduate School requires all students who are native speakers of languages other than English to demonstrate competence in English by a score of at least 90 on the Internet-based Test (TOEFL iBT) with Listening and Speaking sub-scores of at least 19 and Reading and Writing sub-scores of at least 21. International applicants who received their baccalaureate degree from an accredited institution in the U.S., United Kingdom, Canada (excluding French Quebec), Australia, New Zealand, or Africa (English speaking only) are not required to submit a TOEFL score report. The IELTS may be substituted for the TOEFL provided an applicant's overall band score is at least 6.5 with no subscore below 6.
7. **Financial Ability:** All international applicants must provide a "Certification of Available Finances" form in order for the I-20 form to be issued by the Office of International Programs if an applicant is admitted to the program.

Acceptance to the MFIN Program is granted to applicants who clearly demonstrate that they have high promise of succeeding in graduate business study. Interviews are not required as part of the admission process. Applicants who wish to visit the campus prior to submitting their application materials are welcome to contact the Graduate Business Programs to schedule an appointment.

¹ *GMAT Exemption Practices*

1. GRE Performance: Applicants who have already taken the GRE may substitute their GRE performance for their GMAT score. The applicant's verbal GRE score must be at least 153 and the quantitative score must be at least 144. The applicant must also be above the 20th percentile in both categories.
2. Professional Graduate Degrees: Applicants may be exempt from taking the GMAT if they have earned a professional graduate degree. Examples of such degrees include: J.D., M.D., Ph.D., D.D.S., Ed.D., and Pharm.D.
3. Professional certifications: Applicants who have earned CPA certification or CFA certification (have passed at least Level 1) may be exempted from taking the GMAT.
4. Creighton business graduates: Applicants who have earned a BSBA degree from Creighton University College of Professional Studies in the last 10 years with at least a 3.5 overall GPA plus at least a 3.75 GPA in all accounting, finance, and statistics courses taken may be exempted from taking the GMAT.

Degree Program

- Master of Finance (p. 94)

Master of Finance

The Master of Finance program may be taken either as a campus-based program or online.

Students without an undergraduate **Principles of Financial Accounting** class must also complete MBA 701 Financial Reporting for MBAs which is a prerequisite for the MIM classes.

Master of Finance (33 credits)

Core (24 hours)

| | | |
|---------|---------------------------------------------------------|---|
| MIM 722 | Fixed Income and Derivatives I | 3 |
| MIM 724 | Quantitative Analysis | 3 |
| MIM 730 | Financial Statement Analysis I | 3 |
| MIM 734 | Equity Analysis | 3 |
| MBA 711 | Managerial Finance | 3 |
| | or MBA 712 Adv Managerial Finance if MBA 711 is waived. | |
| MSF 735 | Portfolio Management | 3 |
| MBA 771 | Leadership and Organizational Behavior | 3 |
| MBA 775 | Business Policy And Managerial Action | 3 |

Elective Group I (3 hours)

| | | |
|----------------------------------------------------|-----------------------------------------|---|
| Students must choose one of the following courses: | | |
| MIM 732 | Economics of Investment Management | 3 |
| MBA 741 | Economic Analysis for Managers | 3 |
| MBA 742 | Seminar in Applied Managerial Economics | 3 |

Elective Group II (3 hours)

| | | |
|----------------------------------------------------|------------------------------------|---|
| Students must choose one of the following courses: | | |
| MIM 720 | Ethical and Professional Standards | 3 |
| MBA 776 | Business, Ethics and Society | 3 |

Elective Group III (3 hours)

| | | |
|--------------------------------------------------------------------------------------------------------------|--|---|
| Students must choose one elective, subject to approval of the MFIN director, from MBA, MIM or MSF offerings. | | |
| | | 3 |

| | | |
|---------------|--|----|
| Total Credits | | 33 |
|---------------|--|----|

Government Organization and Leadership

Executive Director: Dr. Nick Mirkay
Program Office: Law School

Program Mission and Objectives

The Government Organization and Leadership (GOAL) program is designed as a joint-degree program to prepare Creighton law students to assume leadership positions as attorneys working for government entities. Students in the program acquire valuable information and skills useful across the full array of government activity. While the program focuses primarily on the roles of lawyers within the federal government, GOAL graduates emerge from the program well equipped to succeed in state and local government as well. The program is both theoretical and practical: students develop a sophisticated construct of the role of lawyers in government and apply their learning during an intensive full-time externship in a federal governmental office. GOAL offers students:

- A legal/organizational framework for understanding the role of government counsel;
- A set of core competencies to understand and effectively participate as lawyers in leadership and organizational roles in government;
- An enhanced capacity for working as government lawyers in federal agencies;
- Practical skills and techniques in strategic planning, problem solving, collaboration, decision making, and consensus building;
- A detailed understanding of government standards of ethical conduct and ethical principles arising from core values of our society and the Jesuit tradition; and
- Tools to enhance performance and achieve desirable outcomes in career pursuits.
- Graduate in 3 years with a joint JD/MS degree

Degree in Government Organization and Leadership

- Master of Science with a Major in Government Organization and Leadership (p. 95)
- Juris Doctor/Master of Science, major in Government Organization and Leadership Dual Degree Program (<http://catalog.creighton.edu/law/dual-degree-programs/government-organization-leadership-dual-degree-jd-ms>)

Courses

GOL 660. Local Government Law. 3 credits. (See LAW 306)

This course examines the basics of Local Government Law: (1) the configurations and powers of the various types of local governments (e.g. cities, counties, and special districts); (2) the allocation of power between states and their local governments; (3) sources of revenue for and debt limitations that apply to local governments; and (4) interlocal cooperation and regional governments. The course also considers how these law basics affect current issues in metropolitan "megaregions." The course also develops skills of particular relevance to local governmental and political decision making: statutory interpretation, analyzing the dynamics and context of local government proceedings, and tracing the connection between applicable legal doctrine and current public policy issues.

GOL 670. Government Organization and Research. 1 credit.

Students are oriented to the organizational structure of federal entities and the organization of the federal government. They are trained in government documents research; emphasizing agency records and legislation. GOL 670 meets as part of the last half of the Advanced Legal Research [LAW 313] course. Credit hours awarded for this course do not count as credit toward the JD degree.

GOL 680. Leadership: Theories, Models, Behavior. 3 credits.

The course looks at a variety of theories and approaches to leadership and examines topics such as skills, styles, and ethics of organizational leadership. It also looks at situational and psychodynamic approaches and the role of transformational leadership and considers leadership ethics. Emphasis is placed on organizational culture in various dimensions and on managing organizational cultural change. Students are expected to engage in and present case studies on organizational leadership. This course requirement must be satisfied prior to the externship semester in Washington, D.C.

GOL 690. Workshop: Emerging Perspectives on Governance. 2 credits. FA

This workshop emphasizes complex systems concepts in governance. Students develop skills in areas such as network mapping, power dynamics, and bridging. This course may be offered in successive spring semesters, allowing GOAL students to engage in these discussions both before and after their externship experiences. The paper completed for this course satisfies the major paper requirement for the M.S. degree. Credit hours awarded for this course do not count as credit toward the JD degree.

GOL 710. Counsel Roles and Leadership in Government Agencies. 3 credits.

The course will provide a comprehensive look at the major functions of government lawyers. Heavy emphasis is placed upon exploring the question of "who is the client?" and upon developing knowledge and skills in working with other managerial stakeholders within agencies and with external stakeholders such as OMB, Congress, other agencies. The course will be offered on a 2-week intensive basis just prior to commencement of the externship; part of the course will be aimed at preparing the student to get the most out of the externship.

GOL 720. Ethics in Government. 2 credits.

This course offers a detailed introduction to the Office of Government Ethics, designated agency ethics officials (DAEO), and the Standards of Ethical Conduct. Students will also look at broader ethical concepts as well as comparing formal government ethics with other ethical systems, including the Model Rules of Professional Conduct. The course will run during the externship time period and will meet one evening each week.

GOL 730. Externship Program. 11 credits. (see LAW 370)

This program is a full time government externship spanning approximately 3 months, providing an opportunity for intensive study of government legal processes and counsel office operations. Externships will be aimed at developing skills through in-depth work on a variety of assignments. Each week, students will meet together with a member of the law faculty (some weeks in person, others, on-line) to discuss issues and experiences; students will also be invited to a variety of presentations and activities involving government lawyers. Students are expected to work closely and cooperatively with administrators of the GOAL program to secure externships. Failure to do so will reduce placement opportunities. With guidance and advice from GOAL administrators, students should secure housing in advance of the semester.

GOL 740. Immigration Law. 3 credits. (See LAW 370)

This course explores the history of United States immigration legislation from the Alien and Sedition Acts to the present, with emphasis on the McCarran-Walter Act of 1952 and the 1965 and 1976 Amendments. Coverage includes immigrant and nonimmigrant visas including visas based on employment, refuses and political asylum; excludable classes; entry procedure; deportable classes; the deportation process; and naturalization.

GOL 750. Native American Law. 3 credits.

The subject matter of this class centers on discovering the range, depth and complexity of law and policy both emanating from and directly affecting American Indian tribes. Treaties concluded between tribes and the U.S. government during America's westward expansion and the attendant assumption of fiduciary responsibility by Congress form the basis on which subsequent laws and policies are examined. Issues to be studied include tribal court structure, federalism questions, gaming and hunting rights and exemptions, and the implementation of major statutes under U.S. Code Title 25 such as the Indian Child Welfare Act and the 1990 Native American Graves & Repatriation Act.

Master of Science with a Major in Government Organization and Leadership

Program of Study

The Master of Science (M.S.) degree in Government Organization and Leadership (GOAL) requires completion of 35 credit hours, an externship in Washington D.C. and a major paper. Thirteen (13) credit hours may be satisfied by courses taken for the Juris Doctor (J.D.) degree. Five (5) credit hours of GOAL courses may serve as credit toward the JD degree. The program includes a full-time externship at a government office in Washington, DC. While in DC, students take three classes, participate in conferences, networking events, and other opportunities as they arise.

M.S., Government Organization and Leadership course requirements (35 credits):

Required Courses Taught on Campus

| | | |
|---------|-------------------------------------------------|---|
| LAW 307 | Administrative Law | 3 |
| LAW 406 | State and Local Governments in a Federal System | 3 |
| GOL 670 | Government Organization and Research | 1 |
| GOL 680 | Leadership: Theories, Models, Behavior | 3 |
| GOL 690 | Workshop: Emerging Perspectives on Governance | 2 |

Required Courses Taught in Washington DC (Fall Semester, 3rd Year)

To participate in this part of the program, students must have at least a 2.25 law school GPA, must otherwise be in good standing, and must have completed four semesters of law school.

| | | |
|---------|-----------------------------------------------------|----|
| GOL 710 | Counsel Roles and Leadership in Government Agencies | 3 |
| GOL 720 | Ethics in Government | 2 |
| GOL 730 | Externship Program | 11 |

Electives

| | | |
|------------------------------------------------------------|------------------------------------|---|
| Select a minimum of seven credits from the following list: | | 7 |
| LAW 311 | Advanced Constitutional Law | |
| LAW 325 | Banking Law and Regulation | |
| LAW 306 | Conflict Engagement and Leadership | |
| LAW 309 | Comparative Constitutional Law | |

| | |
|---------------|-------------------------------------------------------------------------------------------------------|
| LAW 339 | Copyrights |
| LAW 432 | Education Law |
| LAW 350 | Elder Law |
| LAW 346 | Employment Discrimination |
| LAW 349 | Environmental and Natural Resources Law |
| LAW 351 | Estate and Gift Taxation (Federal) |
| LAW 340 | Federal Courts: Relations Between Federal Courts & Congress & Between the Federal Courts & the States |
| LAW 363 | Federal Income Taxation |
| LAW 376 | Health Care Organizations |
| LAW 347 | Health Care Insurance Law |
| LAW 370 | Immigration Law |
| LAW 379 | International Environmental Law |
| LAW 423 | International Law |
| LAW 342 | International Trade Regulation |
| LAW 381 | Labor Law |
| LAW 387 | Land Use Law |
| LAW 402 | Law of Armed Conflict |
| LAW 397 | Legal Issues in Electronic Commerce |
| LAW 409 | National Security and Foreign Relations Law |
| LAW 403 | Native American Law |
| LAW 407 | Oil and Gas Law |
| LAW 413 | Patent Law I |
| LAW 436 | Securities Regulation |
| LAW 428 | Employee Rights and Benefits |
| LAW 443 | State and Local Taxation |
| LAW 440 | Trademarks and Unfair Competition |
| LAW 361 | Federal Courts: Jurisdiction and Procedure of the District Courts |
| LAW 438 | Supreme Court Seminar |
| NCR 624 | Dynamics of Conflict |
| Total Credits | |
| 35 | |

PROGRAM TIMELINE

In the 2nd and 3rd years of law school (with additional summer school attendance), students should take the cluster of required, on-campus GOAL classes: Administrative Law, Leadership, the Workshop on Governance, and State & Local Governments, and the requisite number of qualifying law school elective courses. In the fall semester of the 3rd year of law school, students will participate in the Washington, D.C. courses and the externship. To graduate with both degrees, students need to complete a total of 124 classroom hours:

- 89 law school credit hours (5 GOAL credit hours for courses taken during the Washington, D.C. semester count toward both the JD and MS degrees).
- 35 GOAL credit hours (13 law school credit hours count for both the JD and MS degrees).

To complete both the M.S. (with a major in GOAL) and J.D. requirements in 3 years, students should plan to earn seven or more hours of law credit during their two summer school sessions. Students should be aware that participation in the GOAL program may reduce opportunities to

participate in certain other law school extracurricular offerings, such as Law Review, Moot Court, and trial teams.

Healthcare Administration

Health Care Ethics

Program Director: Amy M. Haddad

Program Office: Center for Health Policy and Ethics

Graduate Study in Health Care Ethics

The M.S. in Health Care Ethics degree program is designed for students who are seeking a deeper understanding of the impact of relevant cultural, philosophical, political, and legal issues in health care practices and policies, especially regarding their impact on vulnerable populations. The maxim of the Center for Health Policy & Ethics is “Anchored in ethics, reflecting Jesuit values.” Pursuant to promoting the Jesuit value of concern for people who are poor and marginalized, students will be encouraged to critically reflect on their own attitudes, actions, and personal development during the program. Faculty will draw strongly upon a variety of disciplines to form and educate agents of change through intellectual and humanistic engagement with the enterprises of health care.

Program Goals

Students who complete the M.S. in Health Care Ethics degree will be able to:

1. Discern the ethical problems, ambiguities, controversies, and assumptions in health care practices, systems, policies, and laws.
2. Discuss how the general concerns of ethics, particularly regarding vulnerability and marginalization, apply to health care practices, systems, policies, and laws.
3. Critically reflect on personal and professional attitudes, actions, and development in response to readings, discussions, clinical cases, or simulations.
4. Draw upon the humanities and liberal arts in the process of ethical reflection about the structures of health care.
5. Compare and contrast the following from an ethical perspective: health care practices, systems, and cultures at national and international levels.
6. When presented with an issue of ethical concern, apply ethical principles, norms, and theories; provide justification for a particular response or course of action in a persuasive manner; anticipate counter arguments; and offer suitable rebuttals.
7. Educate others about ethical issues in health care.
8. Evaluate ethical policy documents to improve the ethical quality of health care.
9. Facilitate open discussion among multiple stakeholders in ethically complex situations.
10. Synthesize and publicly communicate findings from research and critical reflection on a selected topic of ethical concern.

Admission Requirements

To be considered for admission to the Master of Science (M.S.) program in Health Care Ethics, applicants must have a baccalaureate or higher degree. Applicants who do not hold a post-baccalaureate degree must have an undergraduate GPA of at least 3.0 in the last 60 credits of undergraduate study. Those who do not meet the minimum undergraduate GPA requirement may request to take up to two courses

in the Creighton University M.S. in Health Care Ethics program as a non-degree-seeking, "Special Student." If they receive a "B" or higher in those two courses, prospective students may apply for full admission into the program, and the minimum undergraduate GPA requirement will be waived.

Applicants must submit the following documents:

Application: Applicants must submit a completed application form and non-refundable application fee.

- Curriculum vitae: Applicants should include relevant education and any employment history, certifications and licensures, teaching and research experience, publications, presentations, awards, honors, affiliations, professional associations, experience and background in health care ethics.
- Essay: Using 500 words or less per question, applicants should respond to the following:
 1. List three "big" questions in contemporary health care ethics and choose one of the questions to answer or write a commentary on why you believe this particular issue is so important. Present your own ideas, using as much as possible your own words. If you include content from others, you should properly identify each source with a complete reference.
 2. Explain how successful completion of this program will assist you in achieving your professional goals.
- Recommendation forms: Applicants are required to provide three recommendation forms. The recommendations should be completed and submitted by persons other than family members who are capable of assessing their performance in an academic or work setting.
- Transcripts: Applicants must submit official transcripts from all colleges and universities they previously attended. Issuing institutions must send the transcripts directly to Creighton University Graduate School.
- Graduate Record Examination (GRE): All applicants who do not hold a post-baccalaureate degree must submit an official score report on the Graduate Record Examination or show evidence of success in graduate-level course work through successful completion of at least two graduate-level courses. While the GRE is generally the preferred exam for admission to the program, scores from other post-baccalaureate entrance exams will be accepted, including the MCAT, GMAT, LSAT and MAT.
- Test of English as a Foreign Language (TOEFL): All international applicants from countries in which English is not the primary language must demonstrate proficiency in the English language by submitting a minimum TOEFL score of 80 iBT (213 CBT/550 PBT). International applicants who received their baccalaureate or higher degree from an accredited institution in the U.S., United Kingdom, Ireland, Canada, Australia, New Zealand, or Africa (English-speaking only) are not required to submit a TOEFL score report.

Degrees in Health Care Ethics

- Master of Science with a Major in Health Care Ethics (p. 99)
- M.D./M.S. in Health Care Ethics Dual Degree Program (p. 99)

Certificate in Health Care Ethics

- Health Care Ethics (p. 99)

Courses

MHE 600. Scholarly Reading and Writing. 3 credits.

The course will build on and improve existing writing skills. Students and faculty are all members of a larger writing community in which one contributes to an on-going dialogue. Thus, the course assumes that there is always something to learn to improve one's writing. The specific aims of the course are two-fold: 1) to produce clear and precise written work and 2) to accurately credit and incorporate the scholarly work of others. The underlying structure of the course includes the recognition, attribution and summary of existing scholarship. Additionally, the course will focus on responding to existing work and distinguishing a response, anticipation of arguments and tying it all together. The concrete templates or rhetorical moves that will be used to improve academic writing will also impact reasoning and organizational abilities. The course assumes understanding of the rules of English grammar, spelling, syntax, and punctuation.

MHE 601. Health Policy. 3 credits.

MHE 601 explores health policy and its development, emphasizing social justice and human rights. Students consider institutional, local, regional, national, and international approaches to public health, health systems, and priorities for research and development. American health systems - operations, processes, successes, and failures - are extensively analyzed. Students consider processes for and challenges in making health policy at institutional, state, and federal levels. Past and current attempts at health systems reform are reviewed, stressing 2010 U.S. healthcare reform.

MHE 602. Research Ethics. 3 credits.

This course will enhance students' understanding of core ethical issues in biomedical research and improve their ability to analyze, explain, and justify relevant cases, arguments, positions, and policies. The focus is biomedical research involving human participants. A stress is investigation involving populations and communities with vulnerability. Study of historically pivotal cases leads to review of ethical, policy, and programmatic responses. Students also study ethical factors in community-based research, informed consent, multinational research, genomics, and neuroscience. Discussions develop collective inquiry related to core topics. Individual papers also develop students' knowledge and aim to enhance their analytical and compositional skills.

MHE 603. Law and Health Care Ethics. 3 credits.

This course explores the crucial connection between health law and health care ethics. The course focuses on major ethical themes that have emerged in the law and highlights specific interconnections of doctrines that have come out of landmark cases. The course will also examine the significant and fundamental differences between health care ethics and health law.

MHE 604. Social and Cultural Contexts of Health Care. 3 credits.

This class introduces the student to the various contexts of personal and social experience that construct and interpret bioethics. Participants consider identity and autonomy as embedded in social matrices ranging from the body itself to global configurations. Various power dynamics of class, legitimacy, and ideology are considered. Participants analyze the culture of the biomedical project and the challenge of finding one's voice within it. P or CO: MHE 600.

MHE 605. Philosophical Bioethics. 3 credits.

This course reviews the nature of ethical reasoning, including various epistemological challenges to moral judgment. Second, major theories of ethics will be introduced, including virtue ethics, deontology, utilitarianism, casuistry and principlism. Third, signature texts by protagonists of these historical theories will be compared and contrasted with contemporary critics, with specific reference to issues of vulnerability. P: MHE 601 or MHE 602.

MHE 606. Theories of Justice. 3 credits.

This course builds on Philosophical Bioethics (MHE 605) and Health Policy (MHE 601) by advancing students' knowledge of ethical reasoning and by familiarizing students with theories of justice, in particular. This course will introduce students to theoretical and practical complexities, ambiguities, and persistent questions at the intersections of clinical ethics, social policy, and health justice. P: MHE 601 and MHE 605.

MHE 607. Practical Ethics in Health Care Settings. 3 credits.

The practical application of ethics to clinical situations is much more than following standards of practice. This course will provide the opportunity to apply foundational concepts of ethics to a variety of health care settings. Additionally, the use of deliberative methods to think through and discuss the unique features presented by different health care settings and professional conduct will be an integral component of the course. The typical charges of institutional ethics committees will be examined: consultation, education, and policy review/development. P: MHE 601, 602 603 or 604.

MHE 608. Practicum. 3 credits.

This course requires synthesis of content from all previous foundational course work. Students will analyze vulnerability and corresponding ethical issues as they pertain to a particular group, population, policy, or structure. Students will develop a practical plan for responding to the ethical issue or problem that has been identified in a collaborative and constructive manner with key individuals at the practicum site. Students will integrate appropriate course content and other relevant support material into the plan. P: MHE 600, MHE 601, MHE 602, MHE 603, MHE 604, MHE 605, MHE 606, MHE 607.

MHE 609. Capstone. 3 credits.

In this final required course of the degree program, students are expected to integrate insights gained and competencies acquired. Applying scholarly methods of bioethical inquiry and composition, students will develop a scholarly product on a theme related to their Practicum course experience. P: MHE 600, MHE 601, MHE 602, MHE 603, MHE 604, MHE 605, MHE 606, MHE 607, and MHE 608.

MHE 614. Ethical Aspects of End-of-Life Care. 3 credits.

This course examines different end-of-life care practices including forgoing treatment, PAS/euthanasia, palliative care, sedation and decision-making for incompetent patients. Students reflect on their own views on disabilities, aging and dying; examine the merits of policies/legislation; and consider how society at large can come to appreciate those dying in our midst.

MHE 619. Rescue and Transplantation: Manifestations of Scarcity and Power in U.S. Health Care. 3 credits.

This elective course combines the perspectives of bioethics and anthropology. It focuses on the impact on society of a rescue-oriented health care system and the promotion of transplantation as a quintessential form of rescue. Through reading, discussion, and reflection students explore the concepts of rescue, scarcity, and the search for control in terms of acute care and mortality in the U.S. Students also choose one of several international perspectives on organ transplantation, compare it to a U.S. perspective, and present their finds to the class. The course begins by considering how CPR and the obligation to rescue reflects and shapes both U.S. health care and the social construction of dying and death in the American hospital. The course relates rescue to scarcity and power, including power over nature. The course considers micro and macro perspectives as it explores the organ transfer project, its promises, and its ability to deliver on those promises. Finally, students consider an alternative set of ideas to contrast to rescue's positivist frame. P or CO: MHE 600.

MHE 622. Public Health Ethics. 3 credits.

This course introduces students to ethical issues in population health and the discipline of public health. This course draws upon some of the major discourses and analyses in human rights, social justice and other ethical theory, and health policy to consider health and healthcare as aggregate public and social goods. The ethical dimensions of geopolitical, economic, cultural, environmental, educational, and social influences on health will be explored in global, national, and community contexts. The course will consider ethical questions about the discipline of public health and the roles of governments, academic medical centers, healthcare organizations, health professions, professionals, and members of the public as stewards of health. P: MHE 600.

MHE 623. Catholic Bioethics. 3 credits.

Intensive introduction to the Catholic tradition in bioethics-including theological and philosophical foundations, key teachings of the church's Magisterium, and points of current controversy. Special focus on Catholic understandings of human dignity and justice, in general and as applied to selected health care issues. Pre- or co-requisite(s): MHE 600.

MHE 624. Oral Health Care at the Intersection of Professional and Business Ethics. 3 credits.

This course reviews the ethical challenges faced by health care providers who are both private entrepreneurs and members of a profession. Business and professional aims are not identical and may even be mutually exclusive. The course focuses on ethical issues in the practice of dentistry and oral health care, but many other health providers face similar conflicts, such as pharmacists, optometrists, physical/occupational therapists, and plastic surgeons. Specific attention will be paid to the historical development of the dental profession, underserved populations, esthetic treatments, advertising, error management, and peer review. P: MHE 600.

MHE 695. Independent Study in Health Care Ethics. 3 credits.

This course offers students the opportunity to explore a topic in health care ethics in depth. Specifically, students will collaborate with the instructor to design a plan to achieve agreed upon learning goals, strategies to achieve goals, and evidence of learning. P: MHE 600 or MHE 601 or MHE 602 or MHE 603 or MHE 604 or MHE 605 or MHE 606 or MHE 607, and permission of instructor.

Master of Science with a Major in Health Care Ethics

The M.S. in Health Care Ethics consists of 33 credit hours. All students complete the 30 hours of Core Courses and select a minimum of one 3 credit-hour elective. Offered in an online format with no required residency, all courses are offered as eight-week modules. Since the program will target working professionals, most students will be part-time, taking only one course per eight-week term. Students who take one course each term will complete the program in two years. Near the end of their coursework, students design a Practicum experience to analyze a particular group, population, policy, or structure that raises significant concerns about vulnerability and develop a practical plan for responding to the identified ethical issue or problem in a constructive manner. The Capstone course will allow students to integrate insights gained and competencies acquired throughout the program.

Master of Science (M.S.) in Health Care Ethics (33 credits)

Degree Requirements

Core Courses

| | | |
|---------|---------------------------------------------|---|
| MHE 600 | Scholarly Reading and Writing | 3 |
| MHE 601 | Health Policy | 3 |
| MHE 602 | Research Ethics | 3 |
| MHE 603 | Law and Health Care Ethics | 3 |
| MHE 604 | Social and Cultural Contexts of Health Care | 3 |
| MHE 605 | Philosophical Bioethics | 3 |
| MHE 606 | Theories of Justice | 3 |
| MHE 607 | Practical Ethics in Health Care Settings | 3 |
| MHE 608 | Practicum | 3 |
| MHE 609 | Capstone | 3 |

Elective

| | | |
|------------------------------|--------------------------------------------------------------------------------------|---|
| Select one of the following: | | 3 |
| MHE 614 | Ethical Aspects of End-of-Life Care | |
| MHE 619 | Rescue and Transplantation: Manifestations of Scarcity and Power in U.S. Health Care | |
| MHE 622 | Public Health Ethics | |
| MHE 623 | Catholic Bioethics | |
| MHE 624 | Oral Health Care at the Intersection of Professional and Business Ethics | |
| MHE 695 | Independent Study in Health Care Ethics | |

Total Credits 33

Electives will be offered on a rotating basis and subject to adequate minimum student enrollment.

M.D./M.S. in Health Care Ethics Dual Degree Program

The Creighton University School of Medicine and the Graduate School offer a coordinated dual degree program leading to the separate conferral of both the Medical Doctor and the Master of Science in Health Care Ethics degrees. The M.D./M.S. path is structured to seamlessly integrate the two degrees. Students complete one ethics course the summer between the M1 and M2 year. Then, students take a full year to focus

on the M.S. degree between the M2 and M3 years. The IDC 135 Ethical and Legal Topics in Clinical Medicine course, which is part of the M1 Curriculum, meets the elective requirement for the M.S. degree. During the M4 year, students will complete the M.S. degree by taking the MHE 609 Capstone course, which will also fulfill two M4 elective requirements.

Admission Requirements

Admission to the M.D./M.S. in Health Care Ethics requires acceptance into the medical degree program at Creighton University and completion of an entrance questionnaire and essay.

Applicants must submit the following documents:

- **Application:** Applicants must submit a completed application form.
- **Essay:** Using 500 words or less per question, applicants should respond to the following:

1. List three "big" questions in contemporary health care ethics and choose one of the questions to answer or write a commentary on why you believe this particular issue is so important. Present your own ideas, using as much as possible your own words. If you include content from others, you should properly identify each source with a complete reference.
2. Explain how successful completion of this program will assist you in achieving your professional goals.

M.D./M.S. applicants will also be asked to grant the Creighton University School of Medicine permission to release the entire contents of their AMCAS (American Medical College Application Service) application to the Creighton University Graduate School and the Center for Health Policy and Ethics for the purpose of application to the Master of Science in Health Care Ethics program.

Graduate Certificate in Health Care Ethics

The Graduate Certificate in Health Care Ethics consists of 15 credit hours total composed of 4 three-hour courses plus MHE 600 Scholarly Reading and Writing (3 credit hours). Students will design their own program of study composed of courses listed below consistent with their career and development interests.

Graduate Certificate in Health Care Ethics requirements: (15 credits)

Required course:

| | | |
|---------|-------------------------------|---|
| MHE 600 | Scholarly Reading and Writing | 3 |
|---------|-------------------------------|---|

Choose from courses below: 12

| | | |
|---------|--------------------------------------------------------------------------------------|--|
| MHE 601 | Health Policy | |
| MHE 602 | Research Ethics | |
| MHE 603 | Law and Health Care Ethics | |
| MHE 604 | Social and Cultural Contexts of Health Care | |
| MHE 605 | Philosophical Bioethics ¹ | |
| MHE 606 | Theories of Justice ¹ | |
| MHE 607 | Practical Ethics in Health Care Settings ¹ | |
| MHE 614 | Ethical Aspects of End-of-Life Care | |
| MHE 619 | Rescue and Transplantation: Manifestations of Scarcity and Power in U.S. Health Care | |

| | | |
|---------------|--------------------------------------------------------------------------|----|
| MHE 622 | Public Health Ethics | |
| MHE 623 | Catholic Bioethics | |
| MHE 624 | Oral Health Care at the Intersection of Professional and Business Ethics | |
| MHE 695 | Independent Study in Health Care Ethics | |
| Total Credits | | 15 |

¹ These courses require an instructor waiver as there are prerequisites.

Health and Wellness

Program Director: Tom Lenz

Being healthy is not just about managing chronic disease or even preventing such conditions. The programs in Health and Wellness at Creighton University focus on the creation of health by emphasizing the true causes of illness with a highly personal approach. The programs use an interdisciplinary approach with a focus on whole person health to help individuals thrive in the communities in which they live, work and spend their time. The suite of programs within Health and Wellness include a Bachelor of Arts degree in Healthy Lifestyle Management, a Graduate Certificate in Lifestyle Management, and an upcoming Master of Science degree in Health and Wellness Coaching and other Graduate Certificates.

Program Goals

The Master of Science in Health and Wellness Coaching prepares students to:

1. Have the knowledge, skills and values to work with people across their lifespan to improve their personal health and well-being so that they can thrive in the community in which they live, work and spend their time, and
2. Work collaboratively with patients/clients and an interdisciplinary team to promote health and well-being with and for individuals with and without a chronic disease, and
3. Successfully obtain nationally recognized credentialing in health and wellness coaching, and
4. Successfully pursue a career in the health and wellness industry.

Admission Requirements

Requirements for admission to the graduate programs in Health and Wellness include:

1. Completed application form with \$50 application fee
2. Current resume
3. Statement of purpose (2-3 pages, double-spaced) outlining the reasons for applying for admission and the intended goals
4. Official transcripts from all educational institutions attended
5. Three recommendations by persons familiar with the applicant's academic background, achievements and personal qualities
6. Proof of regular access to the technology needed to take online courses
7. Proof of completion of a health related degree, credentialing, or health related coursework

*All international applicants from countries in which English is not the primary language must demonstrate proficiency in the English language by submitting a minimum TOEFL score of 80 iBT (213 CBT/550PBT).

*Creighton University reserves the right to request GRE scores or a personal interview.

The Master of Science in Health and Wellness Coaching program is designed to prepare students to have the knowledge, skills and values to work inter-collaboratively with people across their lifespan to improve their personal health and well-being so that they can thrive in the community in which they live, work and spend their time. A core value of the program emphasizes the whole person health needs of an individual with emphasis on personal care. Students have the *option* of choosing a *traditional research/practicum track* or may choose an *applied track* and specialize in one of three areas related to health and wellness coaching: healthy aging, care coordination, or program design, evaluation and leadership.

Degree Programs

- Master of Science, Health and Wellness Coaching (p. 101)
- Master of Science, Health and Wellness Coaching - Applied Track (Effective through Fall 2016) (p. 102)

Graduate Certificates

- Lifestyle Medicine (p. 102)

Courses

HWC 501. Personal Development for the Health and Wellness Coach. 3 credits.

A fundamental component to health and wellness coaching is self-awareness, continuous personal development, daily reflection, personal balance, and the self-promotion of health and well-being. This course provides students with tools and practices to achieve and maintain these fundamental components.

HWC 591. Advanced Lifestyle Medicine. 2 credits.

Lifestyle medicine is the use of healthy lifestyle behaviors to prevent and treat chronic diseases. In this course, students will consider comprehensively applying lifestyle medicine strategies to healthy individuals, to those with chronic diseases, and as part of a self-care program. Students will also consider lifestyle medicine as its own medical explanatory framework for disease, illness and health.

HWC 650. Health Behavior Modification. 3 credits.

This course provides students with a broad perspective on the many factors that determine health, with emphasis on healthy lifestyle behaviors. Students will construct, implement and modify healthy lifestyle programs for case patients/clients with and without chronic disease and across the lifespan. Special emphasis will be placed on understanding the pathophysiology and current treatment strategies of common chronic diseases. Students also learn how to evaluate and read research papers that are based on lifestyle medicine practices and procedures.

HWC 651. Nutrition for Chronic Disease. 3 credits.

This course reviews the basic principles of human nutrition with emphasis on the relationship between diet and health, and diet and disease. Students will learn and practice how to construct, implement, and modify personalized nutrition programs for patients/clients with and without chronic disease and across the lifespan. Students also learn how to evaluate and read research papers that are based on nutrition practices and procedures. P: HWC 591.

HWC 652. Exercise for Chronic Disease. 3 credits.

This course reviews the basic principles of aerobic and anaerobic fitness and their relationship with health and disease. Students will learn and practice how to construct, implement, and modify personalized exercise programs for patients/clients with and without chronic disease and across the lifespan. Students also learn how to evaluate and read research papers that are based on exercise practices and procedures. P: HWC 591.

HWC 653. Stress and Sleep Management. 3 credits.

This course studies stress and sleep and their respective impacts on health and chronic disease across the lifespan. Several stress management techniques are debated and practiced with emphasis on mind-body medicine and the relaxation response. Students also learn how to evaluate and read research papers that are based on stress and sleep management practices and procedures.

HWC 654. Healthy Aging Across the Lifespan. 3 credits.

This course presents an analysis of contemporary issues that contribute to health risk factors across the lifespan from infancy to elderly populations. Healthy aging will be discussed from the perspectives of clinical health, healthy lifestyle choices, social and economic factors, and the physical environment. The promotion of health and well-being will be emphasized across the lifespan.

HWC 655. Care Coordination and Team-Based Care. 3 credits.

This course will discuss the skills necessary to help patients successfully navigate through the healthcare system over the course of the lifespan. Emphasis will be placed on the knowledge, skills and values needed to serve as a liaison between patients and their healthcare team and serve as a guide and advocate. Students will learn about team-based care dynamics and how to be an effective member of a team in a health and wellness setting.

HWC 670. Research Methods and Program Design. 3 credits.

This course will explore of quantitative and qualitative research techniques applicable to health and wellness literature and program design. By the end of the course, students will be able to evaluate research and the program designs of others. In addition, students will be able to design their own programs with the appropriate methods of evaluation.

HWC 760. Advanced Health and Wellness Coaching. 3 credits.

This advanced course will prepare students for health and wellness coaching through the practice of program design and implementation of individuals within the community. Special emphasis will also be placed on team building skills and business practices related to health and wellness coaching.

HWC 770. Capstone in Health and Wellness Coaching. 3 credits.

This independent study course pulls together the many topics and experiences that each student obtained from their program course of study and applies the knowledge, skills and values learned towards an independent study project. Students reflect on their prior coursework, service, research, experiential training and their own personal journey with health and well-being to complete a portfolio in preparation for the next step of their professional career.

HWC 771. Field Research and Thesis Writing. 6 credits.

This course is taken by students who opt for the field research track with writing a thesis based on the field research findings. Students will closely interact with and be mentored by their advisor in collecting, analyzing, and interpreting data and when they write the thesis.

HWC 772. Library Research and Thesis Writing. 6 credits.

This course is taken by students who opt for the library research track with writing a thesis based on the library research findings. Students will closely interact with and be mentored by their advisor in searching for, analyzing, and interpreting data and when they write the thesis.

HWC 773. Practicum and Program Development. 6 credits.

This course is taken by students who opt for the practicum track with developing a program, assessment tool, educational material, etc. for a practicum organization supervised by someone within the organization and by the academic advisor. Both the academic advisor and the organization's supervisor will assess the developed "product" and the academic advisor will assign the grade.

HWC 795. Directed Independent Study. 1-6 credits.

Students participate in independent scholarly projects under the supervision of a faculty member. P: Department consent.

HWC 798. Practicum in Health and Wellness Coaching. 3 credits.

Students who opt for the practicum track will work with a health/well-being-related organization to gain experience in the field of health and wellness coaching. During the practicum, students will design and develop an independent project that is mutually beneficial to the student and the organization. Students will be supervised by someone within the organization and by a faculty instructor. Course is repeatable up to 6 credits. P: Department Consent.

HWC 799. Capstone in Health and Wellness Coaching. 3 credits.

This course is designed to challenge students to reflect upon the Health and Wellness Coaching curriculum with the goal of defining their vocation, creating their personal health coaching philosophy, and identifying evidence based strategies they plan to use in their future health coaching practice while considering the broad and distinct landscape of health and well-being. P: Department Consent.

M.S., Health and Wellness Coaching

Effective through Fall 2016

Master of Science, Health and Wellness Coaching - Traditional Track (36 credits)

Required Courses

| | | |
|---------|--------------------------------------------------------|---|
| GRD 601 | Writing for Graduate Students | 1 |
| HWC 501 | Personal Development for the Health and Wellness Coach | 3 |
| HWC 591 | Advanced Lifestyle Medicine | 2 |
| HWC 650 | Health Behavior Modification | 3 |
| HWC 651 | Nutrition for Chronic Disease | 3 |
| HWC 652 | Exercise for Chronic Disease | 3 |
| HWC 653 | Stress and Sleep Management | 3 |
| HWC 670 | Research Methods and Program Design | 3 |
| HWC 760 | Advanced Health and Wellness Coaching | 3 |

Research/Thesis or Practicum

Select one of the following:

| | | |
|---------|-------------------------------------|--|
| HWC 771 | Field Research and Thesis Writing | |
| HWC 772 | Library Research and Thesis Writing | |
| HWC 773 | Practicum and Program Development | |

Electives

Select 6 credits from the following:

| | | |
|---------|-----------------------------------|--|
| HLM 520 | Spirituality and Health | |
| HWC 654 | Healthy Aging Across the Lifespan | |

| | |
|----------------------|--------------------------------------------------------------------------|
| HWC 655 | Care Coordination and Team-Based Care |
| MHE 603 | Law and Health Care Ethics |
| MHE 604 | Social and Cultural Contexts of Health Care |
| MLS 602 | History and Politics |
| MMA 590 | Social Epidemiology |
| MMA 591 | Food, Culture, and Nutritional Health |
| MMA 630 | Health Care and Health Services: Anthropological Perspectives |
| MPH 608 | Health Communication and Informatics |
| MPH 633 | Health Economics and Finance |
| NCR 620 | Introduction to Negotiation and Dispute Resolution |
| NUR 756 | Health Promotion and Disease Prevention in the Gerontological Population |
| Total Credits | 36 |

Effective Spring 2017**Master of Science, Health and Wellness Coaching (36 credits)****Required Courses**

Take each of the following:

| | | |
|---------|--------------------------------------------------------|---|
| GRD 601 | Writing for Graduate Students | 1 |
| HWC 501 | Personal Development for the Health and Wellness Coach | 3 |
| HWC 591 | Advanced Lifestyle Medicine | 2 |
| HWC 650 | Health Behavior Modification | 3 |
| HWC 651 | Nutrition for Chronic Disease | 3 |
| HWC 652 | Exercise for Chronic Disease | 3 |
| HWC 653 | Stress and Sleep Management | 3 |
| HWC 670 | Research Methods and Program Design | 3 |
| HWC 760 | Advanced Health and Wellness Coaching | 3 |
| HWC 799 | Capstone in Health and Wellness Coaching | 3 |

Elective credits

Choose 3 of the following:

| | | |
|----------------------|--------------------------------------------------------------------------|-----------|
| HLM 520 | Spirituality and Health | 9 |
| MMA 590 | Social Epidemiology | |
| MMA 591 | Food, Culture, and Nutritional Health | |
| MMA 630 | Health Care and Health Services: Anthropological Perspectives | |
| MSL 602 | Communicating and Leading Across Cultures | |
| MSL 624 | Leadership and Well-Being | |
| MPH 608 | Health Communication and Informatics | |
| MPH 633 | Health Economics and Finance | |
| MHE 603 | Law and Health Care Ethics | |
| MHE 604 | Social and Cultural Contexts of Health Care | |
| NUR 756 | Health Promotion and Disease Prevention in the Gerontological Population | |
| NCR 620 | Introduction to Negotiation and Dispute Resolution | |
| HWC 795 | Directed Independent Study | |
| Total Credits | | 36 |

Master of Science, Health and Wellness Coaching - Applied

Effective through Fall 2016

Master of Science, Health and Wellness Coaching - Applied Track (36 Credits)

| | | | |
|----------------------------------------------------|--------------------------------------------------------------------------|---|-----------|
| GRD 601 | Writing for Graduate Students | 1 | |
| Lifestyle Medicine | | | |
| All of the following are required: | | | |
| HWC 591 | Advanced Lifestyle Medicine ¹ | 2 | |
| HWC 650 | Health Behavior Modification | 3 | |
| HWC 651 | Nutrition for Chronic Disease | 3 | |
| HWC 652 | Exercise for Chronic Disease | 3 | |
| HWC 653 | Stress and Sleep Management | 3 | |
| Choose one of the following concentrations: | | | 15 |
| Care Coordination | | | |
| HWC 591 | Advanced Lifestyle Medicine ¹ | | |
| HWC 655 | Care Coordination and Team-Based Care | | |
| MHE 603 | Law and Health Care Ethics | | |
| MPH 608 | Health Communication and Informatics | | |
| NCR 620 | Introduction to Negotiation and Dispute Resolution | | |
| Healthy Aging | | | |
| HWC 591 | Advanced Lifestyle Medicine ¹ | | |
| HWC 654 | Healthy Aging Across the Lifespan | | |
| MHE 604 | Social and Cultural Contexts of Health Care | | |
| MMA 630 | Health Care and Health Services: Anthropological Perspectives | | |
| NUR 756 | Health Promotion and Disease Prevention in the Gerontological Population | | |
| Program Design, Evaluation and Leadership | | | |
| HWC 501 | Personal Development for the Health and Wellness Coach | | |
| HWC 670 | Research Methods and Program Design | | |
| MMA 590 | Social Epidemiology | | |
| MPH 633 | Health Economics and Finance | | |
| MSL 602 | Communicating and Leading Across Cultures | | |
| Take all of the following: | | | |
| HWC 760 | Advanced Health and Wellness Coaching | 3 | |
| HWC 770 | Capstone in Health and Wellness Coaching | 3 | |
| Total Credits | | | 36 |

¹ or elective if already taken

Effective Spring 2017 there is only one curriculum track for the M.S. program in Health and Wellness Coaching (p. 102).

Graduate Certificate in Lifestyle Medicine

Lifestyle Medicine is a branch of evidence-based medicine in which comprehensive lifestyle changes are used to prevent, treat and reverse the progression of chronic diseases by addressing their underlying causes. This interdisciplinary program provides students with the

knowledge and skills to design, implement and modify comprehensive lifestyle medicine programs for individuals with and without chronic disease and across the lifespan. Emphasis is placed on interpersonal communication, working collaboratively with others, and evaluating and reading research related to lifestyle medicine. Additionally, students in the program will value the social justice issues related to lifestyle medicine and care for the whole of the individual person.

Program Objectives

1. Design, implement and modify lifestyle medicine programs that create health for individuals with and without chronic disease.
2. Demonstrate effective interpersonal verbal, non-verbal and written communication skills.
3. Discern social justice issues related to health and health care in the context of lifestyle medicine.
4. Recommend and evaluate appropriate literature related to lifestyle medicine.

Admission

Requirements for admission to the Graduate Certificate program in Lifestyle Medicine include: completed application form with application fee; current resume; statement of purpose (2-3 pages, double-spaced) out-lining the reasons for applying for admission and the intended goals; official transcripts from all educational institutions attended; three recommendations by persons familiar with the applicant's academic background, achievements and personal qualities; a minimum TOEFL 90 ibt for students for whom English is not their first language; proof of regular access to the technology needed to take online courses; proof of completion of a health related degree, credentialing, or health related coursework; and Creighton University reserves the right to request GRE scores or a personal interview.

Effective through Fall 2016

Graduate Certificate, Lifestyle Medicine (15 credits)

| | | |
|---------------|-------------------------------|----|
| GRD 601 | Writing for Graduate Students | 1 |
| HWC 591 | Advanced Lifestyle Medicine | 2 |
| HWC 650 | Health Behavior Modification | 3 |
| HWC 651 | Nutrition for Chronic Disease | 3 |
| HWC 652 | Exercise for Chronic Disease | 3 |
| HWC 653 | Stress and Sleep Management | 3 |
| Total Credits | | 15 |

Effective Spring 2017

Graduate Certificate, Lifestyle Medicine (15 credits)

| | | |
|---------------|---------------------------------------|----|
| GRD 601 | Writing for Graduate Students | 1 |
| HWC 591 | Advanced Lifestyle Medicine | 2 |
| HWC 650 | Health Behavior Modification | 3 |
| HWC 651 | Nutrition for Chronic Disease | 3 |
| HWC 652 | Exercise for Chronic Disease | 3 |
| HWC 760 | Advanced Health and Wellness Coaching | 3 |
| Total Credits | | 15 |

Institute for Priestly Formation

Program Director: Rev. Richard J. Gabuzda, S.T.D.
Program Office: Campion House

priestlyformation.org (<http://priestlyformation.org>)

Graduate Study in Priestly Formation

The Institute for Priestly Formation was founded to assist bishops in the spiritual formation of diocesan seminarians and priests in the Roman Catholic Church. The Institute responds to the need to foster spiritual formation as the integrating and governing principle of all aspects of priestly formation. Inspired by the biblical-evangelical spirituality of Ignatius Loyola, this spiritual formation has as its goal the cultivation of a deep interior communion with Christ; from such communion the priest shares in Christ's own pastoral charity. In carrying out its mission, the Institute directly serves diocesan seminarians and priests as well as those who are responsible for diocesan priestly formation.

Each summer the Institute, in collaboration with Creighton University, conducts a residential summer program for diocesan seminarians. Seminarians may earn nine graduate credits in the course of the program. Other programs, credit and non-credit, are offered in the summer and throughout the year.

Program Goals

1. To demonstrate a knowledge and practical application of Ignatian discernment of spirits.
2. To identify the connection between human development and Christian spiritual development with a particular focus on sexuality.
3. To distinguish the unique characteristics of diocesan priestly spirituality
4. To explain the relationship of personal and liturgical prayer.

Admission Requirements

Seminarian applicants must be part of an accredited Roman Catholic seminary formation program. Participants in IPF courses are restricted to diocesan seminarians and priests with exceptions granted by the IPF director.

Certificate in Priestly Formation

- Spiritual Formation (p. 104)

Courses

IPF 501. Christian Prayer and Virtue. 2 credits. SU

A fundamental grounding in the church's spiritual tradition. An emphasis is placed on the prayerful understanding of interior spiritual movements and the practice of the cardinal and moral virtues in living in relationship with the Trinity.

IPF 502. Human and Spiritual Foundations for Receiving Celibacy as a Generative Gift. 3 credits. SU

An integrated approach to understanding and appropriating the relationship between Christian spirituality and human sexuality. An emphasis is placed upon appreciating and living priestly celibacy as a generative gift from God. The readings, lectures, and assignments present opportunities for personal integration.

IPF 503. Prayer and Priestly Identity. 2 credits. SU

This course aims to form participants in a whole-hearted embracing of the distinctive spirituality of the diocesan priesthood as that relates to the unique identity of the diocesan priesthood, so as to help foster a more effective exercise of pastoral authority and charity in the service of the Church.

IPF 504. The Mystery of the Liturgy: Receiving in Celebration and in Life. 2 credits. SU

An exploration and experience of the ways in which the wellspring of Trinitarian life interpenetrates liturgical celebrations, personal prayer, and daily life and ministry.

IPF 505. Introduction to John Paul II's Theology of the Body. 2-3 credits. OD

This course will examine the 129 Wednesday audience addresses that comprise John Paul II's "theology of the body" with an emphasis on the importance of John Paul II's project for the new evangelization. Particular attention will be paid to themes such as creation in the imago Dei, fall and redemption, Christian ethics and ethos, freedom and person, gender and vocation.

IPF 506. Integration Seminar: Holy Spirit. 0 credits. OD

This seminar is required and is analogous to a comprehensive exam. It meets for fifteen hours in a flexible time frame that sets up a dialectic of prayer, spiritual reading, worship and personal conversation. This fosters personal integration of content from the Unit One IPF 501-504 level courses and is an instrument helping to determine readiness for Unit Two IPF 707. The seminar is facilitated by local diocesan personnel affiliated with IPF. This seminar also serves to strengthen and integrate the gifts of the Holy Spirit received in Christian baptism.

IPF 707. The Spiritual Exercises Of St. Ignatius Loyola: Theory And Practice. 2-5 credits. OD

Practical experience of the Spiritual Exercises in either the individually directed silent retreat format or the retreat in daily life format. Integration of this experience includes study and reflection on the theology, structure, and application of St. Ignatius' biblical- evangelical spirituality.

IPF 793. Directed Independent Readings. 2-5 credits. OD, SU
Directed Independent Readings. P: DC.**IPF 795. Directed Independent Study. 1-4 credits. OD, SU**
To be arranged. P: DC.

Graduate Certificate Program in Spiritual Formation

priestlyformation.org/programs/spiritual-formation-certificate.html
(<http://priestlyformation.org/programs/spiritual-formation-certificate.html>)

To be eligible for a certificate, students must complete all courses with a minimum 3.0 cumulative GPA. No more than one grade of "C" will be allowed. Incomplete grades must be cleared no later than one year from the start of the course.

Course Requirements

| | | |
|---------------|-----------------------------------------------------------------------------|----|
| IPF 501 | Christian Prayer and Virtue | 2 |
| IPF 502 | Human and Spiritual Foundations for Receiving Celibacy as a Generative Gift | 3 |
| IPF 503 | Prayer and Priestly Identity | 2 |
| IPF 504 | The Mystery of the Liturgy: Receiving in Celebration and in Life | 2 |
| IPF 505 | Introduction to John Paul II's Theology of the Body | 2 |
| IPF 506 | Integration Seminar: Holy Spirit | 0 |
| IPF 707 | The Spiritual Exercises Of St. Ignatius Loyola: Theory And Practice | 5 |
| Total Credits | | 16 |

Interdisciplinary Studies

IDS 590. International and Interdisciplinary Perspectives on Care for the Dying and the Dead. 3 credits.

Students from different disciplines and different countries engage in a scholarly dialogue on the topic of care for the dying and the dead. This hybrid course includes a two-week on-site component at the campus of Sankt Augustin University near Bonn, Germany, with several international visits to relevant nearby sites.

Master of Investment Management and Financial Analysis (MIMFA)

Program Director: Dr. Randy Jorgensen

Program Office: Harper Center

Graduate Study in Investment Management and Financial Analysis

The Master of Investment Management and Financial Analysis (M.I.M.F.A.) program is designed to prepare students for advanced investments and financial analysis guided by a Code of Ethical Practices and Professional Conduct and uses as its foundation the curriculum of the Chartered Financial Analyst® (CFA) program.¹ Both a campus-based evening program, as well as online program are available. The CFA program is grounded in the practice of the investment profession. According to the CFA Institute, the program of study for the CFA charter is based on "a job analysis survey involving CFA charterholders around the world to determine those elements of the body of investment knowledge and skills that are important to the professional practice of investment management." The program of study has a significant foundation in theory as well as practical applications of the theory and tools provided. Students who complete the M.I.M.F.A. program will have the knowledge base to sit for each of the three levels of CFA exams but are not required to do so. More information on the CFA program is available at www.cfainstitute.org (<http://www.cfainstitute.org>).

¹ Note: CFA, CFA Program and Body of Knowledge are trademarks owned by the CFA Institute.

Program Goals

1. Exhibit disciplinary knowledge and behavior essential in investment management and financial analysis.
2. Think critically to aid decision-making.
3. Commit to action that demonstrates care for others.
4. Exhibit personal habits consistent with personal formation.

Admission

1. **Eligibility for Admission:** Applicants for admission to the M.I.M.F.A. program must have a baccalaureate degree in business from an accredited institution of higher learning, or, if the degree is in a field other than business, significant work experience in the field of finance.
2. **Application:** A completed application form, personal essay describing how a master's degree fits in with an applicant's career objectives upon completion of the program, current resume, and a non-refundable application fee.
3. **Recommendations:** Two recommendations are required. The recommendations should be completed by persons other than family

members who are capable of assessing an applicant's performance in an academic or work setting.

4. **Transcripts:** Evidence of high scholastic potential. One official transcript must be sent from each institution of collegiate rank attended by the applicant. Transcripts should be sent directly from the collegiate institution to the Enrollment Services, Harper Center, 2500 California Plaza, Omaha, NE 68178. All such transcripts become the property of Creighton University.
5. **Graduate Management Admissions Test (GMAT)¹:** All applicants must submit an acceptable score report on the Graduate Management Admissions Test (GMAT). The GMAT is administered by Pearson VUE. Further information about the GMAT may be obtained at www.mba.com (<http://www.mba.com>).
6. **Test of English as a Foreign Language (TOEFL).** The Graduate School requires all students from countries in which English is not the native language to demonstrate competence in English by a score of 577 in the TOEFL (Test of English as a Foreign Language) examination or 90 on the Internet-based Test (iBT) at the graduate level. International applicants who received their baccalaureate degree from an accredited institution in the U.S., United Kingdom, Canada (excluding French Quebec), Australia, New Zealand, or Africa (English speaking only) are not required to submit a TOEFL score. The IELTS may be substituted for the TOEFL provided an applicant's overall band score is 6.5 with no subscore below 6.
7. **Financial Ability:** All international applicants who are formally admitted must provide a "Certification of Available Finances" form in order for the I-20 form to be issued by the Office of International Programs. Form available at www.creighton.edu/IntlPrograms.
8. **Prerequisites:** Applicants to the M.I.M.F.A. program must show evidence that they have completed undergraduate courses in accounting, finance, and economics.

Acceptance to the M.I.M.F.A. program is granted to applicants who clearly demonstrate that they have high promise of succeeding in graduate business study. Interviews are not required as part of the admission process.

¹ **GMAT Exemption Practices**

1. *GRE Performance: Applicants who have already taken the GRE may substitute their GRE performance for their GMAT score. The applicant's verbal GRE score must be at least 153 and the quantitative score must be at least 144. The applicant must also be above the 20th percentile in both categories.*
2. *Professional Graduate Degrees: Applicants may be exempt from taking the GMAT if they have earned a professional graduate degree. Examples of such degrees include: J.D., M.D., Ph.D., D.D.S., Ed.D., and Pharm.D.*
3. *Professional certifications: Applicants who have earned CPA certification or CFA certification (have passed at least Level 1) may be exempted from taking the GMAT.*
4. *Creighton business graduates: Applicants who have earned a BSBA degree from Creighton University Heider College of Business in the last 10 years and had at least a 3.5 overall GPA plus at least a 3.75 GPA in all accounting, finance, and statistics courses taken may be exempted from taking the GMAT.*

Degree Programs

- Master of Investment Management and Financial Analysis (M.I.M.F.A.) (p. 106)
- M.B.A./M.I.M.F.A. Dual Degree (p. 59)

Courses

MIM 717. Ethical and Professional Standards I. 1 credit.

An intensive study of the CFA® Institute Code of Ethics and Standards of Professional Conduct as well as readings drawn primarily from the CFA Level I curriculum. This course emphasizes the importance of ethical behavior in the financial services industry. Students will apply knowledge of the CFA® Institute Code of Ethics and Standards of Professional Conduct to recognize and avoid unprofessional practices and violations of the Code and Standards. P: MBA 701, MBA 711, MBA 741 or equivalents. Open only to students enrolled in the online MIMFA program.

MIM 718. Ethical and Professional Standards II. 2 credits.

An intensive study of the CFA® Institute Code of Ethics and Standards of Professional Conduct as well as readings drawn primarily from the CFA Level II curriculum. Much of this material also appears in MIM 717. It is repeated here to emphasize the importance of ethical behavior in the financial services industry. P: MIM 717. Open only to students enrolled in the online MIMFA program.

MIM 720. Ethical and Professional Standards. 3 credits.

An intensive study of the CFA Institute Code of Ethics and Standards of Professional Conduct, the Global Investment Performance Standards (GIPS®), corporate governance issues and risks affecting companies. P: MBA 701, MBA 711, MBA 741 or equivalents.

MIM 722. Fixed Income and Derivatives I. 3 credits.

A study of fixed income investments, including basic characteristics of bonds in alternative sectors, valuation tools, and factors that influence bond yields. Also includes a study of derivative investments, including forwards, futures, options, and swaps. P: MBA 701, MBA 711, MBA 741 or equivalents.

MIM 723. Quantitative Analysis I. 2 credits.

This course covers the basic tools necessary for advanced security analysis. First, basic concepts such as the time value of money and computing returns and yields are covered. Second, the course addresses elementary statistical topics such as descriptive and inferential statistics as well as the use of statistical tests and frequency distributions. Finally students will perform hypothesis tests and apply measures of statistical significance. P: MBA 701, MBA 711, MBA 741 or equivalents. Open only to students enrolled in the online MIMFA program.

MIM 724. Quantitative Analysis. 3 credits.

A study of elementary statistics, data collection and analysis, regression and correlation analysis, probability theory and distributions, hypothesis testing, and the time value of money. Also covers regression and correlation analysis and time series analysis as they are used in portfolio management. P: MBA 701, MBA 711, MBA 741 or equivalents.

MIM 725. Quantitative Analysis II. 1 credit.

The objectives of this course cover advanced financial and statistical topics. Topics include the basics of correlation and simple linear regression plus multiple regression and issues in regression analysis. Students will also test models for heteroskedasticity, serial correlation, and multicollinearity before moving on to time series analysis and an examination of linear trends, log-linear trends, and AR models. P: MIM 723. Open only to students enrolled in the online MIMFA program.

MIM 728. Corporate Finance. 3 credits.

A study of capital budgeting concepts and analysis, capital structure issues, cost of capital, dividend policy considerations, and the market for corporate control. Discusses how corporate finance concepts, such as cash flow, liquidity, leverage, cost of capital, and dividends, are used in the valuation process. P: MBA 701, MBA 711, MBA 741 or equivalents.

MIM 730. Financial Statement Analysis I. 3 credits.

A study of financial accounting procedures and the rules that govern disclosure. Emphasis is placed on basic financial statements and how alternative accounting methods affect those statements, the analysis of financial statement relationships, and the implications of alternative accounting methods for financial analysis and valuation. P: MBA 701, MBA 711, MBA 741 or equivalents.

MIM 732. Economics of Investment Management. 3 credits.

A study of macroeconomic and microeconomic principles, including the key components of economic activity, macroeconomic theory and policy. Also a study of equity investments, including securities markets, efficient market theory, the analysis of equity risk and return (for industries and companies), and technical analysis. P: MBA 701, MBA 711, MBA 741 or equivalents.

MIM 734. Equity Analysis. 3 credits.

A study of the concepts and techniques that are basic to the valuation of equity securities. P: MBA 701, MBA 711, MBA 741 or equivalents.

MIM 736. Fixed Income and Derivatives II. 3 credits.

A study of methods to estimate risk and returns for fixed income instruments, analyze fixed income instruments with unique features, and value fixed income instruments with embedded options. Discusses the valuation of futures, forwards, options, and swaps. P: MSA 722.

MIM 738. Advanced Financial Analysis. 3 credits.

The first part of this course covers financial statement analysis topics including inventories, long-lived assets, intercorporate investments, accounting for pensions and other post-employment benefits, and accounting for multinational operations. These topics are tied into a discussion of the assessment of earnings quality. The second part of the course is an introduction to portfolio management. This includes a study of portfolio concepts, various asset pricing models, security and capital market theory, as well as the practical applications in foreign markets. P: MBA 701, MBA 711, MBA 741 or equivalents.

MIM 739. Asset Management within a Portfolio Context. 3 credits.

This class addresses the basics of portfolio construction and management. Students will examine the role each of the following play in the portfolio management process: equities, alternative asset classes, fixed income and global bonds. In addition students will examine risk management both in an enterprise context as well as within a portfolio context using futures, forwards, options and swaps. The class wraps up with how all this portfolio performance is presented to the client in the format of the Global Investment Performance Standards. P: MBA 701, MBA 711, MBA 741 or equivalents. Last 12 hours of enrollment in the MIMFA program.

MIM 740. Portfolio Management. 3 credits.

A capstone course designed to enforce student knowledge and understanding of the security analysis and portfolio management process. P: Last semester or last nine hours of enrollment in the MIMFA program.

MIM 766. Graduate Internship. 1-3 credits.

This course is intended to provide graduate-level credit for significant program-related practical experience, coupled with a research component that utilizes the context of this practical experience as its primary vehicle of inquiry. Students must work a minimum of 150 hours for the sponsoring employer during the semester. In addition, the student must complete a research project related to this work, which has been planned and carried out under the direction of a graduate faculty supervisor, with the approval and cooperation of the sponsoring employer. The student's internship employment and faculty supervision for the research component must be arranged before registration for the course will be allowed. The course is graded Satisfactory/Unsatisfactory and only 3 hours of internship credit may be used to satisfy graduation requirements. P: IC and approval of the MIMFA Program Director.

MIM 779. Seminar in Investments. 1-3 credits.

Exploration and analysis of selected problems and issues in investments, security analysis and portfolio management. Course content changes each semester as current and sometimes controversial issues within are discussed. This course is repeatable up to nine credits. P: Prerequisites depend on course content.

MIM 795. Independent Study and Research. 1-3 credits.

Advanced study and research in subjects not ordinarily covered by regularly scheduled courses. P: IC and approval of the MIMFA Program Director.

Master of Investment Management and Financial Analysis Program

The Master of Investment Management and Financial Analysis (M.I.M.F.A.) program consists of 30 credit hours. The program is available both on campus and online.

Master of Investment Management and Financial Analysis (M.I.M.F.A.) (30 credits)

| | | |
|----------------------|--------------------------------------------------------------------------------|---|
| MIM 720 | Ethical and Professional Standards | 3 |
| or MIM 717 & MIM 718 | Ethical and Professional Standards I and Ethical and Professional Standards II | |
| MIM 722 | Fixed Income and Derivatives I | 3 |
| MIM 724 | Quantitative Analysis | 3 |
| or MIM 723 & MIM 725 | Quantitative Analysis I and Quantitative Analysis II | |
| MIM 730 | Financial Statement Analysis I | 3 |
| MIM 732 | Economics of Investment Management | 3 |
| MIM 734 | Equity Analysis | 3 |
| MIM 736 | Fixed Income and Derivatives II | 3 |
| MIM 738 | Advanced Financial Analysis | 3 |
| MIM 740 | Portfolio Management | 3 |
| MIM 728 | Corporate Finance | 3 |
| or MIM 739 | Asset Management within a Portfolio Context | |
| | or MBA Elective as approved by Program Director | |

Total Credits 30

Leadership-Interdisciplinary Ed.D.

Program Director: Jennifer Moss Breen, Ph.D.

Program Office: Reinert Alumni Library, Room 204

Our Mission

Our program's mission is centered on developing leaders who use their skills to promote social justice and societal and organizational change. Drawing on the Jesuit tradition of Creighton University and Jesuit ideals of academic excellence, respect for human dignity, and a faith that does justice, the program is built on a leadership model that encourages continual, critical self-reflection. With increasing self-knowledge, leaders are empowered to work mindfully toward a more just community, workplace, and world.

The concept of leaders as stewards of an organization is emphasized during each course and promoted through practicum and research activities. Program faculty and students come from a variety of disciplines and professions, and as such, provide a rich interdisciplinary learning community for understanding the nature and role of interdisciplinary work in today's world.

The mission is carried out and fulfilled by attention to the following programmatic themes. These themes describe the leaders the program strives to develop:

- Leaders who experience, appreciate, and are prepared to pursue integrative learning in a collaborative community of practice.
- Leaders who possess moral courage and skills to innovate, adapt, and act in a changing world, striving for a more just society.
- Leaders who develop professionally through a process of formation using continual self-reflection.
- Leaders who understand the organizational and systematic challenges and opportunities in interdisciplinary work and practice.

Ed.D. Program in Interdisciplinary Leadership's Learning Outcomes

Upon completion of the Interdisciplinary Doctorate in Education Program in Leadership, using an interdisciplinary perspective, students will:

1. Develop leadership theories and models to inform practice.
2. Integrate critical thinking to inform professional leadership issues.
3. Practice ethical decision making informed by Ignatian values.
4. Model professional communication in scholarly and professional settings.
5. Apply reflective practices as a means for professional and personal growth.
6. Model the ability to effectively lead within complex and diverse societies.
7. Produce original scholarly research informed by leadership theory and social science methodology to improve practice.

Admission Requirements

Applicants must have a master's or equivalent professional degree from an accredited institution and submit the following documents:

1. Completed application form and application fee.
2. Current resume.
3. Personal essay that reflects on how the candidate can best contribute to the mission of the University and their interdisciplinary cohort, including their leadership experience and personal statement of goals related to leadership.

4. Official transcripts from all colleges/universities attended (no photocopies are accepted).
5. Three recommendations from individuals who have a graduate degree or a higher degree than the candidate, from professionals who know the candidate well, who can comment on the person's capabilities and suitability in a doctoral program. The letters should not come from relatives or subordinates.
6. A minimum TOEFL score of 90 (internet based) for students from countries in which English is not the native language.
7. Creighton University reserves the right to request GRE scores or a personal interview.
8. Two of the applicant's writing and/or research samples, with at least one academic paper that is the candidate's own writing (no multiple author papers).

Degree in Leadership

- Doctorate of Education in Leadership (p. 111)

Courses

ILD 800. Scholarly Writing Seminar. 0-1 credits.

This course engages students in effective writing strategies at the graduate level. As such, the course exposes students to the basic mechanical tools and principles of the written word. Students will learn how to craft effective arguments, how to provide evidence to support these arguments, and how to use citation, formatting, and referencing requirements in accordance with APA guidelines.

ILD 801. Leadership Styles and Reflective Practice. 3 credits.

This course introduces the student to the knowledge, skills, and values underlying reflective practice. Various theories and leadership styles will be examined from a historical and contemporary point of view. Students will identify leaders and leadership situations that are examples of the various theories and styles. Students will apply leadership theories using their own institution/organization as a laboratory. Special attention will be directed to leaders engaging in reflective practice. Through readings and exercises focusing on leadership styles and reflective practice, the student will develop a greater knowledge of self and will begin the deliberate, life-long practice of reflective thinking. Students will develop a clear personal philosophy of their leadership style as the culminating activity for the class.

ILD 802. Leadership and Applied Ethics. 3 credits.

Consistent with the ideal that leadership is not just an act but a way of being, this course will explore the ethical foundations that inform the leader's personal and professional practices. Students will examine ethical theories and concepts applied to leadership challenges in real world situations. Emphasis will be placed on understanding ethical leadership for social and organizational change, the leader's role as a moral agent, as well as the organization's role as a moral agent in society.

ILD 803. Strategic Planning and Management. 3 credits.

This course integrates systems theory and problem-solving with strategic thinking. Students will engage in deep exploration of all aspects of strategic planning processes, including the following:--Development of an organizations' mission and vision statements within social, political, and economic environments--Creation of a strategic plan through trend analysis, systems analysis, and environmental analysis--Discernment of goals, objectives, and performance outcome measures--Execution and monitoring of strategic management.Principles related to how organizations and institutions operate in the context of a system guided by a strategic plan will be studied and applied to respective institutions and organizations.

ILD 804. Organizational Theory and Behavior. 3 credits.

This course explores the most important theories and models that explain the behaviors and attitudes of individuals (micro OB), teams and other groups (meso OB), as well as the "behavior" of entire organizations (macro OB). The course covers critical topics from organization theory and behavior, including such things as the relationship of environment, size, and technology to organization structure, organization culture, motivating followers, recognizing individual differences, decision making, creativity, leading groups and teams, exercising power, managing conflict, and job satisfaction and other work attitudes.

ILD 805. Administrative and Policy Leadership Issues. 3 credits.

This course examines the research on administrative issues and political power in decision making and the role of leaders in policy development. The course will address social, political, and economic influences on administration and policy development and the relationship between leadership and governance. Learners will review and critique public policy analytic frameworks and their application to contemporary policy issues. Administrative and policy leadership issues will also be applied to community relations and governing boards.

ILD 806. Change Theory and Practice. 3 credits.

Confronted with profound, rapid, and dynamic changes in the nature of their work and organizations, individuals are entering into a "permanence of change." As such, leaders are required to develop their understanding of and skills necessary to lead and/or facilitate complex organizational change. This course is designed to help individuals explore organizational change theory, analyze research on the multiple perspectives on and elements of change, understand how change can promote a learning organization, and practically apply what they have learned regarding organizational structure and decision making within and across organizations.

ILD 807. Financial and Legal Leadership Issues. 3 credits.

This course has been designed to focus on the leadership skills related to the management of the financial and legal issues in organizations/institutions. Specific attention will be given to theories of economic and finance, financial planning, sources and uses of financial support, budgeting, the American legal system, institutions as legal entities, authority for governance and administration, employee rights and responsibilities, client/student rights and responsibilities and institutional and personal liability applicable to business, education and health organizations and institutions. Graduate students are expected to have a basic understanding of business, education or health organizations with practical experience and professional preparation and planning careers for leadership in these types of organizations/institutions.

ILD 808. Leadership Seminar I: Program Orientation and Formulation of Learning. 1-2 credits.

Students will be required to be present on campus for a Learning Community meeting that will provide an opportunity for relationships and community building among students and faculty. The relationships established during this residency will be important as students progress through their program. The philosophy and mission of the Ed.D. in Interdisciplinary Leadership will be presented. The learning outcomes and expectations will be presented along with a review of the program requirements. A step by step explanation of how students will move through the program will assist students in understanding the requirements and navigating the program successfully. Attention will be given to distance education via online classes and students will learn how classes are formatted and delivered.

ILD 809E. Mid-program Reflection and Dissertation Design. 2 credits.

Students will review the requirements for forming a dissertation in practice committee, prepare for the dissertation proposal process, ensure completion of CITI training, and review requirements for Candidacy that must be earned before dissertation proposal. Students will complete a mid-program reflection paper appropriate for submission as one piece in the Candidacy e-portfolio. P: ILD 808, ILD 801, ILD 802, ILD 803, ILD 804, ILD 805, ILD 806, ILD 807, or by permission. CO: ILD 899E (if possible).

ILD 810. Leadership Seminar III: Portfolio Review and Dissertation Defense. 2 credits.

This seminar will be the concluding requirement of the program and will be held on campus. Students will present their portfolio to their supervisory committee, present their reflective journal, review a final self analysis of the Gallup StrengthsFinder, and share future professional and career goals/plans. At this time the oral defense of the dissertation will be conducted. Students will be given an opportunity to provide feedback to the committee about the Ed.D. program and share any suggestions on how to improve the program.

ILD 811. Interdisciplinary Practicum. 1-6 credits.

Students will arrange a practical field experience to further develop their skills and abilities in a professional or organizational setting where they will be engaged in interdisciplinary leadership in action. This could include working with another person on a major project or exploring an area outside the student's own field (business, education, or health). The student will gain an understanding of researching internal or external elements related to personnel, policy, politics, economics, finance, governing relationships, elements of change, or other influences that challenge leadership, and then apply or recommend an innovative solution. The practicum experience will be arranged working with the practicum advisor.

ILD 812. Research Design and Professional Inquiry. 3 credits.

Modern social problems are complex and multilayered. Leaders must be able to properly identify effective and accurate research methods to investigate these issues. This course provides an overview of the concepts, procedures, and tools used by modern social science researchers. It is a required course. P: All EdD core coursework or by permission.

ILD 813. Research Design and Data Analysis. 3 credits.

This course builds on the foundations from ILD 812 and further explores select research designs and related data analysis procedures. Students will compare and contrast characteristics associated with qualitative and quantitative research designs, including sampling and data collection methods. Students will also explore and practice data analysis procedures including descriptive, inferential, and thematic analysis techniques. Students will also develop an outline of the methodology section of their dissertation in practice proposal. P: ILD 812.

ILD 814. Proposal Construction. 3 credits.

This course leads a cohort of 6-10 dissertation phase students through the process of developing a proposal for the Dissertation in Practice (DIP). The goal of the course is the development of an effective introduction, Literature Review, and Data and Methods according to the DIP proposal template, both in paper and presentation form. This is a required course. P: ILD 813.

ILD 820. Jesuit and Ignatian Traditions. 3 credits.

Jesuit education in the 21st century stems from philosophical values rooted in the humanistic tradition of Renaissance culture. This course will explore the historical backdrop that sparked the formation of organized Jesuit schools, including focus on a unique style of social leadership that has sustained the Ignatian tradition for over four hundred and fifty years. To enhance learning, students will engage in critical self-reflection on personal values, attitudes, ethics, and moral development in relation to societal expectations and norms.

ILD 821. Quality and Accountability Issues. 3 credits.

This course introduces students to concepts of program quality and assessment that can be applied to organizations and encourages students to engage in becoming familiar with issues related to the assessment of quality. Students are encouraged to apply the concepts they learn about quality, accreditation, accountability and standards to their organization and experiences. Attention will be given to strategic alignment and the role of values and propositions along with a focus on the utilization of several systems for assessing quality with specific focus on the "Balanced Scorecard" and the Baldrige National Quality Program and the criteria for performance excellence.

ILD 822. Human Resources Leadership and Management. 3 credits.

This course examines the knowledge base of Human Resources Development (HRD) and the organizational setting in which HRD occurs. Topics include the design and development of education and training programs, how change occurs in organizations; how career development can optimize the match between individual and organizational goals and needs; how to improve the performance in organizations by analyzing performance opportunities; and designing employee training to address these opportunities. Students apply knowledge of personnel/Human Resource principles, practices, policies, and procedures to the identification and solution of case problems.

ILD 823. Leadership in a Global Society. 3 credits.

In the ever-shrinking world of the new millennium, leaders are often challenged to work internationally. This course enhances the understanding of students regarding the nature of a rapidly changing world. Students will study international market forces, social issues, and the policy environment that influences the global workplace. Students also develop and practice research skills required in a multicultural workplace. This is an elective course.

ILD 824. Social Justice and Faith-Based Traditions. 3 credits.

In the contemporary era the service of faith and the promotion of justice has become a staple thread of identity in Jesuit education. This course will illuminate the historical perspectives and theoretical foundations of social justice in relation to Ignatian and other faith based traditions. A conceptual framework that incorporates individual, corporate, and sociocultural aspects of privileged and disadvantaged situations will be explored. In particular, students will reflect on personal context in relation to social structures encountered on a global spectrum. A variety of social injustices will be discussed including social power, privilege, authority, environment, race, gender, and disability.

ILD 825. Women and Leadership. 3 credits.

This elective course will explore women's leadership, leadership styles, and contributions to social change from an interdisciplinary perspective. Students will examine the barriers and challenges facing women in different types of careers and their possible causes. Readings will include books and scientific articles on the structural, cultural, psychological, institutional, organizational, political, personal, economical, and financial issues facing women leaders today. Students will reflect on their own experiences and how gender influences their leadership style and perceptions of the leadership.

ILD 826. Applied Development Analysis. 3 credits.

This course is focused on understanding theories of development, and examines a variety of international development projects using the Institutional Analysis and Development (IAD) framework. The IAD framework, developed by Nobel Laureate Elinor Ostrom, is a useful tool for thinking about how individuals and institutions interact within the context of projects. Despite our conceptions about development, it is clear that this framework can be used in any context where leaders wish to uncover how a large project involving many people and organizations works, and what intentional and unintended consequences may result. This course will guide the student through the identification of problems, and will subsequently apply the IAD framework to develop a potential development project.

ILD 827. Leadership in School Improvement. 3 credits.

This course explores the research and practices used by school leaders in continuous system-wide school improvement. Students explore school effectiveness research and organizational literature to discover measures that maximize learning for all students. School improvement policies and practices are examined within a framework of six major functions. P: 12 core courses.

ILD 828. Policies, Politics and School Board. 3 credits.

This course provides students with knowledge of the differences between policies, rules, and procedures, as well as school board and administrative functions. Students will gain skills in effectively understanding the politics of education and the relationships between the public, boards, and chief administrators in public and Catholic/private schools. Students will learn and practice dispositions helpful to success in the role of superintendent/chief administrator.

ILD 830. Practicum in School System Leadership. 6 credits.

The course provides students seeking the superintendency or a central office administrative position, the opportunity to gain on-the-job experience. Practicum experiences, under the direction of leaders in K-12 school systems and the practicum advisor, provide opportunities for students to observe and experience various components of system-wide leadership. P: Completion of 12 credits in core courses of ILD 801-808.

ILD 831. Technology and Leadership. 3 credits.

This course introduces students to an overview of the impact of technology in general and the internet in particular on organizations. Through this examination, students will explore how leadership is or should adapt to a changing world. In the past decade, the internet has become a part of life and work. The internet has moved from a virtual space where people want to find information to an active place that is open, social, and participatory. This shift has profound implications on leadership.

ILD 832. Planning Programs for Adult Learners. 3 credits.

This course is designed for novice or experienced leaders who plan or manage educational and training programs for adults in a variety of settings. It is for students who have or aspire to leadership positions in adult education, training, staff development, human resource development, or performance improvement with staff.

ILD 833. Writing for Scholarly Publication. 3 credits.

This course prepares students to write manuscripts for scholarly publication. Course topics include: writing as conversation; topic identification; conversants; exemplars; the components of a scholarly paper; presentation; and editing.

ILD 834. Catholic Social Teaching and Learning. 3 credits.

In the contemporary era, the promotion of justice has become a staple thread of identity and practice in Jesuit education. This course will (1) overview of the conceptual background to this commitment, as contained in official Catholic Social Teaching on justice, (2) early history and theory of Jesuit education, (3) consider a particular perspective on Ignatian pedagogy for justice in higher education. Students will engage perspectives in light of their own faith perspectives, understandings of justice, and leadership responsibilities and goals.

ILD 835. Sustainability Leadership: An Interdisciplinary Approach. 3 credits.

This course explores sustainability concepts, practices, and methods. A whole system design perspective serves as an approach to understand how sustainable organizations can impact the environment, economics, and social equity. Participants will acquire competency in analysis of sustainability issues, and will design a sustainability and stewardship strategy for their organizations.

ILD 836. Leadership, Public Relation and Stakeholder Engagement. 3 credits.

Examine leadership, public relations, and stakeholder engagement from an interdisciplinary perspective. Explore the notion of transparent communication and the impact that it has on creating an open and ethical organization. Identify the opportunities and challenges of stakeholder engagement with internal, external and global audiences, through the news media, social media, crisis communication, and corporate social responsibility.

ILD 837. Introduction to Servant Leadership. 3 credits.

This course is designed for those who wish to integrate servant leadership in order to define their leadership style. Leadership is not about serving one's personal need and interest; rather, true leadership is about "men and women in service of others," a primary Jesuit educational objective. First, this course will focus on the theory of Servant Leadership, from ancient text to current research. Following theoretical framework will be practice of Servant Leadership in those whose core principles and first responsibilities are service to relationships and others. Finally, the learner will engage in the activity of discernment in servant leadership as a means toward achieving a definable personal mission statement as a member of the ILD community.

ILD 838. Toxic Leadership. 3 credits.

Investigates and analyzes the impact of toxic leadership on followers, the organization and organizational values and ethics. Employing a three pronged model that examines the interplay of 1) leaders, 2) followers and 3) context, students will examine the environmental drivers that contribute to a dysfunctional and harmful leadership style. The course will evaluate possible mitigation strategies for reframing the detrimental behavior and reinforce an ethical foundation.

ILD 839. Military Leadership. 3 credits.

In this course, students will learn historical factors and recent events that have influenced the current state of military leadership in the United States. Students will learn to compare and contrast military leaders, their leadership styles and determine which of these traits might be applicable to their own leadership strengths or workplace. Additionally, self-reflection exercises will assist students in gaining insight into whether they possess the military leadership traits studied and if they would like to incorporate these traits in their leadership skill set.

ILD 840. Followership. 3 credits.

This course examines the concept of followership and its role within an organization. Topics include redefining followership, leadership-followership paradigm, effective followership, and the challenges of followership. Students apply knowledge of followership principles and practices by analyzing professional followership experiences.

ILD 850. Quantitative Research Design and Methods. 3 credits.

The course will examine theory and practice in the design, conduct, analysis and interpretation of experimental, quasi-experimental, and descriptive methods for research and evaluation. Basic core concepts of statistics such as the computation and interpretation of measures of central position, variability and correlation; introduction to sampling, probability, and tests of significance will be reviewed. Methods of assessing credibility of published research will also be discussed.

ILD 851. Qualitative Research Design and Methods. 3 credits.

The course will examine theory and practice in the design, conduct, analysis and interpretation of the broad approaches to qualitative research methods used for social and behavioral research. Methods of application of concepts through both critique and planning one's own research will be basic tenets in the course.

ILD 852. Mixed Methods Research. 3 credits.

This approach to research has an interdisciplinary appeal because increasingly diverse worldviews and complex issues and problems require a blending of qualitative and quantitative data. Hence, mixed method designs provide researchers, across research disciplines, with a rigorous approach to addressing multi-dimensional research questions. The purpose of this class is to provide an introduction to mixed methods research, to discuss the steps involved in designing and conducting this form of inquiry, and to focus on the types of mixed methods designs.

ILD 890. Leadership Seminar II: Analysis and Application of Scholarly Literature. 2 credits.

Students will collect and analyze scholarly literature in order to design a framework for the dissertation in practice literature review chapter. P: Completion of the core courses and ILD 812 or by permission. Co:Recommend ILD 899E.

ILD 895. Independent Study. 1-3 credits.

This course will deal with topics in leadership practice, theory, research, and policies under the direction of an Ed.D faculty member. The content of this course will vary depending on the needs of the student. Prior approval from the Director of the Interdisciplinary Ed.D. Program in Leadership is required.

ILD 899. Dissertation Research. 1-9 credits.

The dissertation in practice research project is a process of inquiry focused on practical issues related to the student's discipline. The dissertation in practice addresses real world problems or issues in applied settings. The student workplace or practice setting is the laboratory for development of the dissertation. The dissertation provides the structure for examination of the student's practice in a thoughtful and systematic way. The student should be prepared to seek approval of the dissertation proposal at the conclusion of the first three (3) credit hours of dissertation credit earned. Students take the first three credits in faculty-facilitated courses in order to understand the components and requirements necessary to complete the dissertation. The first credit, identified as 899e, focuses on the dissertation process in which students determine scope of the dissertation in practice. This course is ideally paired with ILD 809e, which focuses on the ethical components of dissertation research. The remaining 899 credits are to be taken over the next 1-2 years, working with the student's chair and dissertation committee collecting data, analyzing data, presenting results, summarizing findings, and drawing conclusions in preparation for the final dissertation in practice paper and oral defense.

ILD 899E. Dissertation. 1 credit.

Students will acquire information about the dissertation process and product for the Creighton University Ed.D. program. Students learn how to identify the different parts of the Dissertation in Practice (DIP), explore the essentials of the applied research dissertation journey, review candidacy requirements, and learn about the proposal and defense processes. Students will also learn how to select an appropriate real-world problem, draft a problem statement, construct a purpose statement, and form an aim statement.

ILD 999. ILD Transfer Cred. 1-9 credits.

Doctorate of Education in Interdisciplinary Leadership

The Ed.D. Program in Interdisciplinary Leadership consists of a minimum of 60 semester hours and a required master's or equivalent professional degree. Students will tailor the Practicum experience and Dissertation to focus on their particular professional/workplace interests.

Ed.D. in Interdisciplinary Leadership Degree Requirements

Core Courses (21 credits)

| | | |
|---------|---------------------------------------------|---|
| ILD 801 | Leadership Styles and Reflective Practice | 3 |
| ILD 802 | Leadership and Applied Ethics | 3 |
| ILD 807 | Financial and Legal Leadership Issues | 3 |
| ILD 803 | Strategic Planning and Management | 3 |
| ILD 804 | Organizational Theory and Behavior | 3 |
| ILD 805 | Administrative and Policy Leadership Issues | 3 |
| ILD 806 | Change Theory and Practice | 3 |

Program Orientation/Learning Community (6 credits)

| | | |
|---------|-------------------------------------------------------------------------|---|
| ILD 808 | Leadership Seminar I: Program Orientation and Formulation of Learning | 2 |
| ILD 890 | Leadership Seminar II: Analysis and Application of Scholarly Literature | 2 |
| ILD 810 | Leadership Seminar III: Portfolio Review and Dissertation Defense | 2 |

Research and Dissertation (18 credits)

| | | |
|----------|------------------------------------------|---|
| ILD 812 | Research Design and Professional Inquiry | 3 |
| ILD 813 | Research Design and Data Analysis | 3 |
| ILD 814 | Proposal Construction | 3 |
| ILD 899E | Dissertation | 1 |
| ILD 899 | Dissertation Research | 8 |

Electives (15 credits)

Select 15 elective credits. Confer with the program for approval. 15

Total Credits 60

Medical Anthropology

Program Director: Alexander Roedlach, SVD, PhD

Program Office: Creighton Hall 437

Graduate Study in Medical Anthropology

The program in Medical Anthropology is designed to provide a usable skill set and framework for understanding health and health care in an increasingly complex world through taking seriously the important factor of culture. This cultural approach to health and health care makes the program unique and complementary with other health-related programs. With its emphasis on fieldwork and cultural analysis in the light of biomedical knowledge, the program furthers the excellence of healthcare professionals. The program promotes strategies for equitable access to effective health care both domestically and globally.

Program Goals

The Master of Arts in Medical Anthropology prepares students to:

1. Identify and examine the holistic, comparative, and ethnographic perspectives of medical anthropology. Students will be able to:
 - a. analyze social behavior and cultural beliefs within specific groups and their conceptions of and practices associated with illness, health, and healing.
 - b. apply the perspectives and approaches of medical anthropology to analyze issues of health and illness.
2. Apply the commonly used methods in medical anthropology for research. Students will be able to:
 - a. collect and analyze data based on a clear understanding of the qualitative, quantitative, and integrated mixed methods used by medical anthropologists.
 - b. conduct fieldwork, extensive library research, or a practicum. They will be skilled in consulting existing knowledge, following the scientific standards commonly accepted in anthropology, and producing original knowledge.
3. Identify and examine ethical issues in medical anthropology research and practice. Students will be able to:
 - a. identify and analyze ethical issues commonly faced by medical anthropologists in their research, writing, and the interpretation of their findings.
 - b. identify and apply the ethical standards of the Institutional Review Boards (IRB) and other ethics boards.
4. Make informed and reflexive contributions to scholarly, professional, and general communities. Students will be able to:
 - a. critically identify, examine, and interpret personal, professional, and Ignatian values and become advocates for change.
 - b. practice effective, clear, and empathic communication across diverse social and cultural perspectives.

Admission Requirements

Applicants must have a Bachelor's degree or its equivalent from an accredited college or university. An application should include:

1. Completed application form, with application fee.
2. Current resume or curriculum vitae.
3. Statement of purpose (3-4 pages, double-spaced) outlining the applicant's a) intended program track, b) reasons for applying, c) scholarly and professional interests, d) intended goals, e) indication of how the applicant will make any necessary scheduling adjustments in order to dedicate sufficient time to graduate studies, and f) the names of two program faculty members with whom the applicant would like to work while in the program.
4. At least one writing sample of the applicant's prior work in any field.
5. Official transcripts from all educational institutions attended (no photocopies accepted).
6. Three recommendations by persons familiar with the applicant's academic background, achievements, and personal qualities.
7. A minimum TOEFL score of 577 (paper-based) or 90 (Internet-based) for students for whom English is not their first language.
8. Proof of regular access to the technology needed to take online courses.

Degree in Medical Anthropology

- Master of Arts with a Major in Medical Anthropology (p. 114)

Certificate in Medical Anthropology

- Medical Anthropology (p. 114)
- Cultural Competency in Health Care (p. 115)

Courses

MMA 590. Social Epidemiology. 3 credits.

Social epidemiology explores how political, economic, and social relationships influence health. Medical anthropology highlights the importance of history, context and culture in shaping understandings, experiences, and ways of addressing health and illness. This course combines the two approaches, emphasizing synergies, potential collaborations, and critical insights at these disciplinary intersections. P: Admittance to Medical Anthropology master's program or DC.

MMA 591. Food, Culture, and Nutritional Health. 3 credits.

Eating is a quintessential biocultural phenomenon – it is on one hand a necessary physiological function enacted with the goal of obtaining adequate nutrition, and on the other hand a symbolic activity that we engage in as social actors in complex and meaningful cultural and physical environments. This course is designed to explore how biological, social, and cultural factors have interacted across time and around the world to shape human diet, nutrition, and health. Within the domain of food and eating, this course will examine human culture as knowledge and behavior systems that are shared and variable within and between social groups. The diversity of human foodways as they influence nutritional health will be considered throughout the life course and on global and local scales. Classic works and case studies from nutritional and medical anthropology will be highlighted, along with scholarly material from nutrition sciences, public health, psychology, and other fields. P: Admittance to Medical Anthropology master's program or DC.

MMA 592. Social Science Approaches to Understanding Disease: Cancer. 3 credits.

In 1971, Richard M. Nixon signed the National Cancer Act, effectively beginning America's "War on Cancer". Since this time, the war has been fought in hospitals, research labs, homes, on the streets, and, most recently, in grocery carts. This course takes a critical and comparative social science approach to studying cancer awareness/education movements and the impact of structural inequality for cancer behavior, access to treatment, and survival. This course emphasizes three topics: a) the language of risk and blame in the case of the HPV vaccine/cervical cancer versus the medical decision-making of cancer "previvors"; b) an analysis of cancer awareness/education movements as both a source of support for patients and a site for the re-enactment of racial/ethnic/class/sexuality inequalities in access to care; c) understanding of culture, class critique, and influences of other social movements [ie, the anti-vaccine movement and the environmental justice movement, etc.] Key to the course is the consideration of advances in genomic technology, the regularity of cancer screenings, and the power of celebrity to advance the public debates about lay epidemiology.

MMA 593. Cultural Competency in Health Care. 3 credits.

This course is designed to critically examine cultural competency in health and health services and the underlying challenges of responding to health disparity. Students will be encouraged to rethink traditional notions of cultural competency while building an advanced foundation for cultural responsiveness in health services.

MMA 600. Seminar in Medical Anthropology. 2 credits.

This course explores meanings of health, disease, and the body. These ideas are profoundly shaped by culture, transnational flows of people, ideas and resources, histories of colonialism and structural inequalities, and the development of new technologies. An informed understanding of health and illness must begin by exploring these multiple dynamics, processes, and contexts. These contexts are explicated through the use of theoretical perspectives, such as bioculturalism, political economy, and phenomenology. It is through these theoretical lenses that students will come to understand how illness, health, and well-being are understood holistically by medical anthropologists. P: Admittance to Medical Anthropology master's program or DC.

MMA 604. Social & Cultural Contexts of Health Care. 3 credits.

This class introduces the student to the various contexts of personal and social experience that construct and interpret bioethics. Participants consider identity and autonomy as embedded in social matrices ranging from the body itself to global configurations. Various power dynamics of class, legitimacy, and ideology are considered. Participants analyze the culture of the biomedical project and the challenge of finding one's voice within it.

MMA 610. Public Health Anthropology: Bridging Differences. 3 credits.

This course examines three types of relationships between anthropology and public health. Anthropology and public health will examine complementary and competing concepts fundamental to each discipline. Anthropology of public health takes a critical look at public health's cultural assumptions in its praxis. Anthropology in public health will focus on ways that anthropology theory and methods inform the practice of public health. using these three approaches, we will examine topics in public health. P: Admittance to Medical Anthropology master's program or DC.

MMA 619. Rescue and Transplantation: Manifestations of Scarcity and Power in U.S. Health Care. 3 credits.

This elective course combines the perspectives of bioethics and anthropology. It focuses on the impact on society of a rescue-oriented health care system and the promotion of transplantation as a quintessential form of rescue. Through reading, discussion, and reflection students explore the concepts of rescue, scarcity, and the search for control in terms of acute care and mortality in the U.S. Students also choose one of several international perspectives on organ transplantation, compare it to a U.S. perspective, and present their finds to the class. The course begins by considering how CPR and the obligation to rescue reflects and shapes both U.S. health care and the social construction of dying and death in the American hospital. The course relates rescue to scarcity and power, including power over nature. The course considers micro and macro perspectives as it explores the organ transfer project, its promises, and its ability to deliver on those promises. Finally, students consider an alternative set of ideas to contrast to rescue's positivist frame.

MMA 620. Global Health: Local Realities and Global Forces. 3 credits.

This course explores the field of global health, particularly the health problems facing populations in developing countries. The course provides an overview of the major initiatives and issues in international public health such as those by the World Health Organization, as well as in-depth case studies of individual nations' approach to health. The underlying purpose of the course is to develop students' awareness of the political, socioeconomic, ecological, and cultural complexity of health problems in developing nations and the need for anthropological involvement in the field of global health. P: Admittance to Medical Anthropology master's program or DC.

MMA 630. Health Care and Health Services: Anthropological Perspectives. 3 credits.

From birth to death, medical decisions pervade our lives. From macroeconomic controversies over private vs. managed care to micro-cultural decisions over whether and how to incorporate various healing traditions into our lives, all of us make decisions on a daily basis over types of medical treatment. This course takes a historical and comparative anthropological approach to studying health services and healthcare systems. The course especially emphasizes three topics: a) controversies precipitated by new medical technologies; b) continuities and dislocations between western and non-western medical traditions; c) appropriate responses to chronic and global diseases, such as AIDS. We consider the broad plurality of ways of diagnosing and treating illness throughout the world, as well as the specific historical and local contexts of new treatments and technologies. P: Admittance to Medical Anthropology master's program or DC.

MMA 640. Rural Health Issues and Initiatives. 3 credits.

This course examines the environmental, cultural, and systemic economic and political factors that contribute to health, wellness, illness, and healing in rural American settings. It identifies the health effects of air and water pollution as a result of agricultural and industrial production as well as natural environmental hazards and extremes. The course interprets the cultural behaviors of rural people related to health and illness within the contexts of income disparities and the geographic isolation that influences access to health care. It examines and critiques the federal and state level policies that attempt to address inequities and injustices in rural health. Students will understand how medical anthropological field methods are applied to identify rural issues in specific local contexts and applied to further appropriate initiatives. P: Admittance to Medical Anthropology master's program or DC.

MMA 650. Indigenous Health Issues. 3 credits.

This course examines indigenous health issues and solutions around the globe. After considering and defining the term the course examines groups and individuals within these groups in specific geographic regions such as the Americas, Oceania, Africa and Asia with a focus on population, culture, health resources and challenges, integration with and separation from the outside world particularly in relationship to the Nations in which these groups are located. The class also examines each group's relationship with their heterogeneous health care options. P: Admittance to Medical Anthropology master's program or DC.

MMA 660. Directed Projects in Medical Anthropology. 1-6 credits.

The student, supervised by a faculty member, pursues in-depth studies on a specific topic, resulting in a paper of publishable quality and length, assessed by the supervising faculty member in terms of 1) research, reading and writing skills, 2) critical thinking and 3) scientific significance. P: MMA 600.

MMA 750. Methods I: Quantitative Research Analysis. 3 credits.

This course will combine an in-depth exploration of quantitative research techniques with a variety of statistical assessments. Particular emphasis will be paid to collection, coding and analysis of original data. Issues concerning ethical expectations and considerations in the collection, analysis and reporting of quantitative data will also be fully addressed. Undergraduate statistics course suggested. P: Admittance to Medical Anthropology master's program or DC.

MMA 760. Methods II: Qualitative Field Research Methods. 3 credits.

This course will introduce the field research methods used by anthropologists to collect and interpret data. The course will begin by discussing ethical and epistemological issues in research. Then, through a variety of in-class and out-of-class exercises, students will gather and analyze data. By the end of the course, students should be able to evaluate the research of others and plan and conduct their own research through 1) identifying research problems, 2) selecting appropriate research methods, 3) developing a research proposal, and 4) practicing data collection and analysis. P: Admittance to Medical Anthropology master's program or DC.

MMA 770. Field Research and Thesis Writing. 3-9 credits.

This course is taken by students who opt for the field research track with writing a thesis based on the field research findings. Students will closely interact with and be mentored by their advisor in collecting, analyzing, and interpreting data and when they write the thesis. P: Admittance to Medical Anthropology master's program or DC and MMA 750 and MMA 760.

MMA 771. Library Research and Thesis Writing. 3-9 credits.

This course is taken by students who opt for the library research track with writing a thesis based on the library research findings. Students will closely interact with and be mentored by their advisor in searching for, analyzing, and interpreting data and when they write the thesis. P: Admittance to Medical Anthropology master's program or DC and MMA 750 and MMA 760.

MMA 772. Practicum and Program Development. 3-9 credits.

This course is taken by students who opt for the practicum track with developing a program, assessment tool, educational material, etc. for a practicum organization supervised by someone within the organization and by the academic advisor. Both the academic advisor and the organization's supervisor will assess the developed "product" and the academic advisor will assign the grade. P: Admittance to Medical Anthropology master's program or DC and MMA 750 and MMA 760.

Master of Arts with a Major in Medical Anthropology

The master's degree program requires students to take twelve of the program's courses (36 credit hours). All Medical Anthropology courses are delivered on-line and students may take them in any sequence. Students work in consultation with their academic advisor to create an individualized program of study, and will select, together with their advisor, a thesis path (Field Research or Library Research) or non-thesis Practicum path, which includes a capstone paper.

Students must maintain at least a 3.0 grade average throughout the graduate program. Creighton undergraduate students can, in their final semester before graduation, take 600-level courses of this program upon approval by the Program Director.

(Effective Spring 2017)

M.A., Medical Anthropology requirements (36 credits):

Required preparatory courses to be completed before taking any other courses:

| | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|----|
| GRD 600 | Orientation to Creighton | |
| Required courses: | | 15 |
| GRD 601 | Writing for Graduate Students | |
| MMA 600 | Seminar in Medical Anthropology | |
| MMA 610 | Public Health Anthropology: Bridging Differences | |
| MMA 620 | Global Health: Local Realities and Global Forces | |
| MMA 750 | Methods I: Quantitative Research Analysis | |
| MMA 760 | Methods II: Qualitative Field Research Methods | |
| Select one of the following: | | 9 |
| MMA 770 | Field Research and Thesis Writing | |
| MMA 771 | Library Research and Thesis Writing | |
| MMA 772 | Practicum and Program Development | |
| Electives: | | 12 |
| Students are encouraged to select four of the following courses. In consultation with the student's advisors, it is also possible to select graduate courses offered by other Creighton programs, particularly courses from the Master's in Public Health program, provided the courses help students to meet the MMA program learning goals. ¹ | | |
| MMA 590 | Social Epidemiology | |
| MMA 591 | Food, Culture, and Nutritional Health | |
| MMA 592 | Social Science Approaches to Understanding Disease: Cancer | |
| MMA 593 | Cultural Competency in Health Care | |
| MHE 604 | Social and Cultural Contexts of Health Care | |
| MHE 619 | Rescue and Transplantation: Manifestations of Scarcity and Power in U.S. Health Care | |
| MMA 630 | Health Care and Health Services: Anthropological Perspectives | |
| MMA 640 | Rural Health Issues and Initiatives | |
| MMA 650 | Indigenous Health Issues | |
| Total Credits | | 36 |

¹ Consult the Master's in Public Health (p. 160) section of the catalog for course options. The MMA Program Learning Goals (p. 111) are listed under Overview in the Medical Anthropology catalog section.

(Effective Fall 2016)

M.A., Medical Anthropology requirements (36 credits):

Required preparatory courses to be completed before taking any other courses:

| | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|----|
| GRD 600 | Orientation to Creighton | |
| Required courses: | | 21 |
| GRD 601 | Writing for Graduate Students | |
| MMA 600 | Seminar in Medical Anthropology | |
| MMA 610 | Public Health Anthropology: Bridging Differences | |
| MMA 620 | Global Health: Local Realities and Global Forces | |
| MMA 630 | Health Care and Health Services: Anthropological Perspectives | |
| MMA 640 | Rural Health Issues and Initiatives | |
| MMA 750 | Methods I: Quantitative Research Analysis | |
| MMA 760 | Methods II: Qualitative Field Research Methods | |
| Select one of the following: | | 9 |
| MMA 770 | Field Research and Thesis Writing | |
| MMA 771 | Library Research and Thesis Writing | |
| MMA 772 | Practicum and Program Development | |
| Electives: | | 6 |
| Students are encouraged to select two of the following courses. In consultation with the student's advisors, it is also possible to select graduate courses offered by other Creighton programs, particularly courses from the Master's in Public Health program, provided the courses help students to meet the MMA program learning goals. ¹ | | |
| MMA 590 | Social Epidemiology | |
| MMA 591 | Food, Culture, and Nutritional Health | |
| MMA 592 | Social Science Approaches to Understanding Disease: Cancer | |
| MMA 593 | Cultural Competency in Health Care | |
| MHE 604 | Social and Cultural Contexts of Health Care | |
| MHE 619 | Rescue and Transplantation: Manifestations of Scarcity and Power in U.S. Health Care | |
| MMA 650 | Indigenous Health Issues | |
| Total Credits | | 36 |

¹ Consult the Master's in Public Health (p. 160) section of the catalog for course options. The MMA Program Learning Goals (p. 111) are listed under Overview in the Medical Anthropology catalog section.

Graduate Certificate Program in Medical Anthropology

Certificate Program Learning Goals

The Graduate Certificate in Medical Anthropology prepares students to:

1. Identify and examine the holistic, comparative, and ethnographic perspectives of medical anthropology. Students will be able to:

- a. recognize the relationship between social behavior and cultural beliefs within specific groups and their conceptions of and practices associated with illness, health, and healing.
 - b. recognize the perspectives and approaches of medical anthropology to analyze issues of health and illness.
2. Recognize the commonly used methods in medical anthropology for research. Students will be able to:
 - a. identify the qualitative, quantitative, and integrated mixed methods used by medical anthropologists.
 3. Identify and examine ethical issues in medical anthropology research and practice. Students will be able to:
 - a. identify ethical issues commonly faced by medical anthropologists in their research, writing, and the interpretation of their findings.
 - b. be familiar with the ethical standards of the Institutional Review Boards (IRB) and other ethics boards.
 4. Recognize the importance of informed and reflexive contributions to scholarly, professional, and general communities. Students will be able to:
 - a. understand personal, professional, and Ignatian values.
 - b. value effective, clear, and empathic communication across diverse social and cultural perspectives.

| | |
|---------------|--------------------------------------------------------------------------------------|
| MMA 619 | Rescue and Transplantation: Manifestations of Scarcity and Power in U.S. Health Care |
| MMA 620 | Global Health: Local Realities and Global Forces |
| MMA 630 | Health Care and Health Services: Anthropological Perspectives |
| MMA 640 | Rural Health Issues and Initiatives |
| MMA 650 | Indigenous Health Issues |
| Total Credits | |
| | 15 |

Cultural Competency in Health Care Certificate

Program Director: Dr. Alexander Roedlach SVD

This program is designed for health care professionals and non-clinical professionals working or intending to work in diverse health care settings with patients. While their professional associations and organizations may have specific competencies associated with certain skills pertaining to cultural competency, this program teaches the essential and foundational knowledge, attitudes, and skills. This certificate program is designed to critically examine cultural competency in health and health services and the underlying challenges of responding to health disparity. Students will be encouraged to rethink traditional notions of cultural competency while building an advanced foundation for cultural responsiveness in health care services.

Program Learning Objectives

Upon completion of this program, students will be able to:

1. Compare the relationship between different conceptual frameworks for health and understanding health and illness
2. Analyze the relationship between social inequities and health and illness
3. Discuss how culture and social inequities impact the delivery and utilization of health services
4. Describe the responsibility of clinical providers in cross-cultural relationships
5. Identify factors related to disparate health outcomes for ethnic minorities in America
6. Form cultural responsiveness as professional responsibility
7. Justify the need to negotiate care
8. Apply enhanced communication skills
9. Use advanced negotiation skills
10. Perform cultural liaisons/brokers' activities

Preparation Phase

Incoming students will take the Intercultural Development Inventory (IDI) to assess intercultural competency. Students will also take a Medical Anthropology (MMA) Introductory Self-Assessment to assess foundational knowledge in anthropology and social and cultural determinants of health.

Cultural Competency in Health Care Certificate requirements (15 credits):

| | | |
|-------------------------------|------------------------------------|---|
| GRD 600 | Orientation to Creighton | 0 |
| Foundational Knowledge | | |
| GRD 601 | Writing for Graduate Students | 1 |
| MMA 593 | Cultural Competency in Health Care | 3 |

Certificate Program Requirements

The Graduate Certificate program in Medical Anthropology requires students to take six courses for credit (with a total of 15 credit hours), in addition to a zero-credit-hour orientation course. All Medical Anthropology courses are delivered on-line and students may take them in any sequence. Students must maintain at least a 3.0 GPA throughout the graduate program. The program can be completed by full-time students within a year (summer, fall, and spring semester). However, students can elect, in consultation with their academic advisor, to follow a different program schedule. Creighton undergraduate students can, in their final semester before graduation, take 600-level courses of this program upon approval by the Program Director.

Required preparatory courses to be taken before taking any other courses: 1

| | |
|---------|-------------------------------|
| GRD 600 | Orientation to Creighton |
| GRD 601 | Writing for Graduate Students |

Required courses: 2

| | |
|---------|---------------------------------|
| MMA 600 | Seminar in Medical Anthropology |
|---------|---------------------------------|

Select one of the following: 3

| | |
|---------|------------------------------------------------|
| MMA 750 | Methods I: Quantitative Research Analysis |
| MMA 760 | Methods II: Qualitative Field Research Methods |

Select three of the following: 9

| | |
|---------|------------------------------------------------------------|
| MMA 590 | Social Epidemiology |
| MMA 591 | Food, Culture, and Nutritional Health |
| MMA 592 | Social Science Approaches to Understanding Disease: Cancer |
| MMA 593 | Cultural Competency in Health Care |
| MMA 604 | Social & Cultural Contexts of Health Care |
| MMA 610 | Public Health Anthropology: Bridging Differences |

| | | |
|--------------------------------|---------------------------------------------------------------|----|
| MMA 600 | Seminar in Medical Anthropology | 2 |
| MMA 630 | Health Care and Health Services: Anthropological Perspectives | 3 |
| Attitudes electives | | |
| Choose one of the following: | | 3 |
| MMA 590 | Social Epidemiology | |
| MMA 591 | Food, Culture, and Nutritional Health | |
| MMA 592 | Social Science Approaches to Understanding Disease: Cancer | |
| MMA 604 | Social & Cultural Contexts of Health Care | |
| MMA 610 | Public Health Anthropology: Bridging Differences | |
| MMA 620 | Global Health: Local Realities and Global Forces | |
| MMA 640 | Rural Health Issues and Initiatives | |
| MMA 650 | Indigenous Health Issues | |
| Praxis Skills electives | | |
| Choose one of the following: | | 3 |
| MPH 602 | Community Health Assessment | |
| MPH 608 | Health Communication and Informatics | |
| MSL 601 | Strategic Orienteering and Execution Tactics | |
| MSL 602 | Communicating and Leading Across Cultures | |
| MSL 603 | Innovation and Adaptive Change | |
| MSL 604 | Approaches to Human Capital | |
| NCR 622 | Conflict Engagement and Leadership | |
| NCR 624 | Dynamics of Conflict | |
| NCR 633 | Applied Interdisciplinary Research: A Narrative Approach | |
| PHA 403 | Cultural Proficiency for Health Care Professionals I | |
| Total Credits | | 15 |

Concluding Stage

At the conclusion of the program, students will take the Intercultural Development Inventory (IDI).

Medical Microbiology and Immunology

Program Director: Patrick C. Swanson, Ph.D.
Program Office: Criss II, Room 529

<https://succeed.creighton.edu/program/medical-microbiology-and-immunology-doctor-philosophy-phd>

Graduate Study in Medical Microbiology and Immunology

Within the context of Creighton as a Jesuit, Catholic University, the Graduate School provides value-centered education for students to develop mastery of their chosen field of study. The Medical Microbiology and Immunology programs offer an environment ideal for fostering critical judgment, scholarly initiative, and disciplined inquiry.

Program Goals

At the completion of this graduate program in Medical Microbiology & Immunology, students will:

1. Demonstrate advanced knowledge in the fields of Medical Microbiology and Immunology.

2. Demonstrate independent critical and analytical thinking, both within their field of study, and beyond for the use of their knowledge for service to others.
3. Identify and suggest possible solutions to ethical dilemmas that occur in their work and field of study, and understand the importance of professional ethics in all aspects of scientific communication and laboratory work.
4. Demonstrate competence in the laboratory, including application of the scientific method and appropriate use of basic and state of the art laboratory tools and techniques.
5. Demonstrate written and oral skills necessary for communication of research, knowledge, and ideas to scientists and non-scientists alike.

These five objectives provide a general framework for the development of graduate students as critical and analytical thinkers in their fields of study. Presented below are more specific objectives for the Ph.D. and M.S. programs.

Admission Requirements

The student's academic record and performance will be a major factor in acceptance. The undergraduate curriculum must include fundamental courses in both the biological and chemical sciences. For doctoral students, a strong foundation in undergraduate microbiology, immunology, molecular biology and biochemistry are desired. However, lack of advanced courses in some of these areas will not necessarily preclude consideration for admission into the doctoral program. A minimum GPA of 3.0 on a scale of 4.0 is required. The applicant is required to submit results from the Graduate Record Exam (GRE) prior to admission. A minimum combined score of 300 is required for the verbal and quantitative sections, and a minimum score of 4.0 is required for the analytical writing component.

The Graduate School requires all students from countries in which English is not the native language to demonstrate competence in English by a score of 90 on the Internet-based Test (iBT) TOEFL (Test of English as a Foreign Language) examination at the graduate level.

Doctor of Philosophy (Ph.D.) Program

The objective of the program is to prepare highly qualified students for a broad range of possible careers in research and teaching in medical microbiology and immunology and related health science fields. Study for the Ph.D. degree emphasizes independence in scientific pursuit, with a particular emphasis on research. Course work and dissertation research are designed to bring the student to a high-level of competence in microbiology and immunology with particular expertise in the area chosen for dissertation research. You will be expected to demonstrate a high capacity for original and independent thought, and apply this creativity, educational background, and knowledge of the scientific method to dissertation research.

Master of Science (M.S.) Program

The objectives of the program include preparation of the student for one or more of the following careers:

1. teaching of medical microbiology and immunology at the undergraduate level, and
2. participation in supervised or team research in universities, industry or government.

In addition, the program will prepare outstanding students for pursuit of the Ph.D. degree. Study for the Master's degree emphasizes a

combination of course work and laboratory experience to familiarize you with microbiology and immunology and to educate you in the scientific method. It can be a time when you identify a primary interest in microbiology and immunology, or a time when you first become introduced to the fields of microbiology and immunology.

Medical Microbiology Degree Programs

- Master of Science (M.S.) (p. 118)
- Doctor of Philosophy (Ph.D.) (p. 118)

Courses

MIC 541. Medical Microbiology and Immunology. 3 credits. FA

Introductory course focusing on foundations of general bacteriology and virology, antibacterial therapy and mechanisms of antibacterial resistance, infectious diseases caused by bacteria, viruses, fungi, and parasites, and the host defenses against these microorganisms. R, L. P: Second year Pharm.D. student or degree seeking graduate student. Upper level undergraduate or other students require approval from course director.

MIC 543. Essentials of Immunology. 3 credits. SP

Lecture course covering the major areas of contemporary immunology including host resistance to infection, the chemistry of antigens and physiology of the immune system, immunogenetics and transplantation immunology, immunological techniques, tumor immunology, and immunopathology. P: MIC 541, or IC.

MIC 721. Foundations of Microbiology. 4 credits.

Lecture course that emphasizes (1) the foundations of general bacteriology and virology, (2) microorganisms of medical importance and the diseases, (3) antimicrobial, and (4) scientific logic for critical analysis of original research articles in the field. A required course for graduate students in the program.

MIC 733. Advanced Microbial Pathogenesis. 3 credits. AY, SP

Lectures, seminars, literature review, and group discussion concerning mechanisms by which microorganisms cause disease. P: MIC 617 or IC.

MIC 735. Diagnostic Microbiology. 4 credits. AY, SP

Laboratory and conferences which deal with selection of clinical specimens for diagnosis, isolation of pathogenic microorganisms and preparation of media for their growth. 4 R. L arr. P: IC.

MIC 739. Bacterial Physiology. 3 credits. AY, SP

Study of molecular, cellular, and genetic processes in bacteria. Includes molecular structure and function, cell division, synthesis of macromolecules, and metabolism.

MIC 740. Host Defense. 3 credits. SP

The student will be provided with the information to have a clear understanding of various subject areas, including antigen recognition, development of B& T cells, constitutive host defenses, immunopathology, inflammation, transplantation, allergy, and tumor immunology. Lecture presentations, assigned reading and computer-aided instruction. P: MIC 541, MIC 617 or IC.

MIC 745. Cellular And Molecular immunology. 3 credits. SP

This course will focus on the basic and clinical aspects of cellular and molecular immunology. 2 R&L arr. P: MIC 740 or IC.

MIC 746. Advanced Immunology. 3 credits. AY, FA

Lectures and conferences providing a coordinated and detailed account of current immunology at an advanced level. Students will be expected to familiarize themselves with the original literature, and emphasis will be given to the more rapidly progressing areas. 3 R&L arr. P: MIC 543 or IC.

MIC 749. Molecular Virology. 3 credits. AY, FA

Study of the physical, chemical, and biological properties of viruses. Selected topics will include such areas of investigation as cultivation and identification, replication, host-virus interactions, interference, and viral oncogenesis. P: MIC 617 or IC.

MIC 753. Advanced Antimicrobial Agents And Chemotherapy. 3 credits. AY, FA

Chemistry, pharmacology, and biology of antibiotic substances and their use in therapy of infectious diseases. P: MIC 617 or IC.

MIC 790. Current Topics in Medical Microbiology and Immunology. 2 credits. FA

Lectures and literature discussion covering recent advances in the fields of microbiology, immunology, and virology, with roughly a third of the course devoted to each field of study. P: MIC 541, MIC 617.

MIC 791. Department Seminar And Teaching. 1 credit.

The student is required to register each semester of his/her residence. The maximum credit applicable toward a degree is two for the M.S.; six for the Ph.D. This course is graded satisfactory/unsatisfactory.

MIC 793. Directed Independent Readings: Selected Topics In Medical Microbiology And Immunology. 1-4 credits. FA, SP, SU

Conferences and reading assignments providing an opportunity for in-depth study of recent developments and associated problems in carefully selected and highly specialized areas of medical microbiology such as parasitology, mycology, clinical microbiology, pathogenesis, immunology, and epidemiology and public health.

MIC 795. Directed Independent Study. 4 credits.

MIC 797. Directed Independent Research for Master's Degree Students. 1-6 credits. FA, SP, SU
Investigative work on selected subject. (Non-thesis research optional). L&R arr.

MIC 799. Master's Thesis. 1-6 credits. FA, SP, SU

Research, under departmental supervision, in connection with the preparation of the Master's thesis. Student must register for this course in any term when engaged in formal preparation of the Master's thesis; however, six credit hours are the maximum applicable toward the degree.

MIC 893. Directed Independent Readings: Selected Advanced Topics In Medical Microbiology And Immunology. 1-4 credits. FA, SP, SU

Conferences and reading assignments providing an opportunity for in-depth study of recent developments and associate problems in carefully selected and highly specialized areas of medical microbiology such as parasitology, mycology, clinical microbiology, pathogenesis, immunology, and epidemiology and public health.

MIC 897. Directed Independent Research for Doctoral Students. 1-6 credits. FA, SP, SU

Investigative work on a selected subject.

MIC 899. Doctoral Dissertation. 1-6 credits. FA, SP, SU

Research, under departmental supervision, in connection with the preparation of the doctoral dissertation. Student must register for this course in any term when engaged in formal preparation of the doctoral dissertation; however, 20 credit hours are the maximum applicable toward the degree.

Doctor of Philosophy (Ph.D.), Medical Microbiology & Immunology

Doctor of Philosophy (Ph.D.), Medical Microbiology & Immunology (90 credits)

| | | |
|---------|-------------------------------------------------------|---|
| MIC 721 | Foundations of Microbiology | 4 |
| MIC 739 | Bacterial Physiology | 3 |
| MIC 727 | | 4 |
| MIC 733 | Advanced Microbial Pathogenesis | 3 |
| MIC 740 | Host Defense | 3 |
| MIC 745 | Cellular And Molecular immunology | 3 |
| MIC 790 | Current Topics in Medical Microbiology and Immunology | 2 |
| IDC 601 | Responsible Conduct of Research | 1 |
| BIO 310 | Biostatistics | 4 |

Directed Electives

Select 2 courses minimum from the following: 2-8

| | | |
|---------|------------------------------------------------------------------------------------------------|--|
| MIC 746 | Advanced Immunology | |
| MIC 753 | Advanced Antimicrobial Agents And Chemotherapy | |
| MIC 739 | Bacterial Physiology | |
| MIC 790 | Current Topics in Medical Microbiology and Immunology | |
| MIC 747 | | |
| MIC 754 | | |
| MIC 735 | Diagnostic Microbiology | |
| MIC 749 | Molecular Virology | |
| MIC 737 | | |
| MIC 893 | Directed Independent Readings: Selected Advanced Topics In Medical Microbiology And Immunology | |

Courses from other departments may be considered if the graduate committee feels they would be beneficial to research development.

| | | |
|---------|------------------------------------------------------|----|
| MIC 791 | Department Seminar And Teaching (take each semester) | 8 |
| MIC 897 | Directed Independent Research for Doctoral Students | 12 |
| MIC 899 | Doctoral Dissertation | 12 |

Additional Electives

Students take approved electives to complete the 90 credit hour doctoral program.

Students entering the Ph.D. program having already obtained their M.S. degree may have a maximum of 30 credit hours transferred to the program.

Master of Science (M.S.), Medical Microbiology & Immunology

Master of Science (M.S.), Major in Medical Microbiology & Immunology (30 credits)

MIC Courses 600- or 700-level 27

| | | |
|---------------|-----------------|----|
| MIC 799 | Master's Thesis | 3 |
| Total Credits | | 30 |

Medical Physics

Program Director: Michael G. Nichols, Ph.D.

The M.S. Medical Physics program will provide training for individuals interested in pursuing a career in Medical Physics. The 43 hour master's program will provide didactic training in the fundamentals of medical and health physics, radiobiology, radiological physics and radiation dosimetry, nuclear medicine, medical imaging, as well as research (M.S. Thesis required) and clinical experience (clinical rotations in local hospitals) to provide the experience needed by practicing medical physicists.

Admission Requirements

To be eligible for admission, students must have a Bachelor's degree with a major in Physics (preferred), Engineering, or another science discipline. If the Bachelor's degree is not in physics, students must have completed at least 18 credit hours of undergraduate-level physics, with at least 9 hours in upper division physics courses and a minimum 3.0 GPA. Appropriate undergraduate chemistry (at least 1 year), Biology (at least 1 year), Mathematics (two years, Calculus and Differential Equations), and computer science (proficiency in at least one programming language) preparation is also required. The general GRE exam is required. The Physics GRE subject exam is recommended, but not required. International students must complete the TOEFL exam with a minimum total score of 90 (iBT) and a minimum score of 20 in each of the four test sections.

A complete application for admission will include all undergraduate transcripts, three letters of recommendation, official test scores, and a personal statement.

Learning Outcomes

The M.S. program in medical physics provides students with the basic and applied knowledge necessary for further education and research in medical physics. Students completing the program will be well prepared for Part 1 of the ABR board certification exam and have the necessary skills to continue their training in a clinical residency program. To this end, students completing the program will:

1. demonstrate competency in physics, mathematics, computer programming and other basic science knowledge, required for research and clinical practice in medical physics;
2. demonstrate professional attributes and ethical behaviors required of medical physicists;
3. demonstrates skills in communication through writing and oral presentation;
4. demonstrate proficiency in theoretical or experimental research design;
5. effectively use the research process to pose and address relevant problems in research and clinical settings;
6. demonstrate a conceptual and methodological understanding of how research leads to the creation of new knowledge and the re-interpretation of existing knowledge;
7. present effective progress reports on their research;
8. complete a M.S. thesis which demonstrates effective synthesis and analysis of current research

- and scholarship in medical physics;
9. demonstrate deliberate reflection for personal and professional formation;
 10. develop communication and interpersonal skills needed to function in a collaborative environment;
 11. demonstrate an awareness of the complexity of knowledge in medical physics as well as receptiveness to alternative interpretations, new knowledge, and alternative approaches to problem solving.

M.S., Major in Medical Physics (p. 120)

Courses

PHY 521. Electronics for Scientists. 3 credits. FA, OD

Basic course in electronics. Laboratory experiments include an introduction to measuring instruments, solid state components, and digital and logic circuits. Lecture closely follows the experiments. 1R, 5L. P: PHY 214 or PHY 222 or PHY 202.

PHY 522. Electric Circuits. 3 credits. FA, OD

Kirchhoff's Laws. Solutions to homogeneous and non-homogeneous linear systems in electronics. AC and DC circuit response. Computer-assisted modeling of circuits. P: IC.

PHY 531. Quantum Mechanics. 3 credits. FA

Development of the formalism of non-relativistic quantum mechanics; applications to the harmonic oscillator, the hydrogen atom, square-well potential, and scattering. P: PHY 301 and PHY 471.

PHY 541. Thermodynamics And Statistical Mechanics. 3 credits. FA

Laws of thermodynamics, thermodynamic variables, thermodynamic potentials; kinetic theory, distribution functions, classical and quantum statistics. P: PHY 214 or CHM 331 or PHY 222 or PHY 202; and MTH 246.

PHY 551. Mathematical Physics. 3 credits. FA

Mathematical methods for the representation of physical processes in space and time. Fourier and other complete representations; vector calculus; tensors and matrices. Selection and emphasis on topics keyed to needs of students enrolled. P: PHY 212 or PHY 222; MTH 347.

PHY 553. Computational Physics. 3 credits. OD

The course offers an introduction to scientific computing techniques for physics students. The course will offer training in computational software and programming language to model complex systems and/or to analyze data. Examples are drawn from a variety of subfields of physics. P: PHY 214 or PHY 222 or DC.

PHY 559. Gravitation and Cosmology. 3 credits. OD

An introduction to standard big bang cosmology utilizing Einstein's general theory of relativity. Topics in relativity will include tensor analysis, Riemannian geometry, and the Einstein equation. Topics in cosmology will include the Friedman-Robertson-Walker metric, the age of the universe, dark matter and dark energy, and early universe thermodynamics. P: PHY 301.

PHY 561. Nuclear Physics. 3 credits. OD

Application of elementary quantum mechanical theory and relativity to the study of nuclear structure, radioactive decay, and nuclear models. P: PHY 531.

PHY 562. Nuclear Instruments And Methods. 2 credits. OD

Laboratory work in nuclear physics designed to teach the methods and procedures of experimental nuclear physics at an advanced level and to familiarize the student with modern research equipment and its use. 3L. P: PHY 302 or IC.

PHY 563. High Energy Nuclear Physics. 1 credit. OD

Students will read and discuss original journal articles related to the historical development of high energy physics. P: PHY 214 or PHY 222 or PHY 202; and MTH 246; or IC.

PHY 565. Radiation Biophysics. 3 credits.

A systematic study of the mechanisms by which ionizing radiation affect cells and biomolecules, pertaining to radiation therapy. Topics include: Physical mechanisms for radiation absorption, Kerma, dose, LET, track structure, water radiochemistry, mathematical survival models, DNA damage, repair mechanisms, RBE, OER, linear no-threshold model, bystander effects, and dose fractionation. P: Permission of instructor.

PHY 566. Physics of Medical Imaging. 3 credits.

A systemic study of medical imaging including projection x-ray (mammography, fluoroscopy), computed tomography, nuclear imaging (SPECT, PET), magnetic resonance imaging, and ultrasound. For each imaging modality, the mathematical foundation, physical mechanism, technology involved in clinical implementation, technique strengths and limitations, quantification of image quality, and routine quality assurance procedures will be examined. P: Permission of instructor.

PHY 571. Condensed Matter Physics. 3 credits. OD

An introduction to the structure and dynamics of solids and liquids including solid state physics. Topics include the structure of crystalline, amorphous and self-similar (fractal) matter as conveyed by scattering techniques, the vibrational properties of crystals, the dynamics of liquids, electron dynamics in crystals (including band theory), response functions, percolation theory, and phase transitions (with an emphasis on critical phenomena, scaling and renormalization). P: PHY 301 or CHM 341 or IC.

PHY 572. Condensed Matter Laboratory. 1 credit. OD

Laboratory work designed to acquaint the student with spectroscopy techniques used in condensed matter and material science, including: static and dynamic light scattering, Raman spectroscopy, X-ray diffraction, scanning tunneling microscopy, and dielectric spectroscopy. 3L. CO: PHY 571 or IC.

PHY 581. Advanced Laboratory I. 1 credit. FA

Advanced laboratory work in physics designed to teach the methods of experimental research in physics. Students will work in collaborative teams on two open-ended experiments, each lasting six weeks, drawn from any physics subfield. Students will also develop a research proposal to be executed in PHY 582, Advanced Laboratory II. P: PHY 302, 303, and 332.

PHY 582. Advanced Laboratory II. 1 credit. SP

Advanced laboratory designed to teach the methods of experimental research in physics. Students will work in collaborative teams to complete a project of their own design, including literature review, design and execution of the experiment, data analysis (including statistical testing) and a written report. Students will participate in mock peer-review. P: Phy 581.

PHY 587. Laser Physics. 3 credits. OD

A thorough review of the essential optical and physical principles needed for understanding laser characteristics, operation and design. Topics include the principle of detailed balance, absorption, stimulated emission, gain, obtaining population inversions, pumping requirements, laser cavity modes, Gaussian beams, laser resonators, Q-switching, mode-locking, and an overview of specific laser systems including gas-tube and solid-state lasers. P: PHY 331 or IC.

PHY 591. Seminar in Engineering. 1-3 credits. OD (Same as ERG 591)

A series of lectures, discussions and engineering speakers to assist pre-engineers to define more clearly their professional goals by acquainting them with diversified career options available to engineers. Topics include: engineering career exploration and development; cooperative education and internships; and job search, resume writing and interviewing techniques. P: IC.

PHY 595. Special Topics. 1-3 credits. OD

A course treating physics topics of special interest. The course will be subtitled in the Schedule of Classes and may be repeated under different subtitles. P: IC.

PHY 611. Classical Mechanics. 3 credits. FA

Variational principles, Lagrange's equations, two-body central force motion, rigid-body motion, transformations, small oscillations.

PHY 621. Electromagnetic Theory. 3 credits. FA

Electromagnetic fields, application of Maxwell's equations to electromagnetic waves and their interaction with matter.

PHY 631. Quantum Mechanics I. 3 credits. SP

Development of the formalism of quantum mechanics with applications to simple systems.

PHY 632. Quantum Mechanics II. 3 credits. OD

Applications of quantum mechanics to current fields of interest. P: PHY 631.

PHY 641. Statistical Mechanics. 3 credits. SP

Review of thermodynamics, classical and quantum statistical theory, applications to current fields of interest.

PHY 652. Advanced Mechanical Methods. 0 credits. OD

Small oscillations, transformations, special functions, boundary value problems. P: MTH 347.

PHY 662. Radiation Dosimetry and Protection. 3 credits.

A survey of personal and environmental dosimetry and monitoring with an emphasis on ionizing radiation. Topics include photon and neutron beams, particle interactions, stopping power, range absorbed dose, charged particle equilibrium, measurement techniques, cavity theory, ionization chambers, thermoluminescence, photographic, chemical, and calorimetric dosimetry, pulse-mode-detectors, scintillation materials, semiconductor dosimeters, biophysical models. P: PHY 301, BIO 202; Graduate standing.

PHY 785. Clinical Practice of Teaching Science. 3-7 credits. OD

Practical experience in the conduct of classroom teaching and related activities in science. This experience is obtained under the immediate supervision of a fully experienced cooperating teacher and a University supervisor in a local school in grades 7-12. Application to the Director of Field Experiences in the Education Department for all student teaching must be made before February 1 for the Fall Semester and October 1 for the Spring Semester. Secondary Education P: EDU 525, EDU 548, EDU 551, EDU 575; CO: EDU 593.

PHY 790. Research Methods. 2 credits. OD

Introduction to current research in Physics.

PHY 791. Graduate Seminar. 1-3 credits. FA, SP

Oral presentation and critical discussion of subjects in physics or related fields by invited speakers, faculty, and students.

PHY 793. Directed Independent Readings. 1-3 credits. FA, SP, SU

Advanced instruction in areas of special interest to the faculty, such as the following: atomic physics, nuclear physics, particle physics, solid state physics, surface physics, statistical mechanics, foundations of physics; biophysics. P: IC.

PHY 795. Directed Independent Study. 1-3 credits. FA, SP, SU

Advanced study in a specific area of interest to the faculty. P: IC.

PHY 797. Directed Independent Research. 1-3 credits. FA, SP, SU

An independent research project under the guidance of a member of the faculty. Weekly conferences. Written report of work required at the end of each semester. P: IC.

PHY 799. Master's Thesis. 1-6 credits. FA, SP, SU

Research in connection with the preparation of the Master's thesis. Students must register for this course in any term when engaged in formal preparation of the master's thesis; however, six credit hours are the maximum applicable toward the degree. P: DC.

Master of Science (M.S.), Major in Medical Physics

The M.S. Medical Physics program will provide training for individuals interested in pursuing a career in Medical Physics. The 43 hour master's program will provide didactic training in the fundamentals of medical and health physics, radiobiology, radiological physics and radiation dosimetry, nuclear medicine, medical imaging, as well as research (M.S. Thesis required) and clinical experience (clinical rotations in local hospitals) to provide the experience needed by practicing medical physicists.

M.S., Major in Medical Physics requirements (43 credits)

| | | |
|---------|------------------------------------|-----|
| PHY 565 | Radiation Biophysics | 3 |
| PHY 566 | Physics of Medical Imaging | 3 |
| PHY 531 | Quantum Mechanics | 3 |
| PHY 551 | Mathematical Physics | 3 |
| PHY 561 | Nuclear Physics | 3 |
| PHY 562 | Nuclear Instruments And Methods | 2 |
| PHY 6xx | Physics of Radiation Therapy | 3 |
| PHY 6xx | Dosimetry and Radiation protection | 3 |
| PHY 792 | Medical Physics Seminar | 2 |
| PHY 797 | Directed Independent Research | 6 |
| PHY 798 | Medical Physics Rotation | 6 |
| PHY 799 | Master's Thesis | 1-6 |

Ministry

Program Director: Eileen C. Burke-Sullivan
Program Office: Humanities Center, Room 134

Graduate Study in Ministry

This is a 46 credit professional, ecclesial ministry formation program which incorporates graduate Christian theology, human and personal

development, spiritual formation and applied ministerial skills through an accelerated online and on-campus hybrid methodology.

The program is especially attentive to Creighton University's mission to offer formation in the Ignatian tradition according to the charisms of care of the individual (*cura personalis*), striving for the greater good (*magis*), the service of faith and promotion of justice (*diaconia*), leadership, and contemplation in and through action.

The program remains primarily organized to address the formation of lay men and women for professional ministry in the Catholic Church (including but not limited to parish, diocese, campus ministry, hospital, military or prison chaplaincy etc.). The program is also organized to deepen the formation of ordained deacons and deacon candidates in the Catholic Church. Candidates for professional ministry within other Christian denominations are also welcome.

Program Components

- Thirty-eight (38) Credits of accelerated Theology courses are offered throughout the year in 8-week, on-line units
- Four (4) Credits of Professional and Personal Development Courses are taken on campus in one week blocks
- Four (4) Credits of Internship are taken in 1, 2, 3, or 4 credit blocks to achieve four credits total. Internship units may be taken after at least 12 credits of Theology are completed and must be completed before or concurrent to the synthesis course. Internships are tailored to student interest and professional plans at a site or sites chosen by the student and approved by the director. All units are supervised by a mentor recommended by the student and appointed by the director.

Personal Formation Requirements include ten or more days committed to personally directed spiritual retreat(s). On-going spiritual direction with a program approved spiritual director and an on-going ministerial mentoring relationship with a program approved mentor are also required and developed with program supervision.

Program Goals

The Master of Arts in Ministry program intends that each student accomplish the following objectives:

1. Students will analyze and apply the Roman Catholic approach to revelation as embodied in Scripture and Tradition.
2. They will be able to distinguish among, and synthesize, the core concepts of the specialties of Fundamental, Systematic, Liturgical, Moral, and Spiritual theologies, and be prepared to make pastoral application of each.
3. Students will display personal and spiritual maturity; verifying in their words and behavior that baptism is the source of a ministerial call; promoting evangelization, faith formation and pastoral care with cultural sensitivity.
4. Students will practice the necessary skills (planning, communication, decision –making and conflict resolution) for leadership and team collaboration in contemporary ecclesial structures.
5. They will model the spirit of discipleship of Jesus Christ identified in the New Testament.
6. Students model their service upon the leadership style of Jesus Christ, manifesting core Gospel values of mercy, justice, integrity and compassion.
7. Students will practice balancing ministerial demands with personal and familial commitments.

8. They will verify by their relationship with the Church that the Christian ministerial call comes from the needs of the ecclesial community and is practiced within the diverse cultural contexts of its members.

Admission Requirements

- A bachelor's degree from an accredited institution with any academic major.
- 3.00 - Grade Point Average.
- Nine credits of recent undergraduate Theology - taken no earlier than 1995.
- Completed Graduate School Application.
- Four recommendation letters: one of which must be from a pastor, judicatory director (bishop etc.) or employer who can speak about your aptitude for ministry. One recommendation must be from a spiritual leader who can speak about your life of faith. Submit all recommendation letters to the Graduate Dean's office.

NOTE: Conditional acceptance is initially granted based on evidence of aptitude for graduate ministerial study and ministerial practice. Full acceptance into candidacy for ministry is granted upon satisfactory completion of MAM 676 Theology and Catechesis and MAM 675 Orientation to Study and Ministry. Satisfactory completion is a grade of "B" or better. Assessment in both courses is based on academic competence, demonstrated aptitude for ministry and a ministerial attitude or disposition.

Degree in Ministry

- Master of Arts with a Major in Ministry (p. 122)

Courses

MAM 610. Introduction to the Old Testament. 3 credits.

Introduction to the primary themes and basic concepts of prophetic and wisdom literature. Emphasis on the role and use of Scripture to transform lives and to nourish and challenge parish communities.

MAM 620. Introduction to New Testament. 3 credits.

Introduction to the primary themes and concepts of the Gospels and the Pauline epistles. Emphasis on the role and use of Scripture to transform lives and to nourish and challenge parish communities.

MAM 630. Christology. 3 credits.

Study the mission and purpose of Jesus Christ as understood throughout the tradition of the Church. Familiarity with key concepts of Christian theological anthropology. Emphasis on the application of the life of Jesus Christ to one's individual, communal, and socio-political worlds.

MAM 640. Ecclesiology: Theology of Church and Ministry. 3 credits.

Study of the development of the Church from the New Testament through Vatican II and today. Emphasis on the role of the Holy Spirit, ongoing ecclesial developments, the relation of lay and ordained ministry, and new understandings of church that encompass family, parish and society.

MAM 650. Moral Theology and Decision Making. 3 credits.

Study of the scriptural, theological, rational, and experiential foundations and principles for Catholic moral teaching. Emphasis on Catholic social thought and the application of Catholic moral principles to one's individual, communal, and socio-political worlds.

MAM 660. Worship, Liturgy and Sacrament. 3 credits.

Study of the history and development of the sacramental life of the Church as evidenced in its worship and liturgy. Emphasis on the role, process, and importance of the sacramental life for the health of parish ministry.

MAM 675. Orientation to Study and Ministry. 1 credit.

Introduction to the demands of graduate study and ministry formation: includes opportunities for students to explore the motivations for pursuing ministry study, develop good study and research skills, and integrate graduate work with home and job responsibilities. Course includes an extended personal interview with the program director.

MAM 676. Theology and Catechesis. 3 credits.

A close examination of the processes of Catechesis and Theology, the course aims to develop comprehension of the scope and purpose of these two modes of reflection and witness of the Christian Faith while enabling ministry students to recognize both their interrelationship and differences as disciplines of learning and formation.

MAM 677. Personal Human and Spiritual Development of the Minister. 1 credit.

An opportunity to investigate the stages of psychological and spiritual growth as one develops toward ministry and then functions within ecclesial ministry structures. Self examination and reflection will be centerpieces of the course which will require students to complete and reflect upon a ministerial aptitude inventory.

MAM 678. Introduction to Psychological Issues in Ministry. 1 credit.

Course includes a study of personal and familial issues that demand ministerial care with special attention to family patterns, incarnational spirituality, sexuality and gender in human development. Power roles in society and Church, and problems of addiction, depression and suicide in the minister's culture will also be addressed.

MAM 679. Lay Spiritual Movements. 1 credit.

A study of some of the contemporary movements that are achieving great success in Christian communities: Basic Christian communities such as CLC and Renew, Marriage Encounter, Cursillo, Third Order, Oblate and Associate groups. What do these groups offer the people of the parish, and what do they offer a minister?.

MAM 680. Ministerial Ethics and Leadership Skills. 3 credits.

Study of the principles and practice of ethics in relationship to ministry and ministry roles. Course will also uncover the Character of Christian Leadership and examine group discernment skills as a tool for implementing Christian decision making.

MAM 761. Historical Development of Fundamental Doctrine. 3 credits.

A Study of some of the Fundamental Christian doctrines - including the meaning and function of faith, One Trinitarian God, Christian Anthropology, and Pneumatology - within the historical context of their development and within the complementarity of revelation and reason.

MAM 769. Historical Spiritualities in the Christian Tradition. 1-3 credits.

Study of four of the major spiritual 'voices' within the Christian Tradition: The course will focus on the historical context of their development, the changes that each tradition has embodied, their influence on lay spiritual development and their continued contribution to living a Gospel spirituality in the 21st Century.

MAM 772. Canon Law, Catholic Identity and Ecumenism. 3 credits.

Study of Catholic beliefs, values and traditions including various styles and forms of Catholic life and worship. Emphasis on how to interact and appreciate religious beliefs and values shared by different faith communities.

MAM 780. Christian Prayer and Spirituality. 3 credits.

Study of the major traditions and movements in the history of Christian spirituality. Emphasis on an appreciation of one's call to ministry and Gospel living in all dimensions of life. P: MAM 610, MAM 620, MAM 630, MAM 640, MAM 650, MAM 660.

MAM 792. Internship. 1-4 credits.

Immersion in the context of ministry which allows one to witness to Gospel values, articulate one's call to ministry. Emphasis upon identifying, calling forth, affirming and supporting one's gifts and talents within the parish community and society.

MAM 793. Internship II. 2 credits.

Immersion in the context of ministry which allows one to witness to Gospel values, articulate one's call to ministry. Emphasis upon identifying, calling forth, affirming and supporting one's gifts and talents within the parish community and society.

MAM 795. Directed Independent Study. 1-3 credits. OD

To be arranged.

MAM 799. Synthesis in Lay Ecclesial Ministry. 2 credits.

Understanding and application of key concepts of pastoral ministry including appropriate pastoral strategies and pastoral planning. Emphasis upon framing one's internship experience and the knowledge gleaned from previous coursework in a synthetic manner. The work of this course fulfills the Graduate School requirement of a comprehensive examination project.

Master of Arts with a Major in Ministry

Courses in both the Christian Spirituality (CSP) and Master of Arts (M.A.) in Theology programs that are taught on campus may be taken in fulfillment of MAM requirements for students who are resident or can come to campus for class meetings, as long as the course content is largely interchangeable with the MAM course it is replacing. Permission of the program directors of MAM and either of the other programs is necessary for this substitution to be acceptable.

Since the MAM program does not have "electives" per se, it is necessary that transferred credit from other accredited graduate courses have essentially equivalent content to fulfill MAM requirements. Determination of actual equivalency will be the responsibility of the MAM program director. Students may apply for up to six hours of transfer graduate credit, but must provide the syllabus for the course from which credits are being requested.

M.A., Major in Ministry course requirements (46 credits):

| | | |
|------------------------------------------------------|------------------------------------------------------|----|
| 33 credits of accelerated, on-line Theology courses: | | 33 |
| MAM 610 | Introduction to the Old Testament | |
| MAM 620 | Introduction to New Testament | |
| MAM 630 | Christology | |
| MAM 640 | Ecclesiology: Theology of Church and Ministry | |
| MAM 650 | Moral Theology and Decision Making | |
| MAM 660 | Worship, Liturgy and Sacrament | |
| MAM 676 | Theology and Catechesis | |
| MAM 680 | Ministerial Ethics and Leadership Skills | |
| MAM 761 | Historical Development of Fundamental Doctrine | |
| MAM 769 | Historical Spiritualities in the Christian Tradition | |
| MAM 772 | Canon Law, Catholic Identity and Ecumenism | |
| MAM 780 | Christian Prayer and Spirituality | |
| Professional and Personal Development: | | 7 |
| MAM 675 | Orientation to Study and Ministry | |

| | | |
|---------------|----------------------------------------------------------|----|
| MAM 677 | Personal Human and Spiritual Development of the Minister | |
| MAM 678 | Introduction to Psychological Issues in Ministry | |
| MAM 679 | Lay Spiritual Movements | |
| MAM 792 | Internship | 4 |
| MAM 799 | Synthesis in Lay Ecclesial Ministry | 2 |
| Total Credits | | 46 |

fee of \$50 in the form of a check or money order drawn in U.S. currency and made payable to Creighton University.

- A Bachelor's degree and transcripts for all Bachelors and post-Bachelors coursework. Transcripts must be sent directly from the issuing school and must contain the institution's official seal or stamp. Transcripts not in English must be accompanied by certified English translations.
 - A 3.0 GPA or higher is required for unconditional acceptance into the program. Students not meeting this requirement may be accepted provisionally.

Negotiation and Conflict Resolution

Program Director: Jacqueline N. Font-Guzman, Ph.D.

Program Office: The Werner Institute, School of Law, Room 223E

Contact Information: wernerinfo@creighton.edu or 402-280-3883

The Werner Institute Mission

The Masters in Negotiation and Conflict Resolution is designed to prepare students to assume leadership positions by enhancing their understanding of the field of conflict studies. The Werner Institute teaches individuals how to engage conflict and resolve disputes effectively, efficiently, and humanely. The mission is consistent with the Jesuit Catholic tradition of social justice, responsible leadership, and professional distinction. To advance its goals, the Werner Institute assists organizations with the design of conflict management systems, offers professional development programs, workshops, custom designed trainings, graduate certification programs, and provides an interdisciplinary program leading to a master's degree in negotiation and conflict resolution (offered in two flexible modalities including a hybrid campus-based track and a distance oriented online track with two intensive weeklong campus visits).

The Werner Institute Learning Goals

Integrating applied and scholarly approaches, the program goals are to provide students with the ability to:

1. **Communicate** effectively;
2. Define and apply the **theoretical frameworks** in conflict engagement and different processes (e.g. negotiation, facilitation, mediation, civic engagement);
3. Demonstrate **core competencies** and **practical skills** for effectively understanding and engaging in conflict situations in a productive and constructive manner;
4. Demonstrate an enhanced capacity for engaging diverse stakeholders in **creative problem solving** and engage in critical thinking;
5. Practice **reflective professional development** in alignment with **Ignatian values**;
6. Effectively apply **technology** to conflict engagement processes;
7. **Collaborate** effectively with other individuals and design conflict engagement processes across **diverse** groups of race, ethnicity, culture, gender, religion and sexual orientation.

Admission Requirements

Admission requirements are:

- A completed electronic application form (<http://www.creighton.edu/gradschool/admissioninformation/onlineapplication>).
- **Application fee:** Each applicant must remit, along with the application form, a non-refundable, non-waiveable application

- A CV/resume.
- A student's own mission statement, describing his or her long-term goals and why this program seems to them to be the right step to take down the road of achieving them (500-750 words).
 - Based on your CV/resume and your other application material, we should have a pretty good picture of where you have been and what you've done. Setting that aside, focus on the future: What goals have you set for yourself, looking ahead down your envisioned path? Why is this program attractive to you, in terms of meeting those goals?
 - [Note: Focus on the future. A good mission statement will not be a rehash of your CV nor a discussion of how you intend to invest time and effort in your studies; it will look to the future beyond your studies and incorporate your studies as a building block in that future.]
- A short writing sample in response to one of the provided exercises listed on the Admissions Writing Exercise (https://law.creighton.edu/sites/law.creighton.edu/files/media/NCR_Admissions_Writing_Exercise.pdf) page (1000 words).
- Two letters of recommendation: The recommendation forms should be completed by persons, other than family members or friends, who are capable of assessing your performance in an academic or work setting. Applicants may submit additional recommendations if they so wish.
- An interview with a faculty member.
- Test of English as Foreign Language (TOEFL): All international applicants from countries in which English is not the primary language must demonstrate proficiency in English language by submitting a minimum TOEFL score of 90 iBT (213 CBT/550 PBT). Native English speakers, or applicants who have received their baccalaureate or higher degree from an accredited institution in which English is the primary language of instruction, may request exemption from this requirement.
 - Certification of Available Finances. All international applicants must submit a Certification of Available Finances (<http://www.creighton.edu/IntlPrograms/forms.htm>) form in order for an I-20 to be issued.

Notes:

- A GRE is not required, but it may be requested or submitted in order to best help us assess your capacity for success in the program.
- Although some factors are more important than others, all factors are considered; low ratings on some may be balanced by high ratings on others.
- Only those applicants who meet the established standards will be recommended for admission.

Degree Programs

The M.S. in Negotiation and Conflict Resolution master's degree requires completion of at least 32 credit hours in coursework including theoretical foundations of conflict resolution, practical skills/processes, and electives that provide contextual application. Students must also complete a capstone course of independent, experiential work involving a practicum or a major piece of research. To enhance the experience within this degree program, students will have the opportunity to participate in Werner Institute conferences, symposia, and other programs. Students are also encouraged to participate in external networking activities such as joining relevant professional associations and attending workshops and conferences. The master's program can be completed in 1 to 2 years with the flexibility of on-campus and online courses. On-campus students may complete an additional 12 credit hour concentration in Student Affairs (p. 126).

- Master of Science in Negotiation and Conflict Resolution - Campus Based (p. 126)
- Master of Science in Negotiation and Conflict Resolution - Online Program (p. 127)

We also offer opportunities to focus your area of study with dual degrees in:

- Leadership (p. 127)
- Law (p. 128)
- Business Administration (p. 59)
- Master of Science in Nursing (Clinical Systems Administration) (<http://catalog.creighton.edu/graduate/graduate-programs-courses/nursing/nursing-msn/msn-msncr-dual-degree>)
- Master of Science in Nursing (Clinical Nurse Leader) (<http://catalog.creighton.edu/graduate/graduate-programs-courses/nursing/nursing-msn/msn-msncr-dual-degree/#msncnl>)
- Doctor of Nursing Practice (p. 128)

The programmatic learning goals for the MS program are embedded within the certificate curriculum as well. However, the assessment of these programmatic goals focuses on an introduction to the conceptual frameworks, as opposed to the in-depth mastery expected following completion of the MS-NCR program. The certificate curriculum aims to establish a foundation for further development of the skills and concepts relevant to the student's capacity to:

- Communicate effectively
- Define and apply the theoretical frameworks in conflict engagement and different processes (e.g. negotiation, facilitation, mediation, civic engagement)
- Demonstrate core competencies and practical skills for effectively understanding and engaging in conflict situations in a productive and constructive manner
- Demonstrate an enhanced capacity for engaging diverse stakeholders in creative problem solving and engage in critical thinking
- Practice reflective professional development in alignment with Ignatian values
- Effectively apply technology to conflict engagement processes
- Collaborate effectively with other individuals and design conflict engagement processes across diverse groups of race, ethnicity, culture, gender, religion and sexual orientation

Certificates

- Negotiation and Conflict Resolution - Campus Based (p. 128)
- Negotiation and Conflict Resolution - Online (p. 129)

Courses

NCR 612. Staying with Conflict: Working with Ongoing Disputes. 2 credits.

Conflict specialists often think of conflict as a linear process requiring effective resolution. But the most important conflicts in people's lives do not end – they endure in one form or another, sometimes for many years. This presents both a major challenge and a major opportunity for conflict interveners. In this course, we will consider what causes conflicts to endure, the role of short term interventions in long term conflicts and the ways in which conflict interveners can help find ways to turn a destructive conflict into a more constructive ongoing interaction.

NCR 615. Negotiation. 3 credits.

The Negotiation course aims at helping students become acquainted with and learn how to manage the challenges involved with shifting from the common distributive bargaining to integrative style of negotiation, which aspires for "win-win" resolutions. The course will focus on both the theoretical and practical levels: it will introduce state of the art theories of negotiation alongside experiential learning which would allow students to experience and reflect on the various emphases in practice, while reflecting on their own strengths and weaknesses as negotiators.

NCR 616. Thesis Project. 3 credits.

This course is designed for students pursuing the thesis option. The thesis can be structured as an extended literature review of an approved subject, independent research, or a combination thereof. The thesis must be approved by the department, under the direction of a faculty member, and defended as partial fulfillment of requirements for the Master's Degree. This course is graded Satisfactory/Unsatisfactory.

NCR 620. Introduction to Negotiation and Dispute Resolution. 3 credits.

The online modules present a broad introduction to the field and provide a strong foundation in a number of key concepts, including the three major roles of the conflict specialist, theories of communication and conflict, approaches to negotiation and their limitations, private versus court-centered approaches to resolving conflict, and psychological biases and barriers in addressing conflict.

NCR 621. Negotiation and Dispute Resolution Residency. 3 credits.

This residential experience is an intense program building on the online module with presentations, skills development, and case simulations that include group exercises, scenarios and role playing, and demonstrations. P: NCR 620.

NCR 622. Conflict Engagement and Leadership. 3 credits.

This course continues your comprehensive immersion into the field of negotiation and conflict resolution, with an emphasis on the evolving roles and expectations of the 21st century conflict resolution practitioner. Within the framework of our rapidly changing and integrated world, students will explore new roles for conflict specialists with an eye towards preparing themselves to engage in a wide field of practice. Going beyond an understanding of ADR's strengths and weaknesses, we will apply a critical lens to the field, identifying a right-here, right-now crossroads in its development. At this stage, we will begin to discuss all the opportunities for development that this crossroads opens up for the informed practitioner. We will explore a wide range of roles the conflict specialist can fulfill, ranging far beyond the traditionally-touted mediator or arbitrator roles. This exploration will set the stage for your future development as a conflict specialist with a diverse toolbox and a wide view of conflict practice. We start this development right away, with classes focusing on how our skills can be used to transform disputes not just the interpersonal and intergroup level but a societal level as well. We will explore some of the roads less travelled by ADR thus far, which we believe lead wide open spaces for ADR innovation: leadership, civic engagement, and network design.

NCR 623. Online Dispute Resolution. 2 credits.

This course examines what has been described as "the hottest area" in conflict resolution. It addresses the emerging practice of conflict resolution in cyberspace and provides hands-on training in the use of emerging technologies to supplement traditional dispute resolution approaches and the use of Internet media to handle Internet-based disputes. No technology background is required.

NCR 624. Dynamics of Conflict. 3 credits.

This course addresses the nature, meaning, and dynamics of conflict and the challenges of communication in interpersonal, inter-group, and intra-group settings. Drawing from a variety of disciplines, including psychology, sociology, and communications, students will examine the thinking process that drives the practice of successful conflict resolution. Among specific concepts examined are the relationships among power, culture, and conflict; the sources of conflict; the nature of resolution; and what constitutes a genuine resolution of a conflict. Features and tools of effective communication in conflict, including listening, constructive framing, and the use of narratives, are considered.

NCR 625. Systems and Consulting for Conflict Specialists. 2 credits.

This course examines how an understanding of systems can contribute to the effective management of conflict. It also focuses on the ways that stakeholders can go beyond specific disputes to take a broader look at the full range of organizational conflicts to determine how best to prevent or address the types of organization conflicts experiences over time. There is particular emphasis on different organizational contexts (e.g., private sector versus public sector, unionized versus non-unionized, as well as institutions such as universities and hospitals) and the role conflict specialists can play as consultants to organizations.

NCR 626. Culture, Gender and Power Differences in Conflict. 2 credits.

This course takes an interdisciplinary look at issues related to the role of culture, gender, and other factors in conflict analysis and resolution. Students will receive an overview of relevant theories and research from social psychology, anthropology, sociology, and other disciplines. Topics such as the meaning of culture and conflict from a cultural perspective, cross-cultural communication, stereotypes, and differences in attitudes toward racism, sexism, and ethnicity will be discussed.

NCR 627. Facilitation and Group Processes. 2 credits.

In this course, students are introduced to group process theories and the skills needed to facilitate groups of all sizes in a variety of settings. Characteristics of collaborative decision-making processes, participatory dialogues, effective group formation and development, functions of a group facilitator, and the value of diversity are identified, defined, and explored. Throughout this course there is an emphasis on applying collaborative conflict management theory, strategies and processes. This is done by encouraging students to share their experiences of group process and development with one another, and by creating an experiential online "living laboratory" learning environment.

NCR 628. Mediation Residency. 4 credits.

This course provides intensive in-person training in mediation skills and techniques to resolve a wide variety of disputes, such as in health care, commercial, family, public, workplace, and international settings. The course will include the discussion of several mediation models and their underlying theoretical premises, principles and skills, as well as current research involving mediation. Most of the work will be intensive skills development through role playing, case examples, demonstrations, simulations, and small group sessions.

NCR 629. Organizational Collaboration and Conflict Management. 3 credits.

In today's competitive environment, organizations increasingly must cope with complexities, uncertainties, and conflict. The ability to build collaborative teams and to manage and learn from conflict effectively is critical. Students will learn techniques and approaches for organizational team building, conflict management, and process facilitation and consulting.

NCR 630. Health Care Collaboration and Conflict Resolution. 3 credits.

Conflicts in health care can involve poor clinical outcomes that may result in lawsuits, licensure disputes, credentialing and employment claims, and a lack of trust in the system as a whole. There is a growing need for new approaches that address system complexity, consumer needs, clinician autonomy, and quality of care. With a focus on practical application of process tools and systems design strategies, students will learn effective techniques that can be integrated into clinical settings and for managing legal and ethical issues that arise.

NCR 631. International Negotiation and Conflict Resolution. 3 credits.

International conflicts can involve states, corporations, peoples, and political factions. With applications from a variety of disciplinary perspectives, including international law, business, anthropology, and political science, students will learn approaches to conflict in the context of globalization with a focus on the implications of our growing interconnectedness as both a source and solution for disputes.

NCR 632. Collaborative Practice and Conflict Resolution in Education. 3 credits.

Diversity, change, and growth are all major issues in today's school, college, and university settings. In areas such as special needs, student services, and campus life, conflict is a growing part of the landscape. Students will learn the skill sets necessary to engage conflict in a variety of educational settings and how to collaborate with colleagues, students, parents, and community members.

NCR 633. Applied Interdisciplinary Research: A Narrative Approach. 2 credits.

This course will focus on developing an individualized and practical research foundation. Students will work one-on-one with the professor to produce an oral history/narrative interview. Students will have the opportunity to interview a person who has experienced a conflict in their life or a historical conflictive event following oral history interviewing techniques. It is a great way to practice many of the skills in the conflict resolution field that are applicable in many professional contexts such as, eliciting stories, active listening and self-awareness. Students are also encouraged to share their thoughts with their peer researchers within the class discussion forums and the course's private Facebook page.

NCR 652. The Application of Coaching within Conflict Resolution. 2 credits.

Coaching focuses on empowering people to discover their own answers, to articulate clear visions, and pursue their goals with clarity and focus. Building on our inherent strengths a coach can empower people toward positive change. This course will provide a preliminary understanding of key coaching principles and their role in conflict resolution. We will follow the standards of International Coach Federation. We will also explore specific principles of coaching within various models Appreciative Inquiry, Positive Psychology, and Wellness.

NCR 670. Foundations and Functions of College Student Affairs. 3 credits.

This course offers an introductory examination of the history and philosophy of college student affairs. The contextual dimensions, knowledge and skills, and assessment/evaluation appropriate to the college student affairs settings will be introduced.

NCR 671. Internship in College Student Affairs I. 3 credits.

Supervised on-site experience in counseling, program development, and implementation for clients and the student body at large. Experience in the full range of counselor and student affairs duties, responsibilities and activities in their internal college setting.

NCR 672. Internship in College Student Affairs II. 3 credits.

Supervised on-site experience in counseling, program development, and implementation for clients and the student body at large. Experience in the full range of counselor and student affairs duties, responsibilities and activities in their internal college setting.

NCR 690. Conflict and Conflict Resolution in Families. 2 credits.

This course addresses the dynamics of family conflict and interventions in family conflict. We will discuss conflict around divorce, parent-adolescent issues, care of the elderly, child welfare, adoption, and family violence. We will consider a variety of responses to these conflicts including mediation, family group conferencing, divorce coaches, and arbitration.

NCR 694. Human Rights, Poverty, Medicine, and Health: An International Perspective. 2 credits.

This course introduces students to concepts addressing human rights and its theory and practice. The main focus will be the relationship between health and human rights. Students will explore human rights issues at the domestic and international level. Topics such as, health impacts resulting from violations of human rights; bioethics and human rights; the role of health professionals in torture, mind control, human radiation; poverty, medicine and health; and cultural perspectives of human rights will be discussed.

NCR 700. Engaging in Bioethical Conflict. 2 credits.

This course will introduce students to strategies for engaging in emerging bioethical issues that lead to conflict among families, health care providers and organizational leaders. Included is an overview of the bioethics consultation process, the role of bioethics mediators, and culturally appropriate approaches for addressing end-of-life disputes.

NCR 720. Seminar: Special Topics in Conflict Resolution. 1-3 credits.

This course explores selected problems and topics in the conflict resolution field. Course content changes each semester as current and controversial issues emerge in the field.

NCR 733. Practicum. 3-4 credits.

In consultation with the practicum advisor, students select a practical field experience to further develop and apply their skills in a professional or organizational setting of their choice. Working with an on-site instructor/mentor in the student's community, students will demonstrate their ability to apply theory to practice and analyze situations using knowledge gained from previous coursework.

NCR 733E. Practicum Extension. 1 credit.**NCR 795. Directed Independent Study. 1-3 credits.**

Students may arrange with an instructor to engage in a series of readings related to a specific topic and/or conduct research in an area approved by the department and under the direction of a faculty member.

Master of Science in Negotiation and Conflict Resolution - Campus Based Degree Requirements

Foundational

| | | |
|---------|---------------------------------------------------|---|
| LAW 310 | Alternative Dispute Resolution | 2 |
| NCR 624 | Dynamics of Conflict | 3 |
| NCR 625 | Systems and Consulting for Conflict Specialists | 2 |
| NCR 626 | Culture, Gender and Power Differences in Conflict | 2 |
| NCR 622 | Conflict Engagement and Leadership | 3 |

Skills and Processes

| | | |
|---------|----------------------------------|---|
| NCR 623 | Online Dispute Resolution | 2 |
| LAW 404 | Mediation Process | 3 |
| NCR 627 | Facilitation and Group Processes | 2 |
| NCR 615 | Negotiation | 3 |

Electives

Select seven credits from the following (or other courses with permission of the program director):

| | | |
|-----------------------|-------------------------------------------------|--|
| INR 683 | Seminar on Ethnicity, Nationalism, and Conflict | |
| INR 709 | Seminar in International Conflict | |
| LAW 306 or NCR 622 | Conflict Engagement and Leadership | |
| LAW 315 | Arbitration | |
| LAW 350 | Elder Law | |
| LAW 357 | Marriage and Divorce | |
| LAW 373 | International Business Transactions | |
| LAW 376 | Health Care Organizations | |
| LAW 381 | Labor Law | |
| LAW 423 | International Law | |
| MLS 673 | Art and Society in the Renaissance | |
| MLS 683 | Ethnic Conflict, Nationalism, and Democracy | |

| | | |
|--------------------------------------|---------------------------------------------------------------------------|-------|
| NCR 612 | Staying with Conflict: Working with Ongoing Disputes | |
| NCR 629 | Organizational Collaboration and Conflict Management | |
| NCR 630 | Health Care Collaboration and Conflict Resolution | |
| NCR 631 | International Negotiation and Conflict Resolution | |
| NCR 632 | Collaborative Practice and Conflict Resolution in Education | |
| NCR 633 | Applied Interdisciplinary Research: A Narrative Approach | |
| NCR 652 | The Application of Coaching within Conflict Resolution | |
| NCR 690 | Conflict and Conflict Resolution in Families | |
| NCR 694 | Human Rights, Poverty, Medicine, and Health: An International Perspective | |
| NCR 700 | Engaging in Bioethical Conflict | |
| NCR 720 | Seminar: Special Topics in Conflict Resolution | |
| NCR 795 | Directed Independent Study | |
| Experiential Independent Work | | |
| NCR 616 | Thesis Project | 3 |
| NCR 733 | Practicum | 3-4 |
| Total Credits | | 35-36 |

Optional Additional Concentration in Student Affairs

| | | |
|---------------|------------------------------------------------------|----|
| NCR (TBD) | Student Development Theory | 3 |
| NCR 670 | Foundations and Functions of College Student Affairs | 3 |
| NCR 671 | Internship in College Student Affairs I | 3 |
| NCR 672 | Internship in College Student Affairs II | 3 |
| Total Credits | | 12 |

Master of Science in Negotiation and Conflict Resolution - Online Program Degree Requirements

Core Courses

| | | |
|---------|----------------------------------------------------|---|
| NCR 620 | Introduction to Negotiation and Dispute Resolution | 3 |
| NCR 622 | Conflict Engagement and Leadership | 3 |
| NCR 623 | Online Dispute Resolution | 2 |
| NCR 624 | Dynamics of Conflict | 3 |
| NCR 625 | Systems and Consulting for Conflict Specialists | 2 |
| NCR 626 | Culture, Gender and Power Differences in Conflict | 2 |
| NCR 627 | Facilitation and Group Processes | 2 |

Residential Courses

| | | |
|---------|----------------------------------------------|---|
| NCR 621 | Negotiation and Dispute Resolution Residency | 3 |
| NCR 628 | Mediation Residency | 4 |

Areas of Specialization

Select one area of specialization from the list below 5

Practicum

| | | |
|---------------|-----------|-------|
| NCR 733 | Practicum | 3-4 |
| Total Credits | | 32-33 |

Areas of Specialization

In the specialization components students will engage in advanced work in negotiation, mediation, and facilitation focused on applying skills in the specific context of the students' chosen area of concentration. Particular attention will be paid to what is special about the substantive area and how concepts learned to date apply in specific professional settings. Through discussion, case study, independent research project, literature review and personal interviews, participants have the opportunity to integrate theories of chaos and complexity science with techniques for improving communication, collaboration, and inter-professional teamwork within the context of actual scenarios.

Organizational Collaborative Practice and Conflict Resolution

| | | |
|---------|----------------------------------------------------------|---|
| NCR 629 | Organizational Collaboration and Conflict Management | 3 |
| NCR 633 | Applied Interdisciplinary Research: A Narrative Approach | 2 |

Collaboration and Conflict Resolution in Health Care

| | | |
|---------|----------------------------------------------------------|---|
| NCR 630 | Health Care Collaboration and Conflict Resolution | 3 |
| NCR 633 | Applied Interdisciplinary Research: A Narrative Approach | 2 |

International Negotiations and Conflict Resolution

| | | |
|---------|----------------------------------------------------------|---|
| NCR 631 | International Negotiation and Conflict Resolution | 3 |
| NCR 633 | Applied Interdisciplinary Research: A Narrative Approach | 2 |

Collaborative Practice and Conflict Resolution in Education

| | | |
|---------|-------------------------------------------------------------|---|
| NCR 632 | Collaborative Practice and Conflict Resolution in Education | 3 |
| NCR 633 | Applied Interdisciplinary Research: A Narrative Approach | 2 |

M.S. in Organizational Leadership/ M.S. Negotiation and Conflict Resolution Dual Degree Program

Dual Degree: Master of Science in Negotiation and Conflict Resolution and Master of Science in Organizational Leadership

Students wishing to obtain the M.S. in Organizational Leadership/M.S. in Negotiation and Conflict Resolution degree will complete 47 credits across both programs. The 36-credit M.S. in Organizational Leadership can be completed by utilizing 9 credits of NCR courses as electives in the program. The 32-credit M.S. in Negotiation and Conflict Resolution will be completed by replacing 9 credits with MSL courses. The completion

of one 3-credit practicum will accommodate the capstone for both programs.

The program can be completed within 2-3 years, **online, on campus, or both** depending on availability.

NCR Requirements

| | | |
|---------|----------------------------------------------------------|---|
| NCR 620 | Introduction to Negotiation and Dispute Resolution | 3 |
| NCR 623 | Online Dispute Resolution | 2 |
| NCR 624 | Dynamics of Conflict | 3 |
| NCR 625 | Systems and Consulting for Conflict Specialists | 2 |
| NCR 627 | Facilitation and Group Processes | 2 |
| NCR 628 | Mediation Residency | 4 |
| NCR 633 | Applied Interdisciplinary Research: A Narrative Approach | 2 |
| NCR 626 | Culture, Gender and Power Differences in Conflict | 2 |

MSL Requirements

| | | |
|------------------------------|-----------------------------------------------|---|
| GRD 601 | Writing for Graduate Students | 1 |
| MSL 600 | Leadership Theory, Application and Reflection | 2 |
| MSL 601 | Strategic Orienteering and Execution Tactics | 3 |
| MSL 603 | Innovation and Adaptive Change | 3 |
| MSL 604 | Approaches to Human Capital | 3 |
| MSL 602 | Communicating and Leading Across Cultures | 3 |
| MSL Electives - Select three | | 9 |

Practicum

| | | |
|---------|-----------|---|
| NCR 733 | Practicum | 3 |
|---------|-----------|---|

M.S. in Negotiation and Conflict Resolution/J.D. Dual Degree Program

Juris Doctor and Master of Science in Negotiation and Conflict Resolution Dual Degree Program

| Code | Title | Credit |
|---------------------------------------------------------------------------------------------------------|---------------------------------------------------|--------|
| NCR Foundational Courses | | |
| LAW 310 | Alternative Dispute Resolution | 2 |
| NCR 624 | Dynamics of Conflict | 3 |
| NCR 625 | Systems and Consulting for Conflict Specialists | 2 |
| NCR 622 | Conflict Engagement and Leadership | 3 |
| NCR 626 | Culture, Gender and Power Differences in Conflict | 2 |
| NCR Skills and Processes Courses | | |
| LAW 410 | Negotiation | 3 |
| or NCR 615 | Negotiation | |
| NCR 627 | Facilitation and Group Processes | 2 |
| LAW 404 | Mediation Process | 3 |
| NCR 623 | Online Dispute Resolution | 2 |
| NCR Electives | | |
| Select 7 credits of elective courses. Four of the seven electives may come from approved LAW electives. | | 7 |
| NCR Capstone | | |
| NCR 733 | Practicum | 3 |
| J.D. First-year Required Courses | | 32 |
| J.D. Second-year Required Courses | | 22 |

J.D. Electives 18

35 elective credits (including the professional skills requirement) are normally required for the J.D. Eight credits of LAW courses (310, 404, and 410 or 615) are in the NCR Foundational section. Up to 9 credits may be fulfilled by NCR courses.

Total Credits 104

An academic residency requirement of 6 semesters of full-time enrollment (or its part-time equivalent) must be met. For this purpose, full-time enrollment requires carrying at least 10 hours of J.D. coursework.

Many of the masters-level courses are available in intensive one- or two-week schedule formats during evenings, spring and fall breaks and summers.

DNP/MS (NCR) Dual Degree

Students wishing to obtain the Doctor of Nursing Practice (DNP)/Master of Science in Negotiation and Conflict Resolution (MS-NCR) dual degree will complete the two programs by integrating curriculum in accordance to the DNP track they are completing.

NCR requirements for the dual degree in DNP/MS-NCR (32 credits):

| | | |
|---------|----------------------------------------------------|-----|
| NCR 620 | Introduction to Negotiation and Dispute Resolution | 3 |
| NCR 621 | Negotiation and Dispute Resolution Residency | 3 |
| NCR 622 | Conflict Engagement and Leadership | 3 |
| NCR 624 | Dynamics of Conflict | 3 |
| NCR 625 | Systems and Consulting for Conflict Specialists | 2 |
| NCR 626 | Culture, Gender and Power Differences in Conflict | 2 |
| NCR 627 | Facilitation and Group Processes | 2 |
| NCR 630 | Health Care Collaboration and Conflict Resolution | 3 |
| NCR 733 | Practicum | 3-4 |
| NUR 685 | Exploring Evidence for Improving Outcomes | 3 |
| NUR 704 | Health Care Policy and Law | 2 |
| MHE 607 | Practical Ethics in Health Care Settings | 3 |

Graduate Certificate in Negotiation and Conflict Resolution - Campus Based

The following courses are required for the Graduate Certificate for a total of 16 credits.

| | | |
|---------------|-------------------------------------------------|----|
| LAW 310 | Alternative Dispute Resolution | 2 |
| LAW 404 | Mediation Process | 3 |
| LAW 410 | Negotiation | 3 |
| NCR 624 | Dynamics of Conflict | 3 |
| NCR 622 | Conflict Engagement and Leadership | 3 |
| NCR 625 | Systems and Consulting for Conflict Specialists | 2 |
| Total Credits | | 16 |

Graduate Certificate in Negotiation and Conflict Resolution - Online

The online Negotiation and Dispute Resolution Graduate Certificate requires 16 credit hours of course work and including one five-day residency at the Creighton campus.

| | | |
|---------------|----------------------------------------------------|----|
| NCR 620 | Introduction to Negotiation and Dispute Resolution | 3 |
| NCR 621 | Negotiation and Dispute Resolution Residency | 3 |
| NCR 622 | Conflict Engagement and Leadership | 3 |
| NCR 623 | Online Dispute Resolution | 2 |
| NCR 624 | Dynamics of Conflict | 3 |
| NCR 625 | Systems and Consulting for Conflict Specialists | 2 |
| Total Credits | | 16 |

Nursing

<http://www.creighton.edu/nursing/>

Dean: Dr. Catherine Toderò, PhD, RN, FAAN
Associate Dean for Academic and Clinical Affairs: Mary Kunes-Connell, PhD, RN
Doctoral Program Chair: Mary Tracy, PhD, RN
Master's Program Chair: Cindy Costanzo, PhD, RN

Graduate Study in Nursing

Programs of graduate study in nursing are offered leading to the degree of Master of Science in Nursing (MSN) or to the degree of Doctor of Nursing Practice (DNP).

Emphasis is placed on preparing graduates with advanced role knowledge and practice competencies to meet the demands of a complex and dynamic health care environment. Graduate study in nursing integrates the best evidence from nursing and other disciplines; natural, social and political sciences, communication sciences and ethics. Creighton University's fully accredited graduate nursing programs assist the professional nurse to respond to challenges in nursing practice and in the health care system and assume ethical leadership in meeting quality, cost-effective outcomes by providing and managing innovative services to clients. Intensive study focuses on health promotion, prevention, restoration, maintenance, care management, and achievement of optimum outcomes for individuals, families, communities, populations, and systems across the continuum of care. The program affords opportunities for interprofessional collaboration to address key aspects of resource utilization, outcome improvements and ethical decision making in the health care delivery system.

The Master's and Doctoral degree in Nursing programs are accredited by the (CCNE) (<http://www.aacn.nche.edu/ccne-accreditation>).

Role options available to MSN students are:

- Clinical Nurse Leader - *prepares nurses for an advanced generalist role*
- Clinical Systems Administration - *prepares nurses to assume ethical leadership roles in health care systems confronted by financial, political, and social changes*

Role options currently available to DNP students are:

- Clinical Systems Administration
- Adult-Gerontology Primary Care Nurse Practitioner
- Adult-Gerontology Acute Care Nurse Practitioner

- Pediatric Acute Care Nurse Practitioner
- Family Nurse Practitioner
- Neonatal Nurse Practitioner
- Psychiatric/Mental Health Nurse Practitioner

Additional courses in cardiovascular and oncology specialty areas are available for students enrolled in the nurse practitioner role option. Courses in curriculum, instruction, and educational evaluation are available to all students regardless of their chosen option.

Degrees in Nursing

- Doctor of Nursing Practice, DNP (p. 138)
- Master of Science in Nursing, MSN (p. 143)

Post-Graduate Certificate Program:

The Creighton University College of Nursing offers a Post-Graduate Certificate for nurses who have previously earned a graduate nursing degree and who seek to become eligible for national certification as a nurse practitioner. Admission to this curriculum option requires that the prospective student holds a minimum of a master's degree in nursing from an institution of higher learning that has been accredited by a nursing body (e.g., CCNE, ACEN) and clinical practice in a direct care setting equal to at least 2000 hours of employment within the previous 3 years. The requirements for admission and the application process are the same as for degree seeking graduate students.

Post-Graduate Certificate options currently available to students include:

- Family Nurse Practitioner (p. 145)
- Neonatal Nurse Practitioner (p. 146)
- Pediatric Acute Care Nurse Practitioner (p. 146)
- Adult-Gerontology Acute Care Nurse Practitioner (p. 144)
- Clinical Nurse Leader (p. 145)

Courses

NUR 607. Pharmacology Across the Lifespan for Advanced Nursing Practice. 3 credits. FA, SP

In NUR 607, students and faculty examine the pharmacological effects and clinical uses of specific drug groups related to the care and management of neonatal, pediatric, adult and older adult patients in primary and acute care settings. Pharmacological principles, mechanisms of action, associated drug interactions, incompatibilities, side effects, contraindications, and patient education aspects of drug therapy are discussed. Problems inherent in drug therapy of specific patient populations, such as ethnic groups, neonates, children, pregnant or lactating women, and older adults, are emphasized. The following elements are integrated into the course: Ignatian values, health states, care management, critical thinking, professional communication, evidence-based practice, scientific integrity and ethical decision-making, cultural competence, genetics/genomics, age and development, awareness of social and professional issues, and personal and professional development. CO: Admission to the MSN/DNP program or permission of instructor.

NUR 615. Advanced Neonatal Assessment. 2 credits. SP

NUR 615 incorporates knowledge of neonatal physiology and pathophysiology to expand the assessment skills of advanced practice nursing students. The course includes perinatal history taking, physical assessment and examination techniques, gestational age assessment, APGAR scoring, developmental and behavioral assessment, and cultural/social family evaluation. P: 4000 hours of direct patient care experience; NUR 607 and NUR 650; CO: NUR 616.

NUR 616. Practicum I: Neonatal Assessment. 1 credit. SP

NUR 616 is a preceptored practicum applying knowledge of neonatal physiology and pathophysiology to expand the assessment skills of advanced practice nursing students. A preceptored practicum experience (75 hours: 35 direct clinical hours/40 indirect clinical hour) performing physical, gestational, behavioral, and developmental assessments and family/social/cultural assessments of normal and high risk neonates. CO: NUR 615.

NUR 618. Population-Based Health Care for Advanced Practice Nursing. 3 credits.

In NUR 618, primary care nurse practitioner students will extend their practice to incorporate the principles of population-based delivery of health care. This approach to health care is fundamentally based on a partnership between primary care providers and communities and the ethic of service. Population-based health care provides accessible, coordinated, continuous-over-time, comprehensive, and accountable services to a population. Students are provided opportunities to bridge and unite clinical skills and public health and to apply knowledge of epidemiology, health assessment, health promotion, cultural competence and interprofessional care to practice.

NUR 621. Practicum I: Care of the Well Child. 1 credit. SP

NUR 621 is a preceptor-supervised practice course for nurse leader and clinical nurse practitioner students in pediatrics. Building on the knowledge and skills learned in their baccalaureate programs of study and in the courses NUR 646 and NUR 694, students in this course focus on developing advanced competencies in the areas of history and physical assessment and diagnostic reasoning in the care of the well child. This practicum requires 75 direct clinical hours. CO: NUR 694.

NUR 631. Principles Of Learning And Instruction. 3 credits. FA

NUR 631 studies the processes, philosophies and supporting theories for designing curriculum and instruction. Includes a one credit practicum (60 contact hours) project in which this knowledge will be applied in the design and critique of a unit of instruction for nursing or health education.

NUR 633. General Neonatal Management. 2 credits. SU

NUR 633 provides the student with knowledge of general management principles in the newborn nursery, convalescent nursery and upon discharge from the NICU. Course content includes nutrition, pain management, thermoregulation, resuscitation, transitional care, discharge planning, developmental follow-up, the grief process, and general infant care to age 2 years. P: NUR 615 and NUR 687; P or CO: NUR 685; CO: NUR 639 or NUR 726.

NUR 635. Educational Evaluation. 3 credits. SP

NUR 635 emphasizes systematic educational evaluation and its application to professional nursing education and client education programs. Topics of study include evaluation as a disciplined inquiry, frameworks for planning evaluations, the change process, norm-referenced vs. criterion-referenced measurement, reporting results, and cost-benefit analysis. P: NUR 631; P or CO: Clinical Practicum Courses.

NUR 638. Practicum in Community-Based Teaching-Learning. 3 credits. SU

Practicum experience in teaching and evaluating the performance of undergraduate students in community-based classroom and clinical experiences, under the direction of an experienced faculty member. P: NUR 631, 635.

NUR 639. Practicum II: Neonatal Nurse Practitioner. 1 credit.

NUR 639 is a preceptor-supervised practicum course designed to begin development of the Neonatal Nurse Practitioner (NNP) role by providing care to infants in the delivery room, transition nursery, intermediate care nursery, and diagnostic procedures in the intensive care nursery. The student applies knowledge of prenatal evaluation; neonatal assessment; emergency assessment, diagnosis, and intervention; radiological evaluation; laboratory interpretation; and diagnostic reasoning to the care of normal and high risk neonates in the NICU including the areas of nutrition, pain management, and discharge planning. P: NUR 616, NUR 751; CO: NUR 633.

NUR 643. Management of High Risk Neonate I. 4 credits. FA

NUR 643 provides the student with didactic content in common high risk maternal/fetal conditions, neonatal cardiovascular, pulmonary, gastrointestinal, hematological, neurological, dermatological and infectious disorders. Content includes the management of the more common high risk conditions. P: NUR 633; CO: NUR 644 or NUR 728; P or CO: NUR 686 and NUR 692.

NUR 644. Practicum III: Neonatal Nurse Practitioner. 2 credits. FA

NUR 644 is a preceptor-supervised course designed to continue the development, the neonatal nurse practitioner by focusing on providing care to a group of stable infants in a Level III NICU. The experience provides the student with exposure to the more common high risk maternal/fetal conditions, neonatal cardiovascular, pulmonary, gastrointestinal, hematological, neurological, dermatological, genetic and infectious disorders as well as palliative care, development care and bereavement issues. Prior to enrollment in this course students, in conjunction with their advisors, must secure approved preceptors. This practicum requires 150 direct clinical hours. P: NUR 639; CO: NUR 643.

NUR 650. Advanced Pathophysiology Across the Lifespan. 3 credits. FA

NUR 650 is designed to provide students with an understanding of the relationship between normal physiologic functioning and pathophysiologic phenomena and clinical manifestations of human responses to actual or potential health alterations across the lifespan, from neonate through the older adult. This base serves as one of the primary components for clinical assessment, decision-making, and care management. The following elements are integrated into the course: health states, critical thinking, professional communication, evidence-based practice, scientific integrity and ethical decision-making, genetics/genomics, and age and development.

NUR 664. Well Child Care Management. 1 credit. SP

NUR 664 is designed for acute care pediatric nurse practitioner students and focuses on the well child from birth through adolescence. Special attention will be given to health maintenance care of the high risk infant in the primary care setting. CO: NUR 694.

NUR 668. Advanced Cardiovascular Nursing. 3 credits. FA

NUR 668 is designed to provide a conceptual base for students to diagnose and treat human responses to actual or potential cardiovascular health problems. Emphasis is placed on anatomy and physiology for the cardiovascular system, advanced assessment of patients with cardiovascular health problems, and common cardiovascular problems. P: Admission to the graduate program in Nursing or permission of instructor.

NUR 671. Cardiovascular Disease: Risk Assessment, Risk Reduction, and Rehabilitation. 2 credits. SU

NUR 671 is an elective support course for students in the adult acute care nurse practitioner or adult clinical nurse specialist programs of studies who choose to sub-specialize in cardiovascular nursing and an elective course for other graduate nursing students interested in the outpatient management of patients with cardiovascular disease. This course focuses on assessment, diagnosis, and management of coronary artery disease as well as approaches to risk reduction and rehabilitation. The role of the advanced practice nurse in designing, implementing, and evaluating cardiovascular health promotion and disease management programs is examined from an evidence-based practice perspective. The triad of theory, practice, and research in cardiovascular disease prevention and management is a major element in the course. P: Admission to the graduate program in Nursing or permission of instructor.

NUR 672. Electrocardiography for Advanced Nursing Practice. 3 credits. SP

NUR 672 is a required support course for students in the adult acute care nurse practitioner or adult clinical nurse specialist programs of studies who choose to sub-specialize in cardiovascular nursing, and is an elective course for other graduate nursing students. Basic and advanced concepts related to electrophysiology and electrocardiography are presented. Evidence-based medical and nursing therapies are discussed for electrical abnormalities particularly as they apply to advanced practice nursing. Students are provided with opportunities for practicing 12-lead ECG and rhythm strip interpretation. P: Admission to the graduate program in Nursing or permission of instructor.

NUR 674. Practicum II: Clinical Nurse Leader. 1 credit. SU

Introduction of the role of the Clinical Nurse leader will be examined in relationship to other roles and the model of care delivery within the healthcare system. The functional roles of the CNL will be explored in context within the system to begin developing a framework of application within the health system. P: NUR 687, NUR 607, NUR 650, NUR 694 or NUR 615, NUR 696 or NUR 616 or NUR 621 or NUR 732. P or C: NUR 685.

NUR 683. Statistics and Data Analysis for Evidence-Based Nursing Practice. 3 credits. FA, SP

NUR 683 focuses on the appropriate uses of descriptive and inferential statistics for supporting evidence-based practice. Specifically, students develop skills in using statistical concepts and applications to interpret and present health care data for use in data-driven decisions. Emphasis is placed on parametric and nonparametric statistics. P: Undergraduate statistics course.

NUR 684. Epidemiology. 3 credits. SP

NUR 684 explores principles and methods of epidemiology as they are applied in advanced clinical practice with groups, communities, and populations. Infectious and noninfectious disease models are examined. Emphasis is placed on the application of epidemiological methods to questions related to individual, aggregate, community, and population health. This course highlights the interface between epidemiology, clinical practice, and public policies influencing health. P: Successful completion of an undergraduate statistics course.

NUR 685. Exploring Evidence for Improving Outcomes. 3 credits. SU

In NUR 685 students build on knowledge and skills needed for evidenced-based practice (EBP) that was developed in baccalaureate programs. Students are introduced to theoretical frameworks and to their relationship to developing evidence for practice. Strategies and models for EBP are discussed as are strategies for motivating and creating change in the clinical setting. Students identify a clinical practice or system problem and critique and synthesize the relevant research literature and other sources of evidence appropriate to the resolution of that problem. P: NUR 683.

NUR 686. Evaluative Methods for Evidence-Based Nursing Practice. 3 credits. FA

NUR 686 focuses on the translation of scientific knowledge into complex clinical interventions and the evaluation of outcomes of evidence-based practice changes. Emphasis is placed on research designs and methods aimed at outcomes evaluation. Students utilize data management methods to evaluate outcomes. P: NUR 685 or admission into the post-masters to DNP program.

NUR 687. Care Management and Outcomes Improvement. 3 credits. FA, SP

NUR 687 focuses on advanced nursing roles, patient-centered approaches to care, and improving outcomes using a care management process model. Theoretical formulations underlying relationship-based care, evidenced-based practice, quality improvement, and risk management are examined. Emphasis is placed on clinical quality and safety, and ethical and cultural issues related to care for specialized populations in unique clinical situations.

NUR 689. Organizations As Complex Adaptive Systems. 3 credits. SP

NUR 689 examines the complexity of diverse healthcare systems at the micro and macro levels. Using productive inquiry, students explore innovative infrastructures and processes that support the delivery of health care. Concepts, principles, and processes of complexity science, organization theory, management theory, and strategic planning are the main foci of this course. Students analyze the impact of accelerated change on their micro-systems and address the status quo, complacency, and standards of care within their respective practice environments. P: NUR 687; P or CO: MBA 701 and NUR 684.

NUR 690. Practicum: Organizations as Complex Adaptive Systems. 3 credits. SU (225 practicum hours)

NUR 690 is designed to increase the breadth of understanding of the competencies required of the administrative role. Through productive inquiry and organizational assessment, students examine the structures, processes, and outcomes important in the delivery of patient care. Students analyze the impact of accelerated change on the micro and macro systems, including the knowledge workers. P or CO: NUR 685 and NUR 689.

NUR 691. Practicum II: Care Management and Outcomes Management. 2 credits. FA

NUR 691 is designed to increase the breadth of the clinical nurse leader's role as a clinician, advocate, educator, team manager, and designer of care are offered. The clinician role will be emphasized through the application of concepts from outcomes/care management, relationship based care models, and disease management in caring for patient cohorts with health alterations. Quality improvement and patient safety within the micro system will be a primary focus. This practicum requires 150 direct clinical hours. P: NUR 650, 685, 687, 697; CO: NUR 701; P or CO: NUR 686, NUR 692, MHE 607.

NUR 692. Financial Organization of U.S. Healthcare. 2 credits. FA, SU

NUR 692 is designed to provide a foundation in areas of accounting principles, financial planning and control, and use of a financial statement for decision-making and fiscal management. Specific content and issues related to healthcare financing and reimbursement for U.S. Medicare, Medicaid, and private insurers will be reviewed and differentiated from other selected countries.

NUR 694. Advanced Health Assessment Across the Lifespan. 3 credits. SP

NUR 694 prepares students to develop a comprehensive database, including physical, gestational, developmental, behavioral, cultural/social, and family assessment using clinical techniques and appropriate diagnostic tests. Students are also introduced to the diagnostic reasoning process for the purpose of establishing differential diagnoses. The knowledge, skills, and abilities learned provide a foundation for development as advanced generalists or as advanced practice nurses in primary and/or acute settings as they begin to diagnose acute, chronic, and episodic health problems or responses to health problems for individuals and families. The course includes 60 hours of laboratory experience. P: NUR 650 (or 651) and 2000 hours of direct care experience as professional nurse for students enrolled in the following advanced practice nursing tracks: Family, Adult, Adult Acute Care; NUR 646 and 2000 hours of direct pediatric nursing care for students enrolled in the Acute Care Pediatric Nurse Practitioner; CO: NUR 696 or NUR 697 or NUR 621 or NUR 732; P or CO: NUR 756.

NUR 696. Practicum I: Health Assessment of Individuals Across the Lifespan. 1 credit. SP

NUR 696 focuses on developing advanced competencies in the assessment of health status of patients. Students work in clinical settings with preceptors who provide guidance and feedback in the areas of history and physical assessment and diagnostic reasoning. Students will have opportunities to obtain advanced knowledge and clinical skill in performing common diagnostic and therapeutic procedures related to the role of the nurse practitioner. This practicum requires 75 direct clinical hours. CO: NUR 694.

NUR 700. Clinical Nurse Leader Residency. 4 credits. SP

NUR 700 provides an intense preceptorship to apply the roles of clinician, outcomes manager, patient advocate, educator, information manager, micro system analyst/risk anticipator, team manager, and member of profession. Clinical opportunities will be designed that will allow the clinical nurse leader to focus on global health care and its implications for the micro system. P: NUR 691, and all required research and theory core, leadership and policy care, and role support core courses.

NUR 701. Clinical Nurse Leader Seminar. 1 credit. SP

NUR 701 focuses on reflection, inquiry, and synthesis of the clinical nurse leader role. CO: NUR 691.

NUR 702. Management of the High Risk Neonate II. 2 credits. SP

This course is a continuation of didactic content providing the student with an in depth study of many neonatal conditions, including genetic and chromosome abnormalities, immunological, endocrine/metabolic, renal and genital, musculoskeletal, hepatic and EENT disorders with special emphasis on the extremely low birth weight infant and ethical considerations. The course provides an overview of the management strategies and diagnostic techniques used in the assessment and care of some of the more complex neonatal diseases. P: NUR 643; CO: NUR 753 or NUR 855.

NUR 703. Psychiatric-Mental Health across the Lifespan I. 2 credits. SU

NUR 703 provides PMH-NP students opportunities to apply the diagnostic reasoning process contained in, and associated with, the Diagnostic and Statistical (DSM) Manual. This course emphasizes methods for determining differential diagnoses for common mental disorders. Using various teaching-learning modalities, students discuss common presenting psychiatric symptoms across the lifespan and their relationship to a DSM diagnosis. The structured diagnostic interview, physical examinations appropriate to the presenting symptoms, diagnostic and laboratory tests, and alternative diagnostic tests, such as the psychological examination, are discussed as assessment methods. Selected clinical scenarios and differential diagnosis exercises provide students with opportunities to apply their knowledge and skill in the diagnostic reasoning process. P: NUR 687 and NUR 694. Co: NUR 730. P or Co: NUR 685.

NUR 704. Health Care Policy and Law. 2 credits. SP

NUR 704 addresses the legal, policy, political, and regulatory aspects of health care. Topical concepts include health policy from agenda setting through implementation to policy evaluation. Legal and regulatory concepts include the U.S. legal system, contracts, torts, negligence, corporate management, institutional liability, institutional taxation, antitrust laws, healthcare fraud and abuse, organizational admission and discharge, emergency care, treatment consent, medical records, regulation, among other issues. This course provides a foundational framework for assuming a leadership role in designing, influencing, and/or implementing policies to address critical health care issues.

NUR 705. Advanced Pediatric Acute Care I. 4 credits. SU

NUR 705 is designed to provide students with didactic content in common pediatric problems seen in the acute care setting. Content covers common pediatric disorders in the neurological, respiratory, cardiovascular, gastrointestinal, genitourinary, musculoskeletal, and hematological systems. Clinical decision making skills involved in the assessment of patients and the planning and implementing of therapeutic interventions associated with various disorders are addressed. P: NUR 694, NUR 687, NUR 664; C: NUR 726 or NUR 706; P or CO: NUR 685.

NUR 706. Practicum II: Pediatric Acute Care Nurse Practitioner. 1 credit. SU

NUR 706 allows students to begin the development of the Pediatric Acute Care Nurse Practitioner role by providing health care services to pediatric patients and their families in the acute care setting. The emphasis of the course is on further developing clinical assessment and diagnostic reasoning skills and on diagnosing and treating common pediatric illnesses seen in the acute care setting. This course requires 75 direct clinical hours. P: NUR 621; CO: NUR 705; P or Co: NUR 686; NUR 692.

NUR 708. Advanced Pediatric Acute Care II. 4 credits. FA

NUR 708 focuses on the application of the care management process to selected high acuity pediatric conditions in the acute care setting. Selected issues related to high acuity disorders and the management of compromised respiratory, neurological, and cardiovascular are discussed. Students are prepared for triage and assessment of the deteriorating patient in the acute care setting and initial stabilization of that patient. This includes pharmacologic management, basic ventilator management, and other therapeutic interventions. An understanding of human physiology, the pathophysiology of disease states and the scientific rationale for management strategies are emphasized. P: NUR 705; CO: NUR 709; P or CO: NUR 686 and NUR 692.

NUR 709. Practicum III: Pediatric Acute Care Nurse Practitioner. 2 credits. FA

NUR 709 is designed to provide students the opportunity to continue development of the Pediatric Acute Care Nurse Practitioner role by providing health services to pediatric patients and their families in acute care settings. The emphasis of the course is on further developing clinical assessment, diagnostic reasoning skills, and on diagnosing and treating common and more complicated acute care pediatric patients with increased acuities. This practicum requires 150 direct clinical hours. P: NUR 706; CO: NUR 708.

NUR 711. Advanced Pediatric Acute Care III. 2 credits. SP

NUR 711 is designed to assist students with the development of advanced skills in identifying the needs and interventions for medically fragile children and their families who are frequently cared for in the acute care setting. The course addresses the chronic health care needs, the acute episodes, and the community resources needed for care. P: NUR 708. CO: NUR 712 or NUR 855.

NUR 712. Residency: Pediatric Acute Care Nurse Practitioner. 5 credits. FA, SP, SU

NUR 712 is the final preceptor-supervised practicum course for students in the Master's degree or post-grad certificate program in which students are immersed in their advanced practice nursing role. The emphasis of the course is on developing competence in diagnosing and treating a full range of common acute, complex acute and chronic health problems of pediatric patient in the acute care setting. P: All required Research and Theory Core, Leadership and Policy Core, Role Support, and Role Specialty Courses; CO: NUR 711.

NUR 714. Primary Care of Adult-Gerontology. 3 credits. SU

NUR 714 provides a theoretical and practical base for students to diagnose and manage common and uncomplicated acute episodic and chronic health problems of adults that are managed predominantly in primary care settings. Content includes management strategies from the domains of nursing, medical, and pharmacological therapeutics, and emphasizes direct care to patients with health problems in selected body systems. Students will have opportunities to obtain advanced knowledge and clinical skill in performing common diagnostic and therapeutic procedures related to the role of the nurse practitioner. The student is expected to apply the concepts and theories discussed in class to the care of adult patients in concurrent and subsequent clinical practicum courses. Students will have opportunities to obtain advanced knowledge and clinical skill in performing common diagnostic and therapeutic procedures related to the role of the nurse practitioner. P: NUR 687 and NUR 694 or NUR 756; CO: NUR 715; NUR 716 (Adult) or NUR 717 (Family); P or CO: NUR 685.

NUR 715. Practicum II: Family Nurse Practitioner. 1 credit. SU

NUR 715 is designed to allow students to begin the development of the family nurse practitioner role by providing health care services to individuals across the lifespan in primary care settings. The course continues to emphasize the development of clinical assessment and diagnostic reasoning skills to design and implement evidence-based treatment plans for common and uncomplicated acute, episodic and chronic health problems of children, pregnant women, adults, and older adults in the primary care setting. Students will have the opportunity to obtain advanced knowledge and clinical skill in performing common diagnostic and therapeutic procedures related to the role of the nurse practitioner. Students will have opportunities to obtain advanced knowledge and clinical skill in performing common diagnostic and therapeutic procedures related to the role of the nurse practitioner. This practicum requires 75 direct clinical hours. P: NUR 696; CO: NUR 714 and NUR 717.

NUR 716. Practicum II: Adult-Gerontology Primary Care Nurse Practitioner. 1 credit. SU

NUR 716 is designed to allow students to begin the development of the adult-gerontology primary care nurse practitioner role by providing health care services to adolescents through older adults in primary care settings. The course continues to emphasize the development of clinical assessment and diagnostic reasoning skills to design and implement evidence-based treatment plans for common and uncomplicated acute, episodic, and chronic health problems of adolescent, adults, and older adults in the primary care settings. Students will have the opportunity to obtain advanced knowledge and clinical skill in performing common diagnostic and therapeutic procedures related to the role of the nurse practitioner. This practicum requires 75 direct clinical hours. P: NUR 695; CO: NUR 714.

NUR 717. Maternal and Well Child Care Management. 1 credit. SU

This course provides a theoretical and practical base for students to diagnose and manage the normal pregnant woman and common complications of pregnancy and the well child from birth through adolescence. Content includes management strategies from the domains of nursing, medical and pharmacological therapeutics. Special emphasis is placed on health promotion and health maintenance. The student is expected to apply the concepts and theories discussed in class to the care of maternal-child patients in concurrent and subsequent clinical practicum courses. The following elements are integrated into the course: health states, care management, critical thinking, professional communication, evidence-based practice, scientific integrity and ethical decision making, cultural competence, genomics, age, awareness of social and professional issues, and personal and professional development. P: NUR 694; CO: NUR 714 and NUR 715.

NUR 718. Advanced Adult - Gerontology Acute Care Nursing I. 4 credits. SU

NUR 718 provides a theoretical base for Adult Acute Care Nurse Practitioner students to diagnose and manage health problems of adults and older adults in a variety of settings including primary, acute, and critical care. Content includes management strategies from the domains of nursing, medical, and pharmacology and emphasizes direct care to patients with health problems in selected organ systems. Students will have opportunities to obtain advanced knowledge and clinical skill in performing common diagnostic and therapeutic procedures related to the role of the nurse practitioner. P: NUR 694, NUR 687, and NUR 756; CO: NUR 719 or NUR 726; P or CO: NUR 685.

NUR 719. Practicum II: Adult-Gerontology Acute Care Nurse Practitioner. 1 credit. SU

NUR 719 is designed to allow students to begin the development of adult-gerontology acute care nurse practitioner role by providing health care services to adolescents through older adults in primary care setting. The course continues to emphasize the development of clinical assessment and diagnostic reasoning skills to design and implement evidence-based treatment plans for common and uncomplicated acute, episodic, and chronic health problems of adolescents, adults, and older adults in primary care settings. Students will have opportunities to obtain advanced knowledge and clinical skill in performing common diagnostic and therapeutic procedures related to the role of the nurse practitioner. This practicum requires 75 direct clinical hours. P: NUR 732; CO: NUR 718.

NUR 720. Primary Care of Adult-Gerontology II. 3 credits. FA

NUR 720 is designed to provide a theoretical and practical base for students to diagnose and manage more complicated acute episodic and chronic health problems of adults across the lifespan that present predominantly in primary care settings. Content includes management strategies from the domains of nursing, medical, and pharmacological therapeutics, and emphasizes direct care to patients with health problems in selected body systems. The student is expected to apply the concepts and theories discussed in class to the care of adult patients across the lifespan in concurrent and subsequent clinical practicum courses. P: NUR 714; CO: NUR 721 or NUR 724 (Adult) and NUR 722 (Family); P or CO: NUR 686 and NUR 692.

NUR 721. Practicum III: Family Nurse Practitioner. 2 credits. FA

NUR 721 allows students to continue the development of the family nurse practitioner role by providing health care services to patients across the lifespan in primary care settings. This course emphasizes further development of clinical assessment and diagnostic reasoning skills and the diagnosis and treatment of common and more complicated acute episodic and chronic health problems of adults, pregnant women and children. This practicum requires 150 direct clinical hours. P: NUR 715; CO: NUR 720 and NUR 722.

NUR 722. Child Care Management. 2 credits. FA

NUR 722 provides a theoretical and practical base for students to diagnose and manage common and uncomplicated acute episodic and chronic health problems of infants and children that are managed predominantly in primary care settings. Content includes management strategies from the domains of nursing, medical and pharmacological therapeutics. The student is expected to apply the concepts and theories discussed in class to the care of pediatric patients in concurrent and subsequent clinical practicum courses. P: NUR 717; CO: NUR 721.

NUR 723. Residency: Family Nurse Practitioner. 5 credits. SP

NUR 723 is the final preceptor-supervised practicum course in the Master's Degree and post-grad certificate program in which students are immersed in the advanced practice nursing role as a family nurse practitioner. Students will develop competency in diagnosing and treating a full range of common acute and chronic health problems of adults, older adults, pregnant women and children who present and are treated predominantly in primary care settings. P: Successful completion of all required research and theory core, leadership and policy core, role and support core and specialty and role courses. CO: NUR 731.

NUR 724. Practicum III: Adult-Gerontology Primary Care Nurse Practitioner. 2 credits. FA

NUR 724 is a preceptor-supervised practicum course for adult nurse practitioner students. This course emphasizes the provision of health care services to adults across the lifespan in primary care settings. The course focuses on further developing clinical assessment and diagnostic reasoning skills. Students will develop competency in diagnosing and treating common and more complicated acute episodic and chronic health problems of adults who present and are treated predominantly in primary care settings. This practicum requires 150 direct clinical hours. P: NUR 716; CO: NUR 720.

NUR 725. Residency: Adult-Gerontology Nurse Practitioner Primary Care. 5 credits. SP

NUR 725 is the final preceptor-supervised practicum course in the Master's degree and post-graduate certificate program in which students are immersed in the advanced practice nursing role. Students will develop competency in diagnosing and treating a full range of common acute and chronic health problems of adults, young, middle age, and older adults who present and are treated predominantly in primary care settings. P: All required research and theory core, leadership and policy core, role and support core and specialty and role courses; CO: NUR 731.

NUR 730. Practicum II: Psychiatric Mental Health Nurse Practitioner. 1 credit. SU

NUR 730 provides PMH-NP students the opportunity to collaborate with preceptors in conducting comprehensive physical and mental health assessments, synthesizing data from multiple sources, and determining an appropriate differential diagnosis for patients experiencing psychiatric disorders. Practicum experiences incorporate introductory level psychiatric experiences including outpatient practicum experiences. In addition, students will begin to develop a working knowledge base regarding scope of practice, differential diagnoses, assessment tools/practices, medication management practices, basic treatment modalities and common side/adverse effects. Focus will include dynamics of the specific psychiatric nurse practitioner roles, role expectations, and cultural implications. P: NUR 696. Co: NUR 730.

NUR 731. Primary Care of Adult-Gerontology III. 2 credits. SP

NUR 731 will focus on issues especially pertinent to the older adult. Students will develop knowledge and skills that will allow them to assess, diagnose, and clinically manage older adults as they respond to acute and chronic health problems. NUR 731 will also focus on syndromes unique to the older adult. P: NUR 720; CO: NUR 723 (Family) or NUR 725 (Adult) or NUR 855 (Section A or C).

NUR 732. Practicum I: Health Assessment of Adults and Older Adults. 1 credit.

This course is designed to develop competency in advanced health assessment of adolescents through the older adult. Students work in clinical settings with preceptors who provide guidance and feedback in the areas of history, physical assessment, diagnostic reasoning, and differential diagnosis. This practicum requires 75 direct clinical hours. Students will have opportunities to obtain knowledge and clinical skill in performing common diagnostic and therapeutic procedures related to the role of the nurse practitioner. Co: NUR 694.

NUR 733. Psychiatric Mental Health Across the Lifespan II. 2 credits. FA

NUR 733 introduces PMH-NP students to the neurosciences and the role the specialty plays in understanding genetics, pathophysiology, diagnosis, and psychopharmacotherapeutic treatment of behavioral health disorders with emphasis on the child/adolescent population. Building on principles in advanced pathophysiology and advanced pharmacology courses, NUR 733 emphasizes relationships between neurobiology, symptomatology, and the implications for pharmacological intervention for populations across the lifespan suffering from mental disorders. Major classifications of psychotropic medication and adjunct medications are highlighted with emphasis on the role of the psychiatric nurse practitioner in the pharmacologic treatment of presenting symptoms for major mental diseases. P: NUR 703. Co: NUR 735. P/Co: NUR 686, NUR 692.

NUR 735. Practicum III: Psychiatric Mental Health Nurse Practitioner. 2 credits. FA

NUR 735 provides PMH-NP students with skills necessary to identify specific psychiatric syndromes in the clinical setting. Emphasis will be placed on assessment practices and psychopharmacology decision making for patients across the lifespan. Students will build on their knowledge with regards to differential diagnoses/syndromes emphasizing child/adolescent populations as well as neurological disorders. Elements of interprofessional practice will be integrated into practicum experiences. Practicum experiences will include, the general psychiatric patient experiences as well child/adolescent populations. P: NUR 730. Co: NUR 733.

NUR 742. Psychiatric Mental Health Across the Lifespan III. 2 credits. SP

NUR 742 introduces PMH-NP students to population-specific current counseling, psychotherapy, and psycho-educational models with special emphasis on child/adolescent psychiatry. Therapeutic approaches, including but not limited to cognitive behavioral therapy, dialectical behavior therapy, psychodynamic/psychoanalytic psychotherapy, motivational interviewing, and crisis intervention, are highlighted. Students are exposed to theoretical and practical applications of models and their association to the population with which there is empirical support. Students will continue discussions of the neurosciences and in the understanding of the genetics, pathophysiology, diagnosis, and psychopharmacotherapeutic treatment of behavioral health disorders with emphasis on the child/adolescent population. P: NUR 733; Co: NUR 899; P or Co: NUR 684, NUR 704.

NUR 746. Advanced Adult-Gerontology Acute Care Nursing II. 4 credits. FA

NUR 746 provides a theoretical and practical base for Adult-Gerontological Population Nurse Practitioner students to diagnose and manage health problems of adults and older adults in a variety of settings including primary, acute, and critical care. Content includes management strategies from the domains of nursing, medicine, and pharmacology, and emphasizes direct care to patients with health problems in selected organ systems. Building on prior knowledge, skills, and attitudes, students are expected to apply the concepts and theories discussed in class to the care of adults and older adults. P: NUR 718; CO: NUR 749; P or CO: NUR 686 and NUR 692.

NUR 747. Advanced Adult-Gerontology Acute Care III. 2 credits. SP

NUR 747 provides a theoretical and practical base for Adult-Gerontological Population Nurse Practitioner students to diagnose and manage health problems of adults and older adults in a variety of settings including primary, acute, and critical care. Content includes management strategies from the domains of nursing, medicine, and pharmacology, and emphasizes direct care to patients with health problems in selected organ systems. Building on prior knowledge, skills, and attitudes, students are expected to apply the concepts and theories discussed in class to the care of adults and older adults. P: NUR 746; CO: NUR 750 or NUR 855.

NUR 749. Practicum III: Adult-Gerontology Acute Care Nurse Practitioner. 2 credits. FA

NUR 749 focuses on the development of the adult acute care practitioner role by providing health care services of adults across the lifespan in acute care settings. The course emphasizes clinical assessment and diagnostic and reasoning skills, and the treatment of common diseases in young, middle age and older adults and their families in acute care settings. Practicum equals 150 clinical hours. P: NUR 719; CO: NUR 746.

NUR 750. Residency: Adult-Gerontology Acute Care Nurse Practitioner. 5 credits. SP

NUR 750 is the final preceptor supervised practicum course for students in the Master's Degree or post-grad certificate program in which they are immersed in their advanced practice nursing role. The course allows students to complete the trajectory from novice to competent advanced practice nurse as an adult-gerontological acute care nurse practitioner. Students will develop competence in diagnosing and treating a full range of common acute and chronic health problems of young, middle age, and older adults who present and are treated predominantly in acute and critical care settings. The practicum equals 300 clinical hours. P: Successful completion of all required research and theory core, leadership and policy core, role support core and specialty and core courses; CO: NUR 747.

NUR 751. Diagnostic and Therapeutic Procedures for Neonatal Nurse Practitioners. 1 credit. SP

NUR 751 provides students with opportunities to obtain advanced knowledge and clinical skills in diagnostics and therapeutic procedures related to the role of the neonatal nurse practitioner in the NICU. Neonatal resuscitation program certification and instructor certification are part of this course. This course requires 60 lab hours. CO: NUR 615.

NUR 752. Embryology and Genetics of the Developing Newborn. 2 credits. FA, SU

NUR 752 is designed to prepare neonatal advanced practice nurses to use embryology, genetics, and developmental concepts when assessing neonatal and pediatric patients.

NUR 753. Residency: Neonatal Nurse Practitioner. 5 credits. SP

NUR 753 is the final preceptor-supervised practicum course for neonatal practitioner students in the master's degree or post-graduate certificate programs in which students are immersed in their advanced practice nursing role. The course allows students to complete the trajectory from novice to competent advanced practice nurse by providing care to a group of critically-ill infants in the Level III NICU. P: Successful completion of all required research and theory core, leadership and policy core, role support core courses and specialty and role courses; CO: NUR 702.

NUR 754. Advanced Oncology Nursing I. 3 credits. FA

NUR 754 is an elective course for those who choose to enhance oncological nursing knowledge. This course is designed to provide a scientific and evidence-based framework for care of the oncology patient. The course will include epidemiology, pathophysiology, genetics and genomics of cancers, screening and diagnosis, common treatment modalities, symptom management, and psychosocial issues associated with the cancer care will also be addressed. Palliative and end of life care, cancer survivorship, and economic issues associated with cancer care will also be addressed.

NUR 755. Advanced Oncology Nursing II. 3 credits. SP

NUR 755 is an elective course for those who choose to enhance oncologic nursing knowledge. Knowledge and concepts from NUR 754 are applied to the discussion of breast, gynecologic, prostate, testicular, gastrointestinal, lung, and head and neck cancers; hematologic cancers; sarcomas; and skin cancers. Oncological emergencies are addressed. P: NUR 754 or IC.

NUR 756. Health Promotion and Disease Prevention in the Gerontological Population. 2 credits. SP

NUR 756 prepares the student to utilize health promotion and health protection principles in the delivery of care to the older adult and their families, and caregivers. Demographic trends and stereotypes, as well as biological and psychological theories of aging are explored. Quality of life issues through the utilization of health promotion strategies are a focus combined with prevention strategies for age specific diseases and syndromes. Cultural, ethnic, spiritual, and age sensitive issues are addressed. Collaborative strategies to improve outcomes using evidence-based protocols with multi-disciplinary personnel are emphasized.

NUR 770. Psychiatric Mental Health Across the Lifespan IV. 2 credits. SU

NUR 770 engages PMH-NP students in the advanced care management of psychiatric patients across the lifespan. Evidence-based practice guides direct management of care of individuals seeking psychiatric care. NUR DDD expands on the student's knowledge and skills necessary for population health care in a variety of psychiatric settings. Using evidence from interdisciplinary literature, selected models, theories, and research; students will begin to develop skills in selecting evidence based psychotherapeutic treatment modalities for individual, family and group populations. Ethical challenges related to conducting psychotherapy and the advanced practice nurse's role are addressed. The advanced practice nurse's role as a mental health advocate and leader in mental health policy will be emphasized. P: NUR 742; Co: NUR 899.

NUR 781. Psychiatric Mental Health Across the Lifespan V. 2 credits. FA

NUR 781 provides PMH-NP students with opportunities to expand their skills in the differential diagnosis and psychotherapeutic modalities that are used in conjunction with medication management for complex psychiatric disorders in a variety of settings. Using the care management process model, nurse-patient relationship models, and evidence-based practice guidelines as context; advanced practice nursing students will implement culturally sensitive treatment plans, in collaboration with the interprofessional team, to treat acute and chronic psychiatric disorders and minimize co-morbid complications. P: NUR 770. Co: NUR 857; NUR 899.

NUR 787. Organizational Transformation. 3 credits. SP

In NUR 787, students focus on maximizing the human resource potential within the organization. Students analyze the factors commonly associated with healthy work environments, and explore the impact of interprofessional collaboration and other evidenced-based management practices on professional nursing practice, performance, clinical outcomes, risk, and safety. Students examine ethical, legal, and regulatory policies and issues in human resource management. P: NUR 686 and NUR 689; CO: NUR 788; P or CO: MBA 741 and select NCR courses.

NUR 788. Practicum: Organizational Transformation. 4 credits. SP

NUR 788 examines the organization for characteristics associated with healthy work environments and makes recommendations for the application of evidence based management practices as needed to improve professional nursing practice. Federal and state regulations are reviewed and assessed for their impact on organizational performance, clinical outcomes, risk, and safety. Students evaluate individual, group, and team performance within their organizations, and develop strategies for creating and sustaining a culture where quality and safety are paramount. The use of decision support systems to analyze structures, processes, and outcomes are incorporated. This practicum requires 300 direct clinical hours. P: NUR 690; CO: NUR 787 or NUR 899 (students enrolled in DNP program).

NUR 791. Psychiatric Mental Health Across the Lifespan VI. 2 credits. SP

NUR 791 is designed as the residency didactic course for Psychiatric Mental Health Nurse Practitioner students. Students continue to engage in advanced practice nursing consistent with the essential competencies of doctoral education for advanced nursing practice. In addition, emphasis is placed on expanding opportunities that are available for advance practice nurses that have not yet been experienced or adequately explored such as forensics, juvenile centers, ECT, and consultation. Focus will be placed on gerontology, substance and alcohol treatment facilities, and telepsychiatry as well as group, family and individual therapy. Unique rural mental health needs will be further explored. Also, students will combine both psychotherapeutic techniques with psychiatric medication management for both acute and chronic psychiatric patient populations. P: NUR 781; Co: NUR 902.

NUR 795. Directed Independent Study. 1-6 credits. FA, SP, SU

Independent project on a topic designed by the student with approval of the adviser and program chair. CO: NUR 899 (students enrolled in DNP program).

NUR 796. Directed Independent Study. 1-6 credits. FA, SP, SU

Independent project on a topic designed by the student with approval of the adviser and program chair. This course is graded Satisfactory/Unsatisfactory.

NUR 855. DNP Practicum IV. 2 credits. SP

Practicum IV is the fourth practicum course for students in the Doctor of Nursing Practice program in which students continue to develop competence in their role specialty. The emphasis of the course is on developing competence in their role specialty. Students will register for one of the following specialty sections: Section A: Adult-Gerontological track; Section B: Adult-Gerontological Acute Care track; Section C: Family track; Section D: Neonatal track; Section E: Pediatric Acute Care track. This practicum requires 150 direct clinical hours. P: NUR 644 (neonatal) or NUR 724 (adult/gerontological primary care) or NUR 709 (pediatrics) or NUR 731 (family and adult primary care) or NUR 747 (adult-gerontological acute care); P or CO: NUR 684 or NUR 721 (family).

NUR 856. DNP Practicum V. 2 credits. SU

NUR 856 is the fifth supervised practicum course designed for students in the Doctor of Nursing Practice program in which students continue to develop competence in their role specialty. As students practice within their role specialty, they apply principles of epidemiology and concepts and theories related to health care policy and law within the health care setting and the profession. This practicum requires 150 direct clinical hours. Students will register for one of the following specialty sections: Section A: Adult-Gerontological track; Section B: Adult-Gerontological Acute Care track; Section C: Family track; Section D: Neonatal track; Section E: Pediatric Acute Care track; Section F: Psychiatric Mental Health track. P: NUR 855 and NUR 704 and NUR 684; CO: NUR 899; NUR 618 (adult-gerontological primary care and family). P or Co: NUR 617.

NUR 857. DNP Practicum VI. 3 credits. FA

NUR 857 is the sixth practicum course for students in the Doctor of Nursing Practice program in which students continue to develop competence in their role specialty. As students develop competence in their role specialty, they apply principles of systems, conflict resolution, and group process facilitation while implementing a scholarly project. This practicum requires 225 direct clinical hours. Students will register for one of the following specialty sections: Section A: Adult-Gerontological track; Section B: Adult-Gerontological Acute Care track; Section C: Family track; Section D: Neonatal track; Section E: Pediatric Acute Care track. P: NUR 856; CO: NUR 899. P: NUR 856; CO: NUR 899; P or CO: NCR Courses.

NUR 858. Post-Master's DNP Clinical Proficiency. 1-4 credits. FA, SP, SU

NUR 858 is designed for nurse practitioners in the Post-Master's to DNP program with active practice sites who will have fewer than 1200 practicum hours upon completion of their degree. A competency-based gap analysis determines the number of credits required for the student to enroll. The score earned on the analysis will determine whether the student performs practicum hours or they are granted based on demonstrated competency.

NUR 886. Residency: Advanced Public Health/Global Health Nursing. 5 credits. SP

NUR 886 is a role immersion course and the final practicum for the advanced public health/global health nursing students. Students engage in the role of advanced public health nurse consistent with the end-of-program competencies. Students function collaboratively in a public health setting to develop and evaluate a practice improvement project and specify implications for practice, research, policy, and education. P: Successful completion of all required research and theory core, leadership and policy core, role support and role specialty courses.

NUR 888. Executive Leadership. 3 credits. SU

NUR 888 focuses on the nurse leader's role in maximizing organization strategic performance through ethical leadership and empowered collaboration. Students engage in analytic and dialectic approaches to address challenges to organizational availability and issues influencing organizational performance, such as uncompensated care, competition, consumerism, capital needs associated with technology innovations, and facility renovation and expansion. Students formulate policies and plans for ensuring the development and availability of appropriate resources to support the mission, strategic initiatives and quality goals of the practice environment and comply with regulatory and national standards. P: MBA 701, NUR 787; CO: NUR 899; P or CO: MBA 711 and MBA 741.

NUR 889. Practicum: Executive Leadership. 4 credits. FA

NUR 889 students apply theories, principles and concepts from the prior clinical systems administration courses. Using principles of ethical leadership, negotiation, and empowered collaboration, students engage in the leadership role in maximizing the organization's strategic performance. Students progress toward implementing an evidence-based proposal for improving practice, microsystems, organizations, systems, and/or public policy. Students conduct an analysis of an organization's position vis-à-vis major issues impacting organizations performance. P: NUR 787, NUR 888, NUR 899; MBA 711, MBA 741; CO: NUR 899.

NUR 895. Seminar: Clinical Systems Administration. 2 credits. SP

NUR 895 is designed for students to share issues and experiences from the final practicum and demonstrate the integration of advanced and specialized knowledge and skills when implementing their roles in the management of care delivery systems. Students use a systematic process of moral reasoning and values based dialogue to address ethical dilemmas and situations, and apply communication, collaborative, and dispute resolution skills and techniques in analyzing and resolving complex issues. Students engage in policy analysis for the improvement of health care. CO: NUR 896.

NUR 896. Residency: Clinical Systems Administration. 4 credits. SP

NUR 896 is the final practicum experience for clinical systems administration students. Students engage in the role of the nurse executive consistent with the end of program competencies. Students implement and evaluate the outcomes of their practice improvement project and specify implications for practice, research, policy and education. The results of the project will be disseminated. This course requires 300 clinical hours. P: NUR 889, NUR 899; CO: NUR 895.

NUR 899. DNP Scholarly Project Seminar. 1-3 credits. FA, SP, SU

NUR 899 is designed to document a synthesis of the student's educational experiences, growth and knowledge and expertise in an area of nursing practice. Students choose a project that allows them to collaborate with scholars from nursing and other disciplines to design, manage, and evaluate clinical practices and organization systems. This project serves as a foundation for future scholarly practice. PLEASE NOTE: The student completes a total of 3 credit hours in NUR 899, during which he or she develops the Scholarly Project. NUR 899 is taken in 1- or 2-hour increments. Once a student has enrolled in the first hour of NUR 899, the student must continue to enroll in a minimum of one credit hour of NUR 899 until all prerequisites for the Residency Course have been met. An "I" (Incomplete) is received until all NUR 899 course requirements have been completed and the student is eligible to enroll in the Residency course. This course is graded satisfactory/unsatisfactory. CO: Practicum Courses in Role Specialty.

NUR 900. DNP Scholarly Project. 1-4 credits.

NUR 900 is designed to provide post-master's DNP students with an opportunity to build upon the research, leadership, policy, and role support courses. The practicum will serve as a venue for the post-master's DNP student to design their scholarly project by: collaborating with stakeholders within multiple microsystems or a macrosystem; creating and fostering relationships within professional and lay groups; identifying policy implications for multiple microsystems or a macrosystem; applying principles of negotiation, systems design, and conflict management in planning the implementation of their scholarly project. PLEASE NOTE: The student completes a total of 6 credit hours in NUR "900" during which he or she develops the Scholarly Project. NUR "900" is taken in 2- or 4-hour increments. Once the student has enrolled in the first 2-credit hours of NUR "900", the student must continue to enroll in a minimum of two credit hours of NUR "900" until all the prerequisites for the Residency course have been met. An "I" (Incomplete) is received until all NUR "900" course requirements have been completed and the student is eligible to enroll in the Residency course. This course is graded satisfactory/unsatisfactory. P: NUR 686 and admission as a post-master's DNP student.

NUR 901. Residency: Advanced Practice Nurse. 2 credits. FA, SP, SU

NUR 901 is the final practicum experience for post-master's advanced practice nursing students in the doctor of nursing practice degree program in which they continue the development of their current role and/or speciality. Students engage in the role of the advanced practice nurse consistent with competencies of their particular specialty and the essential competencies of the doctoral education for advance nursing practice. Under the direction of the faculty/project advisor, students complete the process of implementing, evaluating, and disseminating their evidence-based quality improvement projects and specify implications for practice, research, policy, and education. P: All required Research and Theory Core, Leadership and Policy Core, Role Support, and Role Specialty Courses.

NUR 902. DNP Residency. 5 credits. SP

NUR 902, a role immersion course, is the final practicum course for students in the Doctor of Nursing Practice program in which they continue the development of their role specialty. As fully as possible, students engage in their role specialty consistent with role specialty essential competencies and the essential competencies of doctoral education. This residency course requires 375 clinical hours: 175 are direct clinical hours/125 are indirect clinical hours. Students complete the process of implementing, evaluating, and disseminating a scholarly project and specify implications for practice, research, policy and education. Students will register for one of the following specialty sections: Section A: Adult-Gerontological track; Section B: Adult-Gerontological Acute Care track; Section C: Family track; Section D: Neonatal track; Section E: Pediatric Acute Care track. P: Successful completion of all required Research/Theory Core, Leadership/Policy Core, Role Support and Role Specialty courses through NUR 781. Co: NUR 791.

Doctor of Nursing Practice (DNP)

Creighton University College of Nursing offers a program of study in nursing leading to the degree of Doctor of Nursing Practice (DNP) with specialty tracks in Advanced Practice Nursing (Nurse Practitioner), and Clinical Systems Administration (CSA). The DNP program provides graduate education in a learning environment where ethical leadership, creative problem resolution, service to diverse populations, interprofessional collaboration, and commitment to performance excellence are hallmarks within the Health Sciences schools as well as the Center for Health Policy and Ethics, Heider College of Business and the Werner Institute's Graduate Program on Negotiation and Conflict Resolution. DNP students will complete core, role support, and specialty courses in advanced practice nursing or clinical systems administration. The program's emphasis is on preparing local, regional, national and international nurse leaders who use their expertise in providing quality care in increasingly complex environments.

The Doctor of Nursing Program at Creighton University is accredited by the Commission on Collegiate Nursing Education (CCNE) (<http://www.aacn.nche.edu/ccne-accreditation>).

There are two pathways leading to the DNP.

BSN-DNP Option

A post-baccalaureate option exists for students who have successfully completed a Bachelor of Science in Nursing degree from a college or university accredited by the Accreditation Commission for Education on Nursing (ACEN) or Commission on Collegiate Nursing Education (CCNE).

The number of credit hours for the post-baccalaureate to doctoral degree ranges from 66-75 credit hours. The required credit hours for graduation are commensurate with the student's chosen role option. Full and part-time plans of study are available for all options. Detailed Programs of Study (<http://nursing.creighton.edu/academics>) are available for review.

Post Master's to DNP Option

A post-master's option exists for students who have completed a Master's of Science degree with a major in nursing from a college or university accredited by the Accreditation Commission for Education on Nursing (ACEN) or Commission on Collegiate Nursing Education (CCNE).

The MSN to DNP (Post-Master's to DNP) program is designed for current APRN nurses, as well as those with an MSN in Administration, who are prepared at the graduate level and are wanting to earn their DNP degree. Applicants who are MSN prepared, but are not currently an APRN or

have an MSN in Administration, will need to complete a BSN to DNP curriculum in order to complete all required course content for a Nurse Practitioner track.

The number of credit hours for the post-master's to doctoral degree ranges from 28-36 credit hours. A change in certification will result in increased credit hours required. The required credit hours for graduation are commensurate with the student's chosen role option. The full and part-time plans of study are available for all options. Detailed Programs of Study (<http://nursing.creighton.edu/academics>) are available for review.

DNP Program Objectives

The DNP program is designed to prepare nurses who:

1. Integrate nursing science with theories and knowledge from interdisciplinary sciences to advance the health of people and quality of clinical practices.
2. Provide leadership in the analysis of health care delivery systems and clinical practices, and the formulation, implementation, and evaluation of strategies for creating and sustaining continuous improvement.
3. Apply information technology and decision support systems to analyze, evaluate, and improve structure, processes, and outcomes in health care.
4. Engage in policy analysis, formulation, implementation, and advocacy activities to improve health care locally, regionally, nationally, and internationally.
5. Apply communication, collaborative, and dispute resolution skills and techniques to maximize team performance in analyzing and resolving complex issues.
6. Apply appropriate methods and models in partnership with families, individuals, groups, communities, and providers to improve health and address gaps in population-based healthcare.
7. Employ a systematic process of moral reasoning and values-based dialogue to address, prevent, and resolve ethical dilemmas and situations.
8. Engage in the generation, translation, application, evaluation, and dissemination of evidence to administrative and/or clinical practices.
9. Integrate advanced and specialized knowledge and skills when implementing practice roles in clinical care delivery or management of care delivery systems.

DNP Admission Requirements

Admission into the DNP Program is based on academic acceptance by the College of Nursing. Academic acceptance is based on meeting the following requirements:

Post-Baccalaureate Applicants

1. A completed application form, together with a \$50 nonrefundable application fee.
2. A Bachelor of Science degree with a major in nursing from a college or university accredited by the Accreditation Commission for Education in Nursing (ACEN) or Commission on Collegiate Nursing Education (CCNE).
3. A cumulative undergraduate GPA of 3.00 on a 4.0 scale, or a cumulative graduate GPA of 3.0.
4. Three recommendations from persons able to evaluate the applicant's current and potential competency in advanced nursing practice, academic potential, leadership skills, and potential for

leadership in the profession. One reference should come from a nursing employer or supervisor. Baccalaureate nursing students applying during their last undergraduate semester will be required to provide a reference from their most recent clinical instructor and/or preceptor.

5. An official transcript of all previous academic work at the collegiate level. Applicants must assume the responsibility of requesting the registrar of each institution previously attended to mail or e-mail an official transcript directly to Creighton University Enrollment Services Department.
6. A current active unencumbered registered nursing (RN) license to practice in the United States.
7. A current resume/curriculum vitae that provides evidence of leadership or service experiences.
8. A personal essay that includes a narrative response to the following items (500 words per item allowed):
 - a. The applicant's educational and professional goals, both short term and long term, and how earning the Doctor of Nursing Practice degree will aid in reaching those goals.
 - b. One example of a practice problem encountered by the applicant and a description of the applicant's role in effecting change to alleviate or correct the problem.

Academic Acceptance for Post-Master's Applicants

Academic acceptance by the College of Nursing is based on the applicant's meeting the following requirements. Academic acceptance is based on meeting the following requirements:

1. A completed application form, together with a \$50 nonrefundable fee.
2. A Master of Science in Nursing or Master's of Science degree with a major in nursing from a college or university accredited by the Accreditation Commission for Education in Nursing (ACEN) or Commission on Collegiate Nursing Education (CCNE). The applicant must have earned a cumulative graduate GPA of at least 3.0.
3. Three recommendations from persons able to evaluate the applicant's current and potential competency in advanced nursing practice at the doctoral level, academic potential, leadership skills, and potential for leadership in the profession. One reference should come from a nursing employer or supervisor.
4. An official transcript of all previous academic work at the collegiate level. Applicants request that the registrar of each institution previously attended to mail or e-mail an official transcript directly to the Creighton University Enrollment Services Department.
5. A current active unencumbered registered nursing (RN) license and, if applicable, a current and active unencumbered license to practice as an advanced practice nurse in the United States
6. Evidence of current national certification as an advanced practice nurse, if applicable.
7. A current resume/curriculum vitae that provides evidence of leadership, practice, and service experiences, such as a holding a management position.
8. A personal essay that includes a narrative response to the following items (500 words per item allowed):
 - a. The applicant's educational and professional goals, both short term and long term, and how earning the Doctor of Nursing Practice degree will aid in reaching those goals.
 - b. One example of a practice problem encountered by the applicant and a description of the applicant's role in effecting change to alleviate or correct the problem.
9. A discussion of the applicant's focused area of interest for the capstone evidence-based quality improvement project and a description of one outcome the applicant would like to address with the project.

This University is authorized under Federal law to enroll nonimmigrant international students. Ability to speak and write correct grammatical English is imperative. All applicants who are not native speakers of English or who have obtained a high school diploma or degree outside of the United States must present a TOEFL iBT score of at least 100. Scores over 2 years old will not be accepted. Students must ask the ETS (the testing agency) to send original TOEFL scores to Creighton University (institutional code 6121). The College of Nursing reserves the right to require students to re-take the exam. It is also at the discretion of the College of Nursing as to whether a TOEFL score is required of applicants who have earned a college degree from a United States university. Eligible students who have not attained the minimum TOEFL iBT score, may be conditionally admitted to Creighton provided that they enroll in Creighton University's Intensive English Language Institute (IELI) until they obtain the required English proficiency level for admission.

All admission materials must be sent directly to the Creighton university Enrollment Services Department. Questions concerning admission materials can be addressed by contacting the College of Nursing's Admission Counselor at 402.280.2067.

Upon academic acceptance into the College of Nursing, students must meet certain Conditions of Enrollment. Conditions of Enrollment include:

1. Completion of required immunizations for all Creighton University Health Sciences students.
2. An unencumbered registered nurse (RN) licensure to practice nursing.
3. Completion of a background investigation.
4. Completion of drug screening.
5. Current certification in Basic Life Support (BLS) for health professionals.
6. Verification of physical examination attestation form.
7. Validation of ability to meet the cognitive, affective and psychomotor requirements (Safety and Technical Standards).
8. A minimum of 2000 hours of employment in a direct care setting prior to enrollment in the course NUR 694 Advanced Health Assessment Across the Lifespan and the corresponding health assessment practicums. A minimum of 4000 hours of employment in the care of critically ill newborns/infants prior to enrolling in NUR 615 Advanced Neonatal Assessment/NUR 616 Practicum I: Neonatal Assessment is required (Post-baccalaureate student). A minimum of 2000 hours of direct care in pediatrics prior to enrolling in practicum courses for those entering a pediatric track.
9. Successful completion of undergraduate course in statistics prior to enrollment in NUR 683 Statistics and Data Analysis for Evidence-Based Nursing Practice (Post-baccalaureate student).
10. Successful completion of an undergraduate course or its equivalent in Physical Assessment prior to enrolling in NUR 694 Advanced Health Assessment Across the Lifespan and its corresponding health assessment practicums or NUR 615 Advanced Neonatal Assessment/NUR 616 Practicum I: Neonatal Assessment (Post-baccalaureate student).

DNP Degree Requirements

The post-baccalaureate and post-master's pathways leading to the DNP include a sequence of courses in three (3) major areas: core courses, role core and/or support courses, and advanced specialty role courses. Core courses include learning experiences in statistics, data analysis, research process and utilization, evidence-based practice, ethics, policy, and care management as well as negotiation and conflict resolution.

Role core and/or support courses provide students with a foundation in advanced health assessment across the lifespan and diagnostics, advanced pharmacology across the lifespan, advanced pathophysiology across the lifespan as well as advanced concepts in finance and health care and conflict resolution. Students selecting the clinical systems administrator role option will enroll in business courses related to finance and economics.

Specialty and role courses provide students both classroom and practicum opportunities in the student's specialized role option.

Please note that the number of credit hours in each area is commensurate with the role option and whether the student is enrolled in the post-baccalaureate or post-master's program.

Both post-baccalaureate and post-master's students in the DNP program are required to complete a scholarly project demonstrating synthesis of the knowledge, skills, and attitudes acquired in the core, role support and role specialty courses. The project documents achievement of the program objectives. The project requires that students collaborate with scholars from nursing and other disciplines to design, manage, and evaluate clinical practices and organizational systems. The types of scholarly projects include: quality improvement projects, program development and evaluation, evaluation of new practice models, guidelines, or innovation, and/or participating in faculty research.

Additional courses in cardiovascular, and oncology specialty areas are available for students enrolled in selected nurse practitioner role options. Courses in curriculum, instruction, and educational evaluation are available to all students regardless of their chosen option.

DNP Program Options: Nurse Practitioner:

- Adult-Gerontology Acute Care Nurse Practitioner (p. 140)
- Adult-Gerontology Primary Care Nurse Practitioner (p. 141)
- Family Nurse Practitioner (p. 141)
- Pediatric Acute Care Nurse Practitioner (p. 141)
- Neonatal Nurse Practitioner (p. 142)
- Psychiatric Mental Health Practitioner
- Clinical Systems Administration (p. 142)

Post-Master's to DNP Option

- Post-Master's to DNP Program of Study (http://www.creighton.edu/fileadmin/user/nursing/docs/Plans_of_Study/DNP-PM/Nurse_Practitioner/PM-DNP_-_NP_and_CNS.pdf)

Dual Degree programs

- DNP/MS-NCR Dual degree (p. 128)

Doctor of Nursing Practice: Adult-Gerontology Acute Care Nurse Practitioner

Doctor of Nursing Practice, Adult-Gerontology Acute Care Nurse Practitioner

Research/Theory Core Courses

| | | |
|---------|------------------------------------------------------------------|---|
| NUR 683 | Statistics and Data Analysis for Evidence-Based Nursing Practice | 3 |
| NUR 684 | Epidemiology | 3 |
| NUR 685 | Exploring Evidence for Improving Outcomes | 3 |
| NUR 686 | Evaluative Methods for Evidence-Based Nursing Practice | 3 |
| NUR 899 | DNP Scholarly Project Seminar | 3 |

Leadership/Policy Core Courses

| | | |
|----------------------------|------------------------------------------|-----|
| NUR 687 | Care Management and Outcomes Improvement | 3 |
| MHE 607 | Practical Ethics in Health Care Settings | 3 |
| NUR 704 | Health Care Policy and Law | 2 |
| Three approved NCR Courses | | 6-9 |

Role Support Courses

| | | |
|---------|--------------------------------------------------------------------------|---|
| NUR 607 | Pharmacology Across the Lifespan for Advanced Nursing Practice | 3 |
| NUR 650 | Advanced Pathophysiology Across the Lifespan | 3 |
| NUR 694 | Advanced Health Assessment Across the Lifespan | 3 |
| NUR 692 | Financial Organization of U.S. Healthcare | 2 |
| NUR 732 | Practicum I: Health Assessment of Adults and Older Adults | 1 |
| NUR 756 | Health Promotion and Disease Prevention in the Gerontological Population | 2 |

Speciality and Role Courses

| | | |
|---------|---------------------------------------------------------------|---|
| NUR 718 | Advanced Adult - Gerontology Acute Care Nursing I | 4 |
| NUR 746 | Advanced Adult-Gerontology Acute Care Nursing II | 4 |
| NUR 747 | Advanced Adult-Gerontology Acute Care III | 2 |
| NUR 719 | Practicum II: Adult-Gerontology Acute Care Nurse Practitioner | 1 |
| NUR 749 | Practicum III:Adult-Gerontology Acute Care Nurse Practitioner | 2 |
| NUR 855 | DNP Practicum IV | 2 |
| NUR 856 | DNP Practicum V | 2 |
| NUR 857 | DNP Practicum VI | 3 |
| NUR 902 | DNP Residency | 5 |

Total Credits 68-71

Doctor of Nursing Practice: Adult-Gerontology Primary Care Nurse Practitioner

Doctor of Nursing Practice, Adult-Gerontology Primary Care Nurse Practitioner

Research/Theory Core Courses

| | | |
|---------|------------------------------------------------------------------|---|
| NUR 683 | Statistics and Data Analysis for Evidence-Based Nursing Practice | 3 |
| NUR 684 | Epidemiology | 3 |
| NUR 685 | Exploring Evidence for Improving Outcomes | 3 |
| NUR 686 | Evaluative Methods for Evidence-Based Nursing Practice | 3 |
| NUR 899 | DNP Scholarly Project Seminar | 3 |

Leadership/Policy Core Courses

| | | |
|----------------------------|------------------------------------------|-----|
| NUR 687 | Care Management and Outcomes Improvement | 3 |
| MHE 607 | Practical Ethics in Health Care Settings | 3 |
| NUR 704 | Health Care Policy and Law | 2 |
| Three approved NCR Courses | | 6-9 |

Role Support Courses

| | | |
|---------|--------------------------------------------------------------------------|---|
| NUR 607 | Pharmacology Across the Lifespan for Advanced Nursing Practice | 3 |
| NUR 650 | Advanced Pathophysiology Across the Lifespan | 3 |
| NUR 694 | Advanced Health Assessment Across the Lifespan | 3 |
| NUR 692 | Financial Organization of U.S. Healthcare | 2 |
| NUR 732 | Practicum I: Health Assessment of Adults and Older Adults | 1 |
| NUR 756 | Health Promotion and Disease Prevention in the Gerontological Population | 2 |

Specialty and Role Courses

| | | |
|---------|------------------------------------------------------------------|---|
| NUR 618 | Population-Based Health Care for Advanced Practice Nursing | 3 |
| NUR 714 | Primary Care of Adult-Gerontology | 3 |
| NUR 720 | Primary Care of Adult-Gerontology II | 3 |
| NUR 731 | Primary Care of Adult-Gerontology III | 2 |
| NUR 716 | Practicum II: Adult-Gerontology Primary Care Nurse Practitioner | 1 |
| NUR 724 | Practicum III: Adult-Gerontology Primary Care Nurse Practitioner | 2 |
| NUR 855 | DNP Practicum IV | 2 |
| NUR 856 | DNP Practicum V | 2 |
| NUR 857 | DNP Practicum VI | 3 |
| NUR 902 | DNP Residency | 5 |

Total Credits

69-72

Doctor of Nursing Practice: Family Nurse Practitioner

Doctor of Nursing Practice, Family Nurse Practitioner

Research/Theory Core Courses

| | | |
|---------|------------------------------------------------------------------|---|
| NUR 683 | Statistics and Data Analysis for Evidence-Based Nursing Practice | 3 |
| NUR 684 | Epidemiology | 3 |
| NUR 685 | Exploring Evidence for Improving Outcomes | 3 |
| NUR 686 | Evaluative Methods for Evidence-Based Nursing Practice | 3 |
| NUR 899 | DNP Scholarly Project Seminar | 3 |

Leadership/Policy Core Courses

| | | |
|----------------------------|------------------------------------------|-----|
| NUR 687 | Care Management and Outcomes Improvement | 3 |
| MHE 607 | Practical Ethics in Health Care Settings | 3 |
| NUR 704 | Health Care Policy and Law | 2 |
| Three approved NCR Courses | | 6-9 |

Role Support Courses

| | | |
|---------|--------------------------------------------------------------------------|---|
| NUR 607 | Pharmacology Across the Lifespan for Advanced Nursing Practice | 3 |
| NUR 650 | Advanced Pathophysiology Across the Lifespan | 3 |
| NUR 694 | Advanced Health Assessment Across the Lifespan | 3 |
| NUR 696 | Practicum I: Health Assessment of Individuals Across the Lifespan | 1 |
| NUR 692 | Financial Organization of U.S. Healthcare | 2 |
| NUR 756 | Health Promotion and Disease Prevention in the Gerontological Population | 2 |

Specialty and Role Courses

| | | |
|---------|------------------------------------------------------------|---|
| NUR 618 | Population-Based Health Care for Advanced Practice Nursing | 3 |
| NUR 714 | Primary Care of Adult-Gerontology | 3 |
| NUR 720 | Primary Care of Adult-Gerontology II | 3 |
| NUR 717 | Maternal and Well Child Care Management | 1 |
| NUR 722 | Child Care Management | 2 |
| NUR 715 | Practicum II: Family Nurse Practitioner | 1 |
| NUR 721 | Practicum III: Family Nurse Practitioner | 2 |
| NUR 731 | Primary Care of Adult-Gerontology III | 2 |
| NUR 855 | DNP Practicum IV | 2 |
| NUR 856 | DNP Practicum V | 2 |
| NUR 857 | DNP Practicum VI | 3 |
| NUR 902 | DNP Residency | 5 |

Total Credits

72-75

Doctor of Nursing Practice: Pediatric Acute Care Nurse Practitioner

Doctor of Nursing Practice, Pediatric Acute Care Nurse Practitioner

Research/Theory Core Courses

| | | |
|---------------------------------------|------------------------------------------------------------------|-------|
| NUR 683 | Statistics and Data Analysis for Evidence-Based Nursing Practice | 3 |
| NUR 684 | Epidemiology | 3 |
| NUR 685 | Exploring Evidence for Improving Outcomes | 3 |
| NUR 686 | Evaluative Methods for Evidence-Based Nursing Practice | 3 |
| NUR 899 | DNP Scholarly Project Seminar | 3 |
| Leadership/Policy Core Courses | | |
| NUR 687 | Care Management and Outcomes Improvement | 3 |
| MHE 607 | Practical Ethics in Health Care Settings | 3 |
| NUR 704 | Health Care Policy and Law | 2 |
| Three approved NCR Courses | | 6-9 |
| Role Support Courses | | |
| NUR 607 | Pharmacology Across the Lifespan for Advanced Nursing Practice | 3 |
| NUR 650 | Advanced Pathophysiology Across the Lifespan | 3 |
| NUR 694 | Advanced Health Assessment Across the Lifespan | 3 |
| NUR 664 | Well Child Care Management | 1 |
| NUR 621 | Practicum I: Care of the Well Child | 1 |
| NUR 692 | Financial Organization of U.S. Healthcare | 2 |
| Speciality and Role Courses | | |
| NUR 705 | Advanced Pediatric Acute Care I | 4 |
| NUR 706 | Practicum II: Pediatric Acute Care Nurse Practitioner | 1 |
| NUR 708 | Advanced Pediatric Acute Care II | 4 |
| NUR 709 | Practicum III: Pediatric Acute Care Nurse Practitioner | 2 |
| NUR 711 | Advanced Pediatric Acute Care III | 2 |
| NUR 855 | DNP Practicum IV | 2 |
| NUR 856 | DNP Practicum V | 2 |
| NUR 857 | DNP Practicum VI | 3 |
| NUR 902 | DNP Residency | 5 |
| Total Credits | | 67-70 |

Doctor of Nursing Practice: Neonatal Nurse Practitioner

Doctor of Nursing Practice, Neonatal Nurse Practitioner

Research/Theory Core Courses

| | | |
|---------|------------------------------------------------------------------|---|
| NUR 683 | Statistics and Data Analysis for Evidence-Based Nursing Practice | 3 |
| NUR 684 | Epidemiology | 3 |
| NUR 685 | Exploring Evidence for Improving Outcomes | 3 |
| NUR 686 | Evaluative Methods for Evidence-Based Nursing Practice | 3 |
| NUR 899 | DNP Scholarly Project Seminar | 3 |

Leadership/Policy Core Courses

| | | |
|----------------------------|------------------------------------------|-----|
| NUR 687 | Care Management and Outcomes Improvement | 3 |
| MHE 607 | Practical Ethics in Health Care Settings | 3 |
| NUR 704 | Health Care Policy and Law | 2 |
| Three approved NCR Courses | | 6-9 |

Role Support Courses

| | | |
|------------------------------------|------------------------------------------------------------------------|-------|
| NUR 607 | Pharmacology Across the Lifespan for Advanced Nursing Practice | 3 |
| NUR 650 | Advanced Pathophysiology Across the Lifespan | 3 |
| NUR 752 | Embryology and Genetics of the Developing Newborn | 2 |
| NUR 615 | Advanced Neonatal Assessment | 2 |
| NUR 616 | Practicum I: Neonatal Assessment | 1 |
| NUR 751 | Diagnostic and Therapeutic Procedures for Neonatal Nurse Practitioners | 1 |
| NUR 692 | Financial Organization of U.S. Healthcare | 2 |
| Speciality and Role Courses | | |
| NUR 633 | General Neonatal Management | 2 |
| NUR 639 | Practicum II: Neonatal Nurse Practitioner | 1 |
| NUR 643 | Management of High Risk Neonate I | 4 |
| NUR 644 | Practicum III: Neonatal Nurse Practitioner | 2 |
| NUR 702 | Management of the High Risk Neonate II | 2 |
| NUR 855 | DNP Practicum IV | 2 |
| NUR 856 | DNP Practicum V | 2 |
| NUR 857 | DNP Practicum VI | 3 |
| NUR 902 | DNP Residency | 5 |
| Total Credits | | 66-69 |

Doctor of Nursing Practice: Clinical Systems Administration

Doctor of Nursing Practice, Clinical Systems Administration

Research/Theory Core Courses

| | | |
|---------|------------------------------------------------------------------|---|
| NUR 683 | Statistics and Data Analysis for Evidence-Based Nursing Practice | 3 |
| NUR 684 | Epidemiology | 3 |
| NUR 685 | Exploring Evidence for Improving Outcomes | 3 |
| NUR 686 | Evaluative Methods for Evidence-Based Nursing Practice | 3 |
| NUR 899 | DNP Scholarly Project Seminar | 3 |

Leadership/Policy Core Courses

| | | |
|---------------------------|------------------------------------------|------|
| NUR 687 | Care Management and Outcomes Improvement | 3 |
| MHE 607 | Practical Ethics in Health Care Settings | 3 |
| NUR 704 | Health Care Policy and Law | 2 |
| Four approved NCR Courses | | 8-12 |

Role Support Courses

| | | |
|-------------------------|--------------------------------|---|
| Administrative Elective | | 3 |
| MBA 701 | Financial Reporting for MBAs | 3 |
| MBA 711 | Managerial Finance | 3 |
| MBA 741 | Economic Analysis for Managers | 3 |

Speciality and Role Courses

| | | |
|---------|------------------------------------------------------|---|
| NUR 689 | Organizations As Complex Adaptive Systems | 3 |
| NUR 690 | Practicum: Organizations as Complex Adaptive Systems | 3 |
| NUR 787 | Organizational Transformation | 3 |
| NUR 788 | Practicum: Organizational Transformation | 4 |

| | | |
|---------------|--------------------------------------------|-------|
| NUR 888 | Executive Leadership | 3 |
| NUR 889 | Practicum: Executive Leadership | 4 |
| NUR 895 | Seminar: Clinical Systems Administration | 2 |
| NUR 896 | Residency: Clinical Systems Administration | 4 |
| Total Credits | | 69-73 |

Master of Science in Nursing

The Master of Science in Nursing (MSN) program uses as its foundation the baccalaureate in nursing degree. The MSN curriculum is designed to prepare clinical nurse leaders (advanced generalists) or clinical systems administrators (CSA) and, as a secondary goal, to establish a foundation for future doctoral study in nursing. Emphasis is placed on preparing graduates with advanced competencies in nursing practice and advanced role knowledge to meet the demands of the changing health care environment. Students complete requirements for master's degree core courses, role core and/or support courses, and advanced nursing practice courses.

The number of credit hours for the master's program range from 36-49 credit hours.

The required credit hours for graduation are commensurate with the student's chosen role option. The full and part-time plans of study are available for all options. Detailed Programs of Study (<http://nursing.creighton.edu/academics>) are available for review.

The MSN program at Creighton University is accredited by the Commission on Collegiate Nursing Education (CCNE) (<http://www.aacn.nche.edu/ccne-accreditation>).

MSN Program Objectives

The MSN program is designed to prepare nurses who:

1. Analyze theoretical concepts and knowledge from nursing and other disciplines relevant to advanced nursing practice in the provision and improvement of health care.
2. Assume leadership in designing, managing and implementing quality, cost-effective and innovative services to clients in a variety of health care settings.
3. Incorporate knowledge of population-based care and cultural influences in ensuring appropriate and sensitive health care.
4. Influence health policy formulation and implementation to address socioeconomic and health care issues.
5. Demonstrate proficiency in analyzing and utilizing research from nursing and other relevant disciplines to improve practice.
6. Engage in a systematic process of moral reasoning and values-based dialogue to resolve/address ethical dilemmas/situations.
7. Demonstrate competencies as nurse practitioners, clinical nurse specialists, clinical nurse leaders, or clinical systems administrators.

MSN Admission Requirements

Admission into the MSN Program is based on academic acceptance by the Graduate School. **Academic Acceptance by the Graduate School is based on meeting the following requirements:**

1. A completed application form with a \$50 non-refundable fee.
2. Bachelor of Science degree with a major in nursing from an Accreditation Commission for Education in Nursing (ACEN) or

Commission on Collegiate Nursing Education (CCNE) accredited college or university.

3. An official transcript of all previous academic work at the collegiate level. Applicants must assume the responsibility of requesting the registrar of each institution previously attended to mail or e-mail an official transcript directly to Creighton University Enrollment Services Department.
4. A cumulative GPA of 3.00 on a 4.0 scale. The cumulative GPA is based on all previous academic work at the collegiate level.
5. Three recommendations from persons able to evaluate the applicant's academic potential as well as current potential competency in nursing. One reference should come from a nursing employer or supervisor. Baccalaureate nursing students applying during their last undergraduate semester will be required to provide a reference from their most recent clinical instructor and/or preceptor.
6. A current unencumbered registered nurse (RN) license to practice in the U.S.
7. A personal essay that includes a narrative response to the following item (500 words allowed):
The applicant's educational and professional goals, both short term and long term, and how earning the MSN degree will aid in reaching those goals.
8. A current resume/curriculum vitae that provides evidence of leadership or service experiences.

Applicants who do not meet the above criteria will be considered on an individual basis.

This University is authorized under Federal law to enroll nonimmigrant international students. Ability to speak and write correct grammatical English is imperative. All applicants who are not native speakers of English or who have obtained a high school diploma or degree outside of the United States must present a TOEFL iBT score of at least 100. Scores over 2 years old will not be accepted. Students must ask the ETS (the testing agency) to send original TOEFL scores to Creighton University (institutional code 6121). The College of Nursing reserves the right to require students to re-take the exam. It is also at the discretion of the College of Nursing as to whether a TOEFL score is required of applicants who have earned a college degree from a United States university. Eligible students who have not attained the minimum TOEFL iBT score, may be conditionally admitted to Creighton provided that they enroll in Creighton University's Intensive English Language Institute (IELI) until they obtain the required English proficiency level for admission.

Upon acceptance into the School of Nursing MSN program, students must meet certain conditions of enrollment:

Conditions of Enrollment

1. Completion of required immunizations for all Creighton Health Sciences students.
2. A current, active unencumbered registered nurse (RN) license to practice in the U.S.
3. Completion of a background investigation.
4. Completion of drug screening.
5. Current certification in Basic Life Support (BLS) for health professionals.
6. Verification of physical examination attestation form.
7. Validation of ability to meet the cognitive, affective and psychomotor requirements (Safety and Technical Standards).

8. A minimum of 2000 hours of employment in a direct care setting prior to enrollment in the course NUR 694 Advanced Health Assessment Across the Lifespan and the corresponding health assessment practicums. A minimum of 4000 hours of employment in the care of critically ill newborns/infants prior to enrolling in NUR 615 Advanced Neonatal Assessment/NUR 616 Practicum I: Neonatal Assessment is required.
9. Successful completion of undergraduate course in statistics prior to enrollment in NUR 683 Statistics and Data Analysis for Evidence-Based Nursing Practice.
10. Successful completion of an undergraduate course or its equivalent in Physical Assessment prior to enrolling in NUR 694 Advanced Health Assessment Across the Lifespan and its corresponding health assessment practicums or NUR 615 Advanced Neonatal Assessment/NUR 616 Practicum I: Neonatal Assessment.

MSN Degree Requirements

All graduate students' programs of study include a sequence of courses in three (3) major areas: core courses, role core and/or support courses, and specialty role courses. Core courses include learning experiences in statistics, data analysis, research process and utilization, evidence-based practice, ethics, policy, and care management. Role core and/or support courses provide students selecting the clinical nurse leader (CNL) role option with a foundation in advanced health assessment and diagnostics, advanced pharmacology, advanced pathophysiology as well as advanced concepts in finance and health care.

Students selecting the clinical nurse leader or clinical systems administrator (CSA) role options will enroll in role courses related to finance, policy, negotiation and conflict resolution.

Specialty and role courses provide students both classroom and practicum opportunities in the student's specialized role option. Please note that the number of credit hours in each area is commensurate with the role option.

- Clinical Nurse Leader (p. 144)
- Clinical Systems Administration (p. 144)

Dual Degree Programs

Master of Science in Nursing/Master of Science in Negotiation and Conflict Resolution dual degree program (<http://catalog.creighton.edu/graduate/graduate-programs-courses/nursing/nursing-msn/msn-msncr-dual-degree>).

Master of Science in Nursing: Clinical Nurse Leader

Master of Science in Nursing, Clinical Nurse Leader

Research/Theory Core Courses

| | | |
|---------|------------------------------------------------------------------|---|
| NUR 683 | Statistics and Data Analysis for Evidence-Based Nursing Practice | 3 |
| NUR 685 | Exploring Evidence for Improving Outcomes | 3 |
| NUR 686 | Evaluative Methods for Evidence-Based Nursing Practice | 3 |

Leadership/Policy Core Courses

| | | |
|---------|------------------------------------------|---|
| NUR 687 | Care Management and Outcomes Improvement | 3 |
| MHE 607 | Practical Ethics in Health Care Settings | 3 |

Role Support Courses

| | | |
|---------|----------------------------------------------------------------|---|
| NUR 694 | Advanced Health Assessment Across the Lifespan | 3 |
| NUR 607 | Pharmacology Across the Lifespan for Advanced Nursing Practice | 3 |
| NUR 650 | Advanced Pathophysiology Across the Lifespan | 3 |
| NUR 692 | Financial Organization of U.S. Healthcare | 2 |
| NUR 732 | Practicum I: Health Assessment of Adults and Older Adults | 1 |

One Approved NCR Course 2-3

Specialty and Role Courses

| | | |
|---------|-------------------------------------------------------|---|
| NUR 691 | Practicum II: Care Management and Outcomes Management | 2 |
| NUR 701 | Clinical Nurse Leader Seminar | 1 |
| NUR 700 | Clinical Nurse Leader Residency | 4 |

Total Credits 36-37

Master of Science in Nursing: Clinical Systems Administration

Master of Science in Nursing, Clinical Systems Administration

Research/Theory Core Courses

| | | |
|---------|------------------------------------------------------------------|---|
| NUR 683 | Statistics and Data Analysis for Evidence-Based Nursing Practice | 3 |
| NUR 685 | Exploring Evidence for Improving Outcomes | 3 |
| NUR 686 | Evaluative Methods for Evidence-Based Nursing Practice | 3 |

Leadership/Policy Core Courses

| | | |
|---------|------------------------------------------|---|
| NUR 687 | Care Management and Outcomes Improvement | 3 |
| MHE 607 | Practical Ethics in Health Care Settings | 3 |

Role Support Courses

| | | |
|---------|--------------------------------|---|
| NUR 684 | Epidemiology | 3 |
| MBA 701 | Financial Reporting for MBAs | 3 |
| MBA 741 | Economic Analysis for Managers | 3 |

Four Approved NCR Courses 8-12

Specialty and Role Courses

| | | |
|---------|------------------------------------------------------|---|
| NUR 689 | Organizations As Complex Adaptive Systems | 3 |
| NUR 690 | Practicum: Organizations as Complex Adaptive Systems | 3 |
| NUR 787 | Organizational Transformation | 3 |
| NUR 788 | Practicum: Organizational Transformation | 4 |

Total Credits 45-49

Post-Graduate Certificate in Adult-Gerontology Acute Care Nurse Practitioner

Program Goals

1. Graduates will analyze theoretical concepts and knowledge from nursing and other disciplines relevant to advanced nursing practice in the provision and improvement of health care.

2. Graduates will assume leadership in designing, managing and implementing quality, cost-effective, and innovative services to clients in a variety of health care settings.
3. Graduates will incorporate knowledge of population-based care and cultural influences in ensuring appropriate and sensitive health care.
4. Graduates will influence health policy formulation and implementation to address socioeconomic and health care issues.
5. Graduates will demonstrate proficiency in analyzing and utilizing research from nursing and other relevant disciplines to improve practice.
6. Graduates will engage in a systematic process of moral reasoning and values-based dialogue to resolve/address ethical dilemmas/situations.
7. Graduates will demonstrate competency in an advanced nursing role.

Post-Graduate Certificate in Adult-Gerontology Acute Care Nurse Practitioner

| | | |
|---------|---------------------------------------------------------------|---|
| NUR 718 | Advanced Adult - Gerontology Acute Care Nursing I | 4 |
| NUR 746 | Advanced Adult-Gerontology Acute Care Nursing II | 4 |
| NUR 747 | Advanced Adult-Gerontology Acute Care III | 2 |
| NUR 749 | Practicum III:Adult-Gerontology Acute Care Nurse Practitioner | 2 |
| NUR 750 | Residency: Adult-Gerontology Acute Care Nurse Practitioner | 5 |

Total Credits 17

Post-Graduate Certificate in Clinical Nurse Leader

Program Goals

1. Graduates will analyze theoretical concepts and knowledge from nursing and other disciplines relevant to advanced nursing practice in the provision and improvement of health care.
2. Graduates will assume leadership in designing, managing and implementing quality, cost-effective, and innovative services to clients in a variety of health care settings.
3. Graduates will incorporate knowledge of population-based care and cultural influences in ensuring appropriate and sensitive health care.
4. Graduates will influence health policy formulation and implementation to address socioeconomic and health care issues.
5. Graduates will demonstrate proficiency in analyzing and utilizing research from nursing and other relevant disciplines to improve practice.
6. Graduates will engage in a systematic process of moral reasoning and values-based dialogue to resolve/address ethical dilemmas/situations.
7. Graduates will demonstrate competency in an advanced nursing role.

Post-Graduate Certificate in Clinical Nurse Leader

Role Support Core Courses ¹

| | | |
|---------|----------------------------------------------------------------|---|
| NUR 607 | Pharmacology Across the Lifespan for Advanced Nursing Practice | 3 |
|---------|----------------------------------------------------------------|---|

| | | |
|---------|-----------------------------------------------------------|---|
| NUR 650 | Advanced Pathophysiology Across the Lifespan | 3 |
| NUR 694 | Advanced Health Assessment Across the Lifespan | 3 |
| NUR 732 | Practicum I: Health Assessment of Adults and Older Adults | 1 |

Specialty and Role Courses

| | | |
|---------|----------------------------------------------------------------------------|---|
| NUR 674 | Practicum II: Clinical Nurse Leader (75 clinical hours) | 1 |
| NUR 691 | Practicum II: Care Management and Outcomes Management (150 clinical hours) | 2 |
| NUR 701 | Clinical Nurse Leader Seminar | 1 |
| NUR 700 | Clinical Nurse Leader Residency (300 clinical hours) | 4 |

Total Credits 18

¹ Clinical and course credits MAY be adjusted depending on previous graduate course work. The student will be required to submit verification of previous graduate clinical courses/clinical hours. Additional courses may be needed after transcripts are reviewed.

Note: This program of study includes 60 laboratory hours and 600 supervised clinical practice hours.

Post-Graduate Certificate in Family Nurse Practitioner

Program Goals

1. Graduates will analyze theoretical concepts and knowledge from nursing and other disciplines relevant to advanced nursing practice in the provision and improvement of health care.
2. Graduates will assume leadership in designing, managing and implementing quality, cost-effective, and innovative services to clients in a variety of health care settings.
3. Graduates will incorporate knowledge of population-based care and cultural influences in ensuring appropriate and sensitive health care.
4. Graduates will influence health policy formulation and implementation to address socioeconomic and health care issues.
5. Graduates will demonstrate proficiency in analyzing and utilizing research from nursing and other relevant disciplines to improve practice.
6. Graduates will engage in a systematic process of moral reasoning and values-based dialogue to resolve/address ethical dilemmas/situations.
7. Graduates will demonstrate competency in an advanced nursing role.

Post-Graduate Certificate in Family Nurse Practitioner

| | | |
|---------|--------------------------------------------------------------------------|---|
| NUR 607 | Pharmacology Across the Lifespan for Advanced Nursing Practice | 3 |
| NUR 650 | Advanced Pathophysiology Across the Lifespan | 3 |
| NUR 694 | Advanced Health Assessment Across the Lifespan | 3 |
| NUR 696 | Practicum I: Health Assessment of Individuals Across the Lifespan | 1 |
| NUR 756 | Health Promotion and Disease Prevention in the Gerontological Population | 2 |
| NUR 714 | Primary Care of Adult-Gerontology | 3 |
| NUR 717 | Maternal and Well Child Care Management | 1 |

| | | |
|---------------|------------------------------------------|----|
| NUR 715 | Practicum II: Family Nurse Practitioner | 1 |
| NUR 720 | Primary Care of Adult-Gerontology II | 3 |
| NUR 722 | Child Care Management | 2 |
| NUR 721 | Practicum III: Family Nurse Practitioner | 2 |
| NUR 731 | Primary Care of Adult-Gerontology III | 2 |
| NUR 723 | Residency: Family Nurse Practitioner | 5 |
| Total Credits | | 31 |

Post-Graduate Certificate in Neonatal Nurse Practitioner

Program Goals

1. Graduates will analyze theoretical concepts and knowledge from nursing and other disciplines relevant to advanced nursing practice in the provision and improvement of health care.
2. Graduates will assume leadership in designing, managing and implementing quality, cost-effective, and innovative services to clients in a variety of health care settings.
3. Graduates will incorporate knowledge of population-based care and cultural influences in ensuring appropriate and sensitive health care.
4. Graduates will influence health policy formulation and implementation to address socioeconomic and health care issues.
5. Graduates will demonstrate proficiency in analyzing and utilizing research from nursing and other relevant disciplines to improve practice.
6. Graduates will engage in a systematic process of moral reasoning and values-based dialogue to resolve/address ethical dilemmas/situations.
7. Graduates will demonstrate competency in an advanced nursing role.

Post-Graduate Certificate in Neonatal Nurse Practitioner

| | | |
|---------------|------------------------------------------------------------------------|----|
| NUR 607 | Pharmacology Across the Lifespan for Advanced Nursing Practice | 3 |
| NUR 650 | Advanced Pathophysiology Across the Lifespan | 3 |
| NUR 615 | Advanced Neonatal Assessment | 2 |
| NUR 616 | Practicum I: Neonatal Assessment | 1 |
| NUR 633 | General Neonatal Management | 2 |
| NUR 751 | Diagnostic and Therapeutic Procedures for Neonatal Nurse Practitioners | 1 |
| NUR 639 | Practicum II: Neonatal Nurse Practitioner | 1 |
| NUR 643 | Management of High Risk Neonate I | 4 |
| NUR 644 | Practicum III: Neonatal Nurse Practitioner | 2 |
| NUR 702 | Management of the High Risk Neonate II | 2 |
| NUR 753 | Residency: Neonatal Nurse Practitioner | 5 |
| Total Credits | | 26 |

Post-Graduate Certificate in Pediatric Acute Care Nurse Practitioner

Program Goals

1. Graduates will analyze theoretical concepts and knowledge from nursing and other disciplines relevant to advanced nursing practice in the provision and improvement of health care.
2. Graduates will assume leadership in designing, managing and implementing quality, cost-effective, and innovative services to clients in a variety of health care settings.
3. Graduates will incorporate knowledge of population-based care and cultural influences in ensuring appropriate and sensitive health care.
4. Graduates will influence health policy formulation and implementation to address socioeconomic and health care issues.
5. Graduates will demonstrate proficiency in analyzing and utilizing research from nursing and other relevant disciplines to improve practice.
6. Graduates will engage in a systematic process of moral reasoning and values-based dialogue to resolve/address ethical dilemmas/situations.
7. Graduates will demonstrate competency in an advanced nursing role.

Post-Graduate Certificate in Pediatric Acute Care Nurse Practitioner

| | | |
|---------------|--------------------------------------------------------|----|
| NUR 705 | Advanced Pediatric Acute Care I | 4 |
| NUR 706 | Practicum II: Pediatric Acute Care Nurse Practitioner | 1 |
| NUR 708 | Advanced Pediatric Acute Care II | 4 |
| NUR 709 | Practicum III: Pediatric Acute Care Nurse Practitioner | 2 |
| NUR 711 | Advanced Pediatric Acute Care III | 2 |
| NUR 712 | Residency: Pediatric Acute Care Nurse Practitioner | 5 |
| Total Credits | | 18 |

Occupational Therapy

Program Director: Angela Patterson, OTD, OTR/L

Graduate Study in Occupational Therapy

The Master of Science in Occupational Therapy will provide foreign trained occupational therapists that have graduated from a World Federation of Occupational Therapy (WFOT) accredited program an advanced degree in clinical occupational therapy practice, leadership, and education. The program will help prepare and advance foreign trained rehabilitation professionals' clinical and academic skills and knowledge to become effective leaders in their respective organizations. The clinical focus of the Master of Science in Occupational Therapy is on the occupational therapy role in musculoskeletal, neurological, and psychosocial disorders across the lifespan. The academic focus of the degrees is to prepare and facilitate the development of the rehabilitation clinical scholar in academic and healthcare environments to assume leadership roles as faculty, managers, and clinical experts.

Program Goals

1. Expand and refine foreign trained and baccalaureate prepared rehabilitation professionals' clinical skills and healthcare knowledge.
2. Enhance foreign trained and baccalaureate prepared rehabilitation professionals' knowledge and skills in designing, implementing, and evaluating clinical interventions, program development, and service delivery across the lifespan.
3. Prepare foreign trained and baccalaureate prepared rehabilitation professionals to assume roles as clinical scholars, to be critical research consumers, and collaborative research conductors.
4. Advance knowledge and skills of foreign trained and baccalaureate prepared rehabilitation professionals' in client centered and evidence based interprofessional and ethical practice.
5. Facilitate foreign trained and baccalaureate prepared rehabilitation professionals' understanding of the role of the occupational therapist in global healthcare systems, institutions, and public agencies.
6. Prepare foreign trained and baccalaureate prepared rehabilitation professionals to assume educational roles as leaders in the academic, clinical, and community settings.
7. Develop and demonstrate foreign trained and baccalaureate prepared rehabilitation professionals' understanding of leadership theory and application to assume leadership roles nationally and internationally.

Admissions Requirements

Preferred candidates for the Master of Science in Occupational Therapy will be graduates of a WFOT accredited foreign (non-U.S.) occupational therapy program with a bachelor's degree in occupational therapy.

1. **Completed application** and non-refundable **\$50 application fee**
2. **Two letters of recommendation** (please use the electronic recommendation process with the online application). The recommendations should be completed and submitted by persons other than family members who are qualified to assess your performance in an academic or work setting.
3. **Personal Statement** (minimum two pages; no longer than four pages): Based on your CV/Resume and your other application materials, we should have a good picture of where you have been and what you have done, with a focus on the goals you have set for yourself, and why this program is a good fit for you.
4. **Resume**
5. **Bachelor's degree and transcripts in English** for all bachelor's and post-bachelor's coursework, sent directly from the issuing school and containing the institution's official stamp.
6. **Test of English as a Foreign Language (TOEFL) or International English Language Testing System (IELTS)**: All international applicants from countries in which English is not the primary language must demonstrate proficiency in English language by submitting a minimum TOEFL score of 72 iBT (200 CBT/533 PBT) or IELTS score of 6.0.

M.S. in Occupational Therapy (p. 147)

Master of Science in Occupational Therapy

First Year

| Semester 1 | Credits |
|------------------------------------------------------|---------|
| MSR/MSOT 503 Introduction to Occupational Therapy | 3 |
| MSR/MSOT 603 Physical Rehabilitation I | 3 |
| MSR/MSOT 613 Rehabilitation with Older Adults | 3 |
| <hr/> | |
| Term Credits | 9 |

Semester 2

| | |
|--------------------------------------------------------|---|
| MSR/MSOT 553 Research | 3 |
| MSR/MSOT 623 Physical Rehabilitation II | 3 |
| MSR/MSOT 633 Rehabilitation with Children and Youth | 3 |
| <hr/> | |
| Term Credits | 9 |

Second Year

Semester 1

| | |
|----------------------------------------------------|---|
| MSR/MSOT 513 Healthcare Advocacy and Leadership | 3 |
| MSR/MSOT 533 Mental Health | 3 |
| MSR/MSOT 643 UE Orthopedics | 3 |
| <hr/> | |
| Term Credits | 9 |

Semester 2

| | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|----|
| MSR/MSOT 543 Instructional Methods | 2 |
| MSR/MSOT 653 Research Project | 1 |
| MSOT 673 Experiential Education for Master of Science in Occupational Therapy or 673 Experiential Education Master of Science in Occupational Therapy | 6 |
| <hr/> | |
| Term Credits | 9 |
| <hr/> | |
| Total Credits: | 36 |

Oral Biology

Program Co-Directors: Neil S. Norton and Barbara J. O'Kane
Program Office: Boyne 380

Graduate Study in Oral Biology

The graduate program in Oral Biology is a program of study culminating in the Master of Science degree. The proposed program is flexible and will foster an interdisciplinary approach using School of Dentistry research, courses and facilities to cater to the needs of individual students. A research project will be required. The program will be geared towards providing a sound didactic basis for students interested in pursuing dentistry as a profession. It will also provide research opportunities and teaching experience in an effort to model graduate students for an academic career as clinician educators and academic dentists.

The program will provide a choice of two tracks of study. The first will be in dental materials and include didactic and research emphasis in modern materials science. The second will be in oral biology and emphasize didactic and research in anatomical sciences and histology. Both tracks will equip students to analyze research and clinical literature. Both will also provide an opportunity in the second year to teach in 1st year pre-doctoral dental laboratory courses.

Program Goals

At the time of the completion of the program the graduates will be able to meet the following objectives:

1. Demonstrate disciplinary competence and proficiency in Oral Biology with a global perspective on Oral Health and dentistry to provide a service to others.
2. Demonstrate an ability to combine critical thinking, research and problem solving in Oral Biology.
3. Demonstrate ethical decision making, service and responsibility in accordance with the Judeo-Christian tradition and Ignatian values.
4. Demonstrate the ability to work effectively as mentees and mentors across the distinctions of the diverse faculty, students and staff involved in the graduate experience.
5. Respectfully and effectively communicate information through all modes of expression.
6. Demonstrate deliberative reflection for lifelong personal and professional formation.

Degrees in Oral Biology

- Master of Science with a Major in Oral Biology - Dental Materials Track (p. 149)
- Master of Science with a Major in Oral Biology - Anatomical Sciences Track (p. 149)

Courses

MOB 500. Dental Materials/Dental Anatomy Lecture I. 2 credits.

The fundamentals of dental materials science will be presented as it applies to clinical and laboratory dental applications. The physical properties and the rationale for material selection as dictated by intended use will be presented. An orientation to dental anatomy will be reviewed to create the basis for applying restorative materials to tooth form and function.

MOB 501. Dental Materials/Dental Anatomy Laboratory I. 2 credits.

Specific dental laboratory projects will be accomplished to allow the student to become familiar with the handling characteristics of the dental materials presented in lecture. This will help to ensure competent use of commonly used dental materials at the clinical level. These exercises are also designed to improve manual dexterity and eye-hand coordination.

MOB 502. Polymer Chemistry. 3 credits.

The goal of this course is to expose students to the fundamentals of polymer chemistry. The course will focus on some of the key synthetic methods and physical properties of polymers. Practical applications of polymer chemistry in society will be a theme throughout the course.

MOB 503. Special Problems in Dental Materials I. 1 credit.

Topics of interest to the student, literature review, development of research protocol.

MOB 504. Dental Materials Dental Lecture II. 2 credits.

Composition and properties of materials in dentistry.

MOB 505. Dental Materials Dental Lab II. 1 credit.

Application of materials used in dentistry with an emphasis on restorative material application.

MOB 506. Introduction to Biostatistics and Its Applications. 2 credits.

Organizing and summarizing; elementary probability; sampling distributions, confidence intervals; hypothesis testing using parametric and non-parametric methods; sample size and power; regression and correlation; analysis of variance; experimental design principles and analysis.

MOB 507. Polymer Chemistry Laboratory. 3 credits.

The goal of this course is to expose students to the fundamentals of polymer syntheses and characterization. The course will focus on some of the key synthetic methods for making plastics and the characterization techniques for determining the physical properties of the polymers.

MOB 508. Special Problems in Dental Materials II. 1 credit.

Topics of interest to the student, literature review, development of research protocol.

MOB 509. General Gross Anatomy. 4 credits.

Basic instruction in the gross anatomy of the upper extremity, thorax, and abdomen. This class is taught primarily by lecture, laboratory dissection, models, radiographic images, and various multimedia resources. Students are expected to meet with the instructors to complete additional requirements in current clinically relevant topics.

MOB 510. Histology. 3 credits.

Microscopic anatomy of normal mammalian and/or human tissues and organs. Light and electron microscopic aspects of the tissues and organs are studied. The developmental anatomy of the organ systems will also be presented. Students are expected to meet with the instructors to complete additional requirements in current clinically relevant topics.

MOB 511. Special Problems in Oral Biology. 1 credit.

Topics of interest to the student, literature review, development of research protocol.

MOB 512. Head and Neck Anatomy/Teaching Techniques. 3 credits.

Basic instruction in the Gross Anatomy of the Head and Neck. Special emphasis is placed on the clinical application of the anatomy to the various dental disciplines. Such topics include the anatomy and pathology of the TMJ and the distribution of the trigeminal and facial nerves with associated applied anatomy. This course is taught by lecture, laboratory dissection, models, radiographic images (x-rays, MRIs, and CTs), and various multimedia resources. Students are expected to meet with the instructors to complete additional requirements in current clinically relevant topics.

MOB 513. Oral Histology and Embryology. 3 credits.

Microscopic and developmental anatomy of the normal cells, tissues, and organs of the oral cavity with stress on teeth and related tissues. Emphasis will be given to the growth and development of the head and neck. Students are expected to meet with the instructors to complete additional requirements in current clinically relevant topics.

MOB 514. Introduction to Biostatistics and Its Applications. 2 credits.

Organizing and summarizing; elementary probability; sampling distributions, confidence intervals; hypothesis testing using parametric and non-parametric methods; sample size and power; regression and correlation; analysis of variance; experimental design principles and analysis.

MOB 515. Special Problems Oral Biology II. 1 credit.

Topics of interest to the student, literature review, development of research protocol.

MOB 600. Teaching Practicum in Dental Materials. 2 credits.

By assisting in the laboratory classroom teachers and working with students one-on-one in small groups, students will gain knowledge and skills to be successful in teaching Dental Materials. The practicums are an opportunity to place into practice theories and approaches explored during first year coursework. Instructional methods and teaching aids for the teaching of biomaterials science to dental students dental hygiene students and Oral Biology graduate students.

MOB 601. Mechanical Behavior of Materials. 2 credits.

Principals of mechanical damage in materials, elastic and plastic deformation, creep strength fracture and fatigue hardness and wear resistance mechanical test methods and failure analysis.

MOB 602. Special Problems Dental Materials III. 1 credit.

Topics of interest to the student, literature review.

MOB 603. Research for the Master's Thesis. 3 credits.**MOB 604. Teaching Practicum in Dental Materials. 2 credits.**

By assisting in the laboratory classroom teachers and working with students one-on-one in small groups, students will gain knowledge and skills to be successful in teaching Dental Materials. The practicums are an opportunity to place into practice theories and approaches explored during first year coursework.

MOB 605. Advanced Biomaterials Science. 2 credits.

Properties and applications of ceramics and glasses in dentistry. Ceramics for inlays onlays and veneers, crowns and denture teeth, core ceramics metal ceramics, ceramics for implants machinable ceramics, hydroxyapatite.

MOB 606. Special Problems in Dental Materials IV. 1 credit.

Topics of interest to the student, literature review.

MOB 607. Teaching Practicum In General Gross Anatomy. 3 credits.

By assisting in the laboratory classroom teachers and working with students one-on-one in small groups, students will gain knowledge and skills to be successful in teaching General Gross Anatomy. The practicums are an opportunity to place into practice theories and approaches explored during first year coursework. Students complete a 5-week intensive course with a supervising instructor in order to refine and expand upon their teaching skills. Students are expected to meet all professional responsibilities including attendance, punctuality, appearance and professional relationships.

MOB 608. Teaching Practicum in Histology. 1 credit.

By assisting in the laboratory classroom teachers and working with students one-on-one in small groups, students will gain knowledge and skills to be successful in teaching Histology. The practicums are an opportunity to place into practice theories and approaches explored during first year coursework.

MOB 609. Special Problems in Oral Biology III. 1 credit.

Topics of interest to the student, literature review.

MOB 610. Teaching Practicum in Head & Neck Anatomy. 3 credits.

By assisting in the laboratory classroom teachers and working with students one-on-one in small groups, students will gain knowledge and skills to be successful in teaching Head & Neck Anatomy. The practicums are an opportunity to place into practice theories and approaches explored during first year coursework.

MOB 611. Teaching Practicum in Oral Histology & Embryology. 1 credit.

By assisting in the laboratory classroom teachers and working with students one-on-one in small groups, students will gain knowledge and skills to be successful in teaching Oral Histology and Embryology. The practicums are an opportunity to place into practice theories and approaches explored during first year coursework.

MOB 612. Special Problems in Oral Biology IV. 1 credit.

Topics of interest to the student, literature review.

MOB 700. Research for the Master's Thesis. 3-6 credits.

This course can be repeated to a maximum of six credits.

Master of Science, Major in Oral Biology - Anatomical Sciences Track

M.S., Major in Oral Biology: Anatomical Science track course requirements (35 credits):

| | | |
|---------------|----------------------------------------------------|----|
| MOB 509 | General Gross Anatomy | 4 |
| MOB 510 | Histology | 3 |
| MOB 511 | Special Problems in Oral Biology | 1 |
| MOB 512 | Head and Neck Anatomy/Teaching Techniques | 3 |
| MOB 513 | Oral Histology and Embryology | 3 |
| MOB 514 | Introduction to Biostatistics and Its Applications | 2 |
| MOB 515 | Special Problems Oral Biology II | 1 |
| MOB 607 | Teaching Practicum In General Gross Anatomy | 3 |
| MOB 608 | Teaching Practicum in Histology | 1 |
| MOB 700 | Research for the Master's Thesis | 3 |
| MOB 610 | Teaching Practicum in Head & Neck Anatomy | 3 |
| MOB 611 | Teaching Practicum in Oral Histology & Embryology | 1 |
| MOB 612 | Special Problems in Oral Biology IV | 1 |
| MOB 700 | Research for the Master's Thesis | 6 |
| Total Credits | | 35 |

Master of Science, Major in Oral Biology - Dental Materials Track

M.S., Major in Oral Biology: Dental Materials track course requirements (36 credits):

| | | |
|---------|----------------------------------------------|---|
| MOB 500 | Dental Materials/Dental Anatomy Lecture I | 2 |
| MOB 501 | Dental Materials/Dental Anatomy Laboratory I | 2 |

| | | |
|---------------|----------------------------------------------------|----|
| MOB 502 | Polymer Chemistry | 3 |
| MOB 503 | Special Problems in Dental Materials I | 1 |
| MOB 504 | Dental Materials Dental Lecture II | 2 |
| MOB 505 | Dental Materials Dental Lab II | 1 |
| MOB 506 | Introduction to Biostatistics and Its Applications | 2 |
| MOB 507 | Polymer Chemistry Laboratory | 3 |
| MOB 508 | Special Problems in Dental Materials II | 1 |
| MOB 600 | Teaching Practicum in Dental Materials | 2 |
| MOB 601 | Mechanical Behavior of Materials | 2 |
| MOB 602 | Special Problems Dental Materials III | 1 |
| MOB 603 | Research for the Master's Thesis | 3 |
| MOB 604 | Teaching Practicum in Dental Materials | 2 |
| MOB 605 | Advanced Biomaterials Science | 2 |
| MOB 606 | Special Problems in Dental Materials IV | 1 |
| MOB 700 | Research for the Master's Thesis | 6 |
| Total Credits | | 36 |

Organizational Leadership, M.S.

Program Director: Gretchen Oltman, J.D., Ph.D.
Program Office: Reinert Alumni Library, 2nd Floor

Mission Statement

The mission of the interdisciplinary Master of Science in Organizational Leadership is centered on developing moral and ethical leaders who use their skills to promote social justice, societal and organizational change for a greater and more just tomorrow. Guided by the Jesuit tradition of continual self-reflection and discernment, the program is built on an experiential leadership model that develops creative and innovative professional skills. In consultation with leaders from various industry, business, government, and non-profit organizations, students develop practical application of professional knowledge, skills, and behavior. With increasing self-knowledge, students are empowered to work mindfully toward meeting the needs of their community and workplace, while demonstrating proficiency in written and oral communication skills.

Program faculty and students are drawn from a variety of disciplines and professions and as such provide a rich interdisciplinary learning community for understanding the nature and role of interdisciplinary work in today's world. The collaborative learning community is shaped by the Jesuit ideals of academic excellence, respect for human dignity, and a faith that does justice.

Vision Statement

The vision for graduates is that they will have internalized and practiced the skills through experience and active learning to lead collaboratively, proficiently, and effectively, and guide their efforts at personal and organizational change.

- Leaders who experience, appreciate, and are prepared to pursue life-long learning in an applied, collaborative team environment.
- Leaders who possess moral courage to strive for a more just society
- Leaders who possess skills to innovate, adapt, and act in a changing world.
- Leaders who develop professionally by putting theory into practice through a process of formation using continual self-reflection.
- Leaders who communicate effectively across different organizations.

- Leaders who use practical reasoning and teamwork to solve complex problems.

Learning Outcomes

- Apply leadership concepts to enhance critical thinking and problem solving in real world settings.
- Demonstrate advancing leadership skills in order to allow individuals to lead across disciplines and environments.
- Apply collaborative skills to leadership processes.
- Demonstrate ethical leadership skills in accordance with Ignatian values.
- Demonstrate effective communication skills for personal and organizational leadership.
- Demonstrate deliberate reflective practice as a means for professional formation.

Admissions Requirements

- Minimum of 2 years work experience*
- Minimum undergraduate GPA of at least a 3.00*
- *Work experience and/or GPA requirement can be waived if student graduated from Creighton's Bachelor's Leadership Program (BiLS) or with a faculty interview.
- Two letters of recommendation
- All international applicants from countries in which English is not the primary language must demonstrate proficiency in English by submitting a minimum TOEFL score of at least 90 ibt.

Degrees in Organizational Leadership

- M.S. - Organizational Leadership (p. 151)
- Dual Degree M.S. - Organizational Leadership/M.S. - Negotiation and Conflict Resolution (p. 127)

Graduate Certificate

- Organizational Leadership (p. 151)

Courses

MSL 600. Leadership Theory, Application and Reflection. 2 credits.

An introduction to leadership principles and development of leadership in action. This course focuses on building an understanding of leadership through the lens of the Jesuit mission and values with the application of reflection. Historic and theoretical leadership principles are studied along with the ethics of excellent leadership practices.

MSL 601. Strategic Orienteering and Execution Tactics. 3 credits.

This course integrates traditional strategic planning and thinking into action through data driven problem solving and decision-making. Students will use the application of portfolio/project management and evaluation from a leader's standpoint in aligning the development of a strategic vision towards a sustainable competitive advantage.

MSL 602. Communicating and Leading Across Cultures. 3 credits.

Students will explore interpersonal and organizational communications. Culture is conceptualized as dynamic and broad - including not only nation-states, but also organizations and groups of diverse social identities such as gender, race, social class and age. Students examine how communication both shapes and is shaped by culture.

MSL 603. Innovation and Adaptive Change. 3 credits.

Student will study leadership and management best practices that encourage innovative thinking in organizations including disruptive technologies, innovation, persuasive techniques, and decision-making under conditions of high uncertainty. Students will also gain greater understanding of power and politics in organizations and crisis management in both small and large organizations.

MSL 604. Approaches to Human Capital. 3 credits.

An interdisciplinary study of managing human capital including employee selection and management, mentoring programs, and team dynamics. Issues of human capital development and succession planning are also studied.

MSL 620. Leadership and Group Dynamics. 3 credits.

This course focuses on how and why leaders can effectively manage and facilitate group cohesion and development, structure, power in groups, group decision making characteristics and conflict resolution.

MSL 621. Cultural Dynamics of Leadership. 3 credits.

Students examine leadership theories through a lens of diversity, equity, and social justice. With an emphasis on inclusivity, this course explores how an ever-changing society presents opportunities and challenges for today's leaders. A historical perspective is provided to contextualize theory and practice. Students consider how diverse leadership styles are shaped by cultural values, perceptions, and context.

MSL 622. Humility and Leadership. 3 credits.

This course examines the concept of humility in leadership and its role within an organization. Topics include benefits of a humble leadership style, identifying key traits of a humble leader, humility as a personal growth strategy and possible challenges associated with being a humble leader.

MSL 623. Developing Tomorrow's Leaders. 3 credits.

This course provides students the opportunity to explore the concept of formal leadership development programs across disciplines. Students will analyze and compare formal leadership development programs. Additionally, students will design a formal leadership development program which can be implemented within their professional practice setting.

MSL 624. Leadership and Well-Being. 3 credits.

As employee or leader, well-being decisions comprise our daily lives. This course examines well-being from two unique but interconnected perspectives. Students will look internally to discern their personal well-being strategy as an emerging leader and then look externally to consider how to improve employee well-being within their organization.

MSL 625. Interpersonal Power and Politics. 3 credits.

This course facilitates the development leadership skills in the areas of interpersonal political skills and how to use them to promote positive change within organizations and society. Students will learn about leadership and power not only within themselves, but also within others. They will also contemplate how to live with a non-anxious presence, empowering themselves with a balanced perspective of power within our world. Finally, students will develop skills that empower them in practice.

MSL 790. Leadership Capstone. 3 credits.

This capstone course requires students to apply the core theories and concepts in the Masters of Science in Leadership program through the creation of a Personal Leadership Philosophy Project. Students will also actively engage with Ignatian spirituality and apply the Jesuit values to their personal leadership philosophy. P: All core and elective courses must be complete or by permission of Program Director.

Master of Science, with a Major in Organizational Leadership

M.S., Organizational Leadership Requirements (36 credits)

Program Core Courses

| | | |
|-----------|-----------------------------------------------|----|
| MSL 600 | Leadership Theory, Application and Reflection | 2 |
| GRD 601 | Writing for Graduate Students | 1 |
| MSL 601 | Strategic Orienteering and Execution Tactics | 3 |
| MSL 602 | Communicating and Leading Across Cultures | 3 |
| MSL 603 | Innovation and Adaptive Change | 3 |
| MSL 604 | Approaches to Human Capital | 3 |
| MSL 790 | Leadership Capstone | 3 |
| Electives | | 18 |

Students must complete 18 graduate-level credits consisting of courses in: Leadership, Business, Health Care Ethics, Health Care Leadership, Medical Anthropology, Negotiation and Conflict Resolution, and/or Public Health. Due to the variety of electives available each term, students should contact the Program Director for specific offerings each semester.

Total Credits 36

Graduate Certificate in Organizational Leadership

Graduate Certificate in Organizational Leadership (15 credits)

| | | |
|---------|-----------------------------------------------|---|
| GRD 601 | Writing for Graduate Students | 1 |
| MSL 600 | Leadership Theory, Application and Reflection | 2 |
| MSL 601 | Strategic Orienteering and Execution Tactics | 3 |
| MSL 602 | Communicating and Leading Across Cultures | 3 |
| MSL 603 | Innovation and Adaptive Change | 3 |
| MSL 604 | Approaches to Human Capital | 3 |

Total Credits 15

Pharmaceutical Sciences

Program Director: Somnath Singh, B. Pharm., M. Pharm., Ph.D.
Program Office: Hixson-Lied Science Building, Room 119

Graduate Study in Pharmaceutical Sciences

The graduate program in Pharmaceutical Sciences encompasses a multi-disciplinary approach to graduate training, culminating in the M.S. degree. The program is administered by the Department of Pharmacy Sciences, School of Pharmacy and Health Professions and the Department of Pharmacology, School of Medicine.

The program of study leads either to a joint (dual track) Doctor of Pharmacy (Pharm.D.)/M.S. or to an M.S. degree only. Two types of students are envisioned as entrants in this program. The first type consists of students who possess a B.S. degree in pharmacy or a biological, physical or chemical science and wish to further their

education in an advanced degree program. The second type consists of students who are currently enrolled in Creighton's Pharm.D. program who want to obtain an additional advanced academic degree during the course of their studies. The program of study is tailored to the individual needs of each student and is based on the background and career objectives of each student. Students are expected to complete a series of required and elective courses and to perform original research. Furthermore, students are required to submit a thesis based on the outcome of their research. The program provides opportunity for students to specialize in the following areas: pharmacology, toxicology, pharmaceuticals, pharmacokinetics, medicinal chemistry, and social and administrative pharmacy. In addition, the program encourages student interactions with faculty in the Departments of Biomedical Sciences, Medical Microbiology and Immunology & Chemistry.

Program Goals

At the time of the completion of the program the graduates will be able to meet the following objectives:

1. Demonstrate competence in advanced knowledge in pharmaceutical sciences.
2. Illustrate the ability to analyze and interpret data, design and conduct research in their field of expertise.
3. Effectively communicate scientific information both orally and in writing to scientists and non scientists.
4. Apply analytical and critical thinking in reviewing literature.
5. Exhibit professionalism and the highest ethical standards.

Admission Requirements

1. A Bachelor's degree or its equivalent from an accredited college or university.
2. Students who are in the Pharm.D. program must be admitted into the Graduate School in order to participate in the joint Pharm.D./M.S. program in pharmaceutical sciences.
3. An overall GPA of 3.0 and the GRE score are required for all applicants.
4. The Graduate School requires all students from countries in which English is not the native language to demonstrate competence in English by obtaining either a minimum overall TOEFL (Test of English as a Foreign Language) score of 90 (no sub score lower than 20) or IELTS (International English Language Testing System) academic version band score of 6.5 (no sub-score lower than 6).

Degrees in Pharmaceutical Sciences

- Master of Science in Pharmaceutical Sciences (p. 154)
- Master of Science/Doctor of Pharmacy (p. 155)

Courses

MPS 509. Industrial Pharmacy. 3 credits.

This course will prepare students to design, manufacture and evaluate different pharmaceutical dosage forms in an industrial environment. The course content will include preformulation studies, formulation of liquid and solid oral pharmaceutical dosage forms, recent advances and trends in controlled or sustained release formulations, drug regulatory affairs and current good manufacturing practices. P: PHA 317.

MPS 531. Chemical Basis Drug Action I. 3 credits.

This course instructs the student on the chemical basis for drug behavior, both in vivo and in vitro. General chemical principles, physicochemical properties, and drug-receptor interactions are used to derive structure-activity relationships for important and commonly encountered classes of drugs. This permits the understanding of pharmacological and biopharmaceutical profiles of currently available drug products, and explains the scientific rationale behind their therapeutic use. Chemically based therapeutic case studies and structurally based therapeutic evaluations are utilized to help students develop a scientific basis for rational therapeutic decision-making. This practice-oriented approach, which emphasizes the relevance of chemistry to contemporary pharmacy practice, gives students the skills necessary to predict biological properties and therapeutic activities of future drug molecules. This course builds upon previously acquired knowledge of biochemistry, pharmaceuticals and basic pharmaceutical sciences principles, and compliments concepts being addressed in pharmacology. P: BMS 301.

MPS 532. Chemical Basis Drug Action II. 2 credits.

A continuation of MPS 531/PHA 337.

MPS 543. Basic Pharmacokinetics. 2 credits.

Pharmacokinetics is the mathematics of the time course of Absorption, Distribution, Metabolism, and Excretion (ADME) of drugs in the body. The biological, physiological, and physicochemical factors which influence the transfer processes of drugs in the body also influence the rate and extent of ADME of those drugs in the body. In many cases, pharmacological action, as well as toxicological action, is related to plasma concentration of drugs. Consequently, through the study of pharmacokinetics, the pharmacist will be able to individualize therapy for the patient.

MPS 544. Introduction to Research Methods and Biostatistics. 3 credits.

Students will identify and interpret research questions, hypotheses, variables, sampling methods, research designs, as well as, descriptive and inferential statistics. The emphasis is to evaluate and assess the validity and significance of these research components so there is appropriate interpretations of research results. The goal is for students to become critical readers and users of research so they can practice evidence-based pharmacy and contribute to pharmacy's knowledge base. Students will learn to interpret the validity and the statistics of a research report, but will not necessarily learn to conduct research or perform statistical calculations.

MPS 600. Ocular Pharmacology. 2 credits.

Utilization of knowledge of physiology, biochemistry and anatomy of the eye to develop an understanding of etiology and pharmacological therapy of various ocular diseases. Course content will include a review of anatomy, physiology and biochemistry of the eye, pharmacokinetics and drug delivery relevant to ocular therapy, etiology and pharmacological treatment of ocular diseases such as glaucoma, uveitis, cataract, retinopathy and age-related macular degeneration and cataract. Ocular effects of systemic drugs and ophthalmic toxicology will be examined, in addition to examining advances in ocular therapies.

MPS 601. Parental Drug Dosages Forms. 3 credits.

Parental Drug Products incorporates basic theory and practical experience in the preparation, handling, and dispensing of sterile dosage forms including proper aseptic preparation of parenteral chemotherapeutic agents, and specialty solutions. U.S.P. Chapter 979 will be thoroughly reviewed and discussed. Parental access devices, electronic delivery devices and other related equipment are also reviewed.

MPS 602. Analytic Aspects of Pharmaceutical Sciences Research. 3 credits.

This course covers the theory, instrumentation and application of commonly used laboratory equipments, including, absorption spectroscopy (UV, visible and infrared); mass spectroscopy (MS), high pressure liquid chromatography (HPLC) and nuclear magnetic resonance (NMR), amongst others. The course will combine lectures with hands-on laboratory exercises/demonstrations by Pharmacy Sciences faculty.

MPS 603. Introduction to Pharmaceutical Materials Science. 1 credit.

This course provides an introduction to the excipients and inactive ingredients involved in pharmaceutical preparations. The physicochemical, toxicologic, and regulatory properties of common excipients will be discussed. In addition, the functional roles of common pharmaceutical excipients will be discussed.

MPS 617. Advanced Pharmaceutics. 3 credits.

This course will provide an in-depth study of the physical and chemical principles which are involved in the development, formation and stabilization of selected pharmaceutical dosage forms for optimization of drug bioavailability and therapeutic utility.

MPS 621. Health Systems and Patient Safety. 3 credits.

This course examines structural, economic, service delivery, professional, and patient factors influencing contemporary pharmacy practice. This course emphasizes development of a culture of best practices in patient safety. Included are concepts of safe patient care systems as well as public health principles and practices in the context of public responsibility.

MPS 622. Advanced Medicinal Chemistry. 3 credits.

This course will build upon the scientific foundation laid by the Chemical Basis of Drug Action professional course sequence. The structure-activity relationships of complex drug molecules will be investigated and discussed. Students as well as faculty will be involved in presenting information on the chemically important aspects of drug delivery, stability, receptor affinity and selectivity, metabolic vulnerability and distribution.

MPS 633. Research Methods. 1-3 credits.

Laboratory rotations in which graduate students perform or observe methods used in pharmaceutical and administrative sciences research. The value of the methods and their applications to the research efforts of the pharmaceutical sciences faculty are described in detail. P: DC.

MPS 634. Pharmaceutical Dosage Forms and Drug Delivery Systems. 3 credits.

Basic principles of pharmaceutical dosage forms and drug delivery systems are taught with respect to formulating drugs for bioavailability enhancement and drug targeting. Pertinent pharmaceutical examples that are discussed include: Oral, parenteral, transdermal, aerosol, etc., with emphasis placed on their importance, formulation considerations and ongoing research.

MPS 643. Ophthalmic Pharmacodynamics. 2 credits.

This course will provide instruction on both basic and clinical principles of drug action in the eye. A review of anatomy, physiology, and biochemistry of the ocular system will provide the essential background necessary for understanding the mechanism of drug action in the eye. Pharmacokinetic and toxicological principles relevant to the ocular system will also be reviewed. The use of drugs in the treatment of diseases of the eye such as uveitis, cataracts and glaucoma will be discussed. P: MPS 631/PHR 631; MPS 632/PHR 632.

MPS 645. Qualitative Methods in Research. 2 credits.

This course covers the theory and application of qualitative research methods approaches needed in health care. Two qualitative approaches: grounded theory and case study, are developed with greater depth. Field observation skills are developed.

MPS 646. Mixed Methods in Research. 2 credits.

This course covers the theory and application of mixed methods research approaches to conduct cross, inter and transdisciplinary research projects designed to address complex problems in the health care environment.

MPS 652. Pharmacoeconomics. 3 credits.

This course introduces fundamental pharmacoeconomic topics, defines the terminology used in pharmacoeconomic research, and gives many examples using case studies. Students completing this course should be able to understand, interpret, and determine the usefulness of pharmacoeconomic research articles and also be able to design a pharmacoeconomic decision tree analysis.

MPS 656. Ethics in the Health Professions. 3 credits.

This course prepares students to approach ethical dilemmas objectively with a thorough understanding of professional moral responsibility. This course assists students to: distinguish ethical from other kinds of issues; identify the morally relevant features of a case; identify the moral options open to a pharmacist faced with a moral problem; provide justification for the best options; consider counter arguments for one's position; practice the act of responding personally to an ethical problem in clinical practice through group interaction; and enhance commitment to promoting the dignity of others.

MPS 665. Advanced Pharmacokinetics. 2 credits.

Computer modelling of the absorption, distribution, metabolism, and excretion of drugs will be the core of the course content. Multicompartmental analysis, non-compartmental analysis as well as non-linear kinetics will be discussed. Development of a pharmacokinetic protocol through the various phases of INDA submission as well as in vitro - in vivo correlations will be considered.

MPS 675. Solid Delivery Systems. 3 credits.

The course uses a physical chemistry approach to solving the problems associated with practical design of solid dosage forms as well as those associated with their evaluation.

MPS 676. Disperse Systems. 3 credits.

The course uses a physical chemistry approach to solving the problems associated with practical design of disperse system dosage forms as well as those associated with their evaluation.

MPS 677. Macromolecular Systems. 3 credits.

The course uses a physical chemistry approach to solving the problems associated with the manufacture, evaluation and utilization of polymers in the design of drug delivery systems as well as macromolecules as drugs.

MPS 690. Pharmacology of Immune Response. 2 credits.

The course will provide instruction about the pharmacologic regulation of immune response and the role of immune products on human physiology. P: Gr stdg.

MPS 691. Pharmaceutical Science Seminar. 1 credit.

Seminar in selected subjects for pharmaceutical sciences graduate students. P: DC.

MPS 692. Directed Independent Study. 1-5 credits.

Supervised independent projects that may include laboratory work, assigned readings, research papers, etc. Available in toxicology, biopharmaceutics, medicinal chemistry, pharmacodynamics and pharmacokinetics. P: Undergraduate or graduate stdg. and DC.

MPS 693. Directed Independent Research. 1-5 credits.

Supervised independent research for motivated students to become involved in ongoing original research projects of the pharmaceutical sciences faculty. P: Undergraduate or graduate stdg. and DC.

MPS 697. Industrial Pharmacy. 3 credits.

This course will prepare students to learn the basic principles involved in the designing and manufacturing of different pharmaceutical dosage forms. The course content will include preformulation studies, formulation of liquid and solid oral pharmaceutical dosage forms, novel drug delivery systems, drug regulatory affairs and current good manufacturing practices.

MPS 792. Pharmaceutical Sciences Discussion Series. 1-2 credits.

Graduate students in Pharmaceutical Sciences will learn how to read journal articles for optimum retention, critically evaluate the data, and objectively determine the paper's contribution to the over-all body of knowledge. In addition they will gain valuable presentation and public speaking skills.

MPS 793. Pharmaceutical Sciences Presentation Series. 1-2 credits.

This course focuses on scientific communication of research material in various situations. Students will read and understand journal articles for optimum retention, critically evaluate the data, and objectively determine the paper's contribution to the over-all body of knowledge. Emphasis will be on presenting information/research data in an appropriate and effective manner.

MPS 797. Master's Directed Independent Research. 1-4 credits.

Supervised original research. P: DC.

MPS 799. Master's Thesis. 1-8 credits.

Review of the literature and research data; writing of the thesis. Student must register for this course in any term when engaged in formal preparation of the Master's thesis; however, six credit hours are the maximum applicable toward the degree. P: DC.

Master of Science with Major in Pharmaceutical Sciences

Master in Pharmaceutical Sciences Requirements (33 Credits)

Electives

22

Students select 22 elective graduate credits, and with permission from their supervisor, may also enroll in graduate courses offered by other departments. Listed below are examples of courses offered by other departments that may be relevant to the M.S. degree program. Also see lists below for areas of emphasis.

Biomedical Sciences

| | | |
|---------|--------------------------------------------------------------|---|
| BMS 760 | Advance Topics in Neuroscience | 3 |
| BMS 706 | Advanced Cell and Molecular Biology | 4 |
| BMS 730 | Advanced Topics in Cell and Molecular Biology | 3 |
| BMS 747 | Cellular and Molecular Mechanisms of Transmembrane Signaling | 3 |
| BMS 611 | Medical Bioinformatics and Functional Genomics | 3 |
| BMS 604 | Fundamentals Of Cell And Molecular Biology | 6 |

| | | |
|--------------------------------------------|------------------------------------------------------------------------------|-----|
| BMS 605 | Fundamentals of Genetics and Molecular and Cellular Pathology | 2 |
| BMS 606 | Proteins: Structure-Function Relationships (Medical Microbiology/Immunology) | 4 |
| Business Administration | | |
| MBA 711 | Managerial Finance | 3 |
| MBA 741 | Economic Analysis for Managers | 3 |
| MBA 761 | Marketing Management | 3 |
| Business Intelligence and Analytics | | |
| BIA 731 | Information Systems Management | 3 |
| Medical Microbiology/Immunology | | |
| MIC 739 | Bacterial Physiology | 3 |
| MIC 753 | Advanced Antimicrobial Agents And Chemotherapy | 3 |
| MIC 746 | Advanced Immunology | 3 |
| Seminar Course | | |
| MPS 691 | Pharmaceutical Science Seminar | 1 |
| MPS 793 | Pharmaceutical Sciences Presentation Series | 1 |
| MPS 792 | Pharmaceutical Sciences Discussion Series | 1 |
| Select from: | | |
| Thesis | | |
| MPS 799 | Master's Thesis | 1-8 |

REQUIREMENTS FOR SPECIFIC AREA OF EMPHASIS

MEDICINAL CHEMISTRY

| | | |
|---------|------------------------------------------------------|-----|
| IDC 601 | Responsible Conduct of Research | 1 |
| MPS 531 | Chemical Basis Drug Action I | 3 |
| MPS 532 | Chemical Basis Drug Action II | 2 |
| MPS 544 | Introduction to Research Methods and Biostatistics | 3 |
| MPS 602 | Analytic Aspects of Pharmaceutical Sciences Research | 3 |
| MPS 622 | Advanced Medicinal Chemistry | 3 |
| MPS 633 | Research Methods | 1-3 |

PHARMACEUTICS

| | | |
|---------|-------------------------------------------------------|-----|
| IDC 601 | Responsible Conduct of Research | 1 |
| MPS 543 | Basic Pharmacokinetics | 2 |
| MPS 544 | Introduction to Research Methods and Biostatistics | 3 |
| MPS 602 | Analytic Aspects of Pharmaceutical Sciences Research | 3 |
| MPS 603 | Introduction to Pharmaceutical Materials Science | 1 |
| MPS 617 | Advanced Pharmaceutics | 3 |
| MPS 633 | Research Methods | 1-3 |
| MPS 634 | Pharmaceutical Dosage Forms and Drug Delivery Systems | 3 |
| MPS 676 | Disperse Systems | 3 |
| MPS 677 | Macromolecular Systems | 3 |

PHARMACOLOGY

| | | |
|---------|----------------------------------------------------|---|
| IDC 601 | Responsible Conduct of Research | 1 |
| MPS 544 | Introduction to Research Methods and Biostatistics | 3 |
| PHR 631 | Medical Pharmacology I | 5 |
| PHR 632 | Medical Pharmacology II | 5 |
| PHR 711 | Receptor and Molecular Pharmacology | 3 |
| PHR 717 | Molecular Biology In Pharmacology | 2 |

SOCIAL AND ADMINISTRATIVE PHARMACY

| | | |
|---------|----------------------------------------------------|---|
| IDC 601 | Responsible Conduct of Research | 1 |
| MPS 544 | Introduction to Research Methods and Biostatistics | 3 |
| MPS 621 | Health Systems and Patient Safety | 3 |
| MPS 645 | Qualitative Methods in Research | 2 |
| MPS 646 | Mixed Methods in Research | 2 |
| MPS 652 | Pharmacoeconomics | 3 |
| MPS 656 | Ethics in the Health Professions | 3 |

Master of Science, Pharmaceutical Sciences/Doctor of Pharmacy Dual Degree

M.S./Pharm.D. Dual Degree program

The general requirements of the Graduate School Catalog listed under Administration and Policies Governing Graduate Study are met. Courses can be selected from the list below or from related subjects, according to the needs of the student. To qualify for the degree, the student must earn at least 33 semester hours of graduate credit beyond the baccalaureate. The student must maintain a B (3.0) average grade throughout the graduate program.

Special Requirements

The following requirements are applicable to students enrolled in the Pharm.D./M.S. program:

1. A maximum of four credit hours of seminar and a maximum of eight credit hours of thesis can be applied toward the M.S. degree.
2. Not more than 12 credit hours of Pharm.D. courses can be applied toward the M.S. degree.
3. A minimum of 12 credit hours must be earned in courses that are not listed as required courses for the Pharm.D. degree.
4. A minimum of 33 credit hours is required for graduation.
5. A typical plan of study consists of the following:

Dual Credit PharmD Courses 12

Students select 12 credits from the following:

| | | |
|------------|-------------------------------------|--|
| BMS 521 | Principles of Biochemistry | |
| or BMS 301 | Biochemistry | |
| MPS 621 | Health Systems and Patient Safety | |
| or PHA 321 | Health Systems and Patient Safety | |
| MPS 531 | Chemical Basis Drug Action I | |
| or PHA 337 | The Chemical Basis of Drug Action I | |
| MPS 532 | Chemical Basis Drug Action II | |
| or PHA 447 | Chemical Basis of Drug Action II | |

| | | |
|------------------------------------------------------------------------------|----------------------------------------------------|-----------|
| MPS 544 | Introduction to Research Methods and Biostatistics | |
| or PHA 350 | Introduction to Research Methods and Biostatistics | |
| MPS 656 | Ethics in the Health Professions | |
| or PHA 456 | Ethics in the Health Care Professions | |
| PHR 631 | Medical Pharmacology I | |
| or PHR 241 | Pharmacology I | |
| PHR 632 | Medical Pharmacology II | |
| or PHR 242 | Pharmacology II | |
| MPS 690 | Pharmacology of Immune Response | |
| or PHA 430 | Immunopharmacology and Biotechnology | |
| Electives | | 12 |
| Select 12 graduate elective credits. See suggestions on M.S. degree listing. | | |
| Seminar Course | | 1 |
| Select from: | | |
| MPS 691 | Pharmaceutical Science Seminar | |
| MPS 792 | Pharmaceutical Sciences Discussion Series | |
| MPS 793 | Pharmaceutical Sciences Presentation Series | |
| Thesis | | 8 |
| MPS 799 | Master's Thesis | |
| Total Credits | | 33 |

Pharmacology

Program Director (Ph.D. Program): Timothy A. Simeone, Ph.D.
Program Office: Criss III, Room 551

<https://medschool.creighton.edu/medicine/departments/pharmacology/>

Graduate Study in Pharmacology

The Department of Pharmacology offers programs of study culminating in the Ph.D. and M.S. degrees. Upon successful completion of the chosen program, the individual will be prepared for careers in research and education in the field of pharmacology. Acquiring expertise in the broad field of pharmacology requires an interdisciplinary approach; and therefore, the student may choose to concentrate his or her studies in numerous specialized areas of pharmacology. These areas include:

- Autonomic pharmacology
- Cardiovascular pharmacology,
- Cancer pharmacology
- Exocrine pharmacology,
- Immunopharmacology
- Neuropharmacology
- Renal pharmacology
- Toxicology

Specific areas of interest include drug-receptor interactions, signal transduction, ion channel function, and molecular and tissue system approaches to studying receptors, signaling and gene function. It is important to note that the interdisciplinary nature of pharmacology offers the student a broad range of options for research endeavors and might include investigations of neurodegenerative diseases, epilepsy, asthma, cancer, teratogenicity of environmental toxins and pharmaceuticals, drugs of abuse, and pulmonary hypertension.

Mission Statement

The mission of the Department of Pharmacology graduate programs is to create an intellectually rich environment in which students and trainees are able to develop fully their creative and scientific potential.

Program Goals

The student will carry out the following objectives for completion of the graduate program in pharmacology:

1. Demonstrate an advanced knowledge of pharmacology and a detailed comprehension of the student's specialized field of pharmacology.
2. Illustrate critical and analytical thinking in studying literature, developing hypotheses, executing research, solving scientific problems, and interpreting results.
3. Effectively communicate research results and scientific information in an oral as well as verbal format to both scientific and lay audiences.
4. Demonstrate the ability to independently propose, defend and conduct research in pharmacology for the benefit of science and in the service to others.
5. Display ethical behavior with regard to professional conduct.
6. Exhibit skills that will educate and train others in the field of pharmacology.

Admission Requirements

1. The applicant must possess a baccalaureate degree from an accredited college or university.
2. A minimum G.P.A. of 3.0 overall.
3. Undergraduate courses in biology, general chemistry, organic chemistry, biochemistry, and mathematics or equivalent courses are required. Isolated deficiencies may be made up in the graduate program.
4. The Graduate Record Examination (GRE) General Test must be taken. GRE scores for the verbal and quantitative exam sections must be in the 50th percentile or above.
5. The Graduate School requires all students from countries in which English is not the native language to demonstrate competence in English by a score of 90 on the TOEFL (Test of English as a Foreign Language) Internet-based Test (iBT) at the graduate level.

The deadline for applications to the doctoral program is February 15th for admission in the following fall semester. The deadline for applications to the master's program is May 1st for admission in the following fall semester.

Degree Program in Pharmacology

Doctor of Philosophy (Ph.D.) Program

The objectives of this program are to prepare highly qualified students for careers in research and teaching in the field of pharmacology. Ph.D. candidates will be required to demonstrate a broad knowledge of the field of pharmacology and detailed expertise in their research area. Graduate studies in pharmacology will provide graduate students with a comprehensive educational program in pharmacology. During the program of studies, the pharmacology graduate student will work closely with his or her mentor and department faculty to master the program goals. These goals include student demonstration of an advanced mastery of pharmacology as evidenced by the ability to critically judge research in the field of pharmacology, initiate scholarly activity based

on current literature, and maintain the highest ethical and professional standards.

- Doctor of Philosophy (Ph.D.), Pharmacology (p. 157)

Master of Science (M.S.) Program

The objectives of the program include preparation of the student for the following career paths:

1. Teaching of Pharmacology at the undergraduate level
2. Participation in team research in universities, industry or government.

In addition, the M.S. program is an excellent method for students to receive additional preparation for pursuit of a M.D. or Ph.D. degree. The Master's program emphasizes a combination of course work, laboratory experience and training in the scientific method.

- Master of Science (M.S.), Pharmacology

Courses

PHR 531. Chemical Basis Of Drug Action I. 3 credits. FA

The chemical basis for drug action in vivo and in vitro. General chemical principles, physiochemical properties and drug-receptor interactions are used to derive structure-activity relationships for important drug classes permitting the understanding of the pharmacological and biopharmaceutical profiles of currently available drug products. Provides a basis for predicting biological properties and activities of future products. P: DC.

PHR 532. Chemical Basis Of Drug Action II. 3 credits. SP

Continuation of PHR 531. P: DC.

PHR 537. Rational Drug Design And Discovery. 2 credits. FA, OD

Scientific basis for the rational design and development of new drug molecules. Discussion of drug-receptor theory, structure activity relationships, and specific examples of the design of new drugs. P: DC.

PHR 595. Directed Independent Study. 0-5 credits. FA, OD, SP, SU

Supervised independent projects that may include laboratory work, assigned readings, research papers, etc. Available in autonomic pharmacology, cardiovascular pharmacology, exocrine pharmacology, and neuropharmacology. P: Undergraduate or Gr. stdg. and DC.

PHR 597. Directed Independent Research. 1-4 credits. FA, OD, SP, SU

Supervised independent research for motivated students to become involved in ongoing original research projects of the pharmacology faculty. P: Undergraduate or Gr. stdg. and DC.

PHR 631. Medical Pharmacology I. 5 credits. FA

Human pharmacology and therapeutics. Lectures, conferences, and demonstrations.

PHR 632. Medical Pharmacology II. 5 credits. SP

A continuation of Medical Pharmacology I.

PHR 650. Introduction to Neuropharmacology. 3 credits. SP

This course is designed for graduate students with a background in biology, chemistry, biochemistry, psychology, pre-pharmacy and/or pre-medicine. Pharmacology is more than the study of the mode of action of drugs. It is a science which uses the basic concepts of biology and chemistry to determine how drugs affect the organism; it gives a unique perspective in understanding how cells, organ systems, and organisms function. Unlike other basic science fields, pharmacology is a special field in which one can systematically investigate the mechanism for a biological event—from the molecular level to the whole animal. Pharmacology also allows us to study how biological systems fail to function, providing information on the etiology of disease. Pharmacologic research is essential for the development, testing and clinical use of drugs to treat disease.

PHR 711. Receptor and Molecular Pharmacology. 3 credits. AY, SP

Exhaustive treatment of receptor and molecular pharmacology that considers historical development of concepts, radioligand receptor binding, drug-receptor interactions, receptor characterization and isolation, and signal transduction. P: PHS 601; BCH 600 or DC.

PHR 715. Advanced Pharmacology. 3 credits. OD

Discussion of recent advances in the pharmacology of cardiovascular, autonomic and central nervous systems. Comprehensive review of drug classes including discussions on possible mechanisms by which drugs produce functional effects in these systems. P: Gr. stdg.; PHR 631; or DC.

PHR 717. Molecular Biology In Pharmacology. 2 credits. FA, OD

A survey course in molecular biology and relevant techniques. The course is geared to pharmacologists and others in medical and scientific fields seeking fundamental knowledge of this area. The goal is to provide an understanding of the theoretical and practical aspects of molecular biology for use in research. P: DC.

PHR 750. Research Discussions In Pharmacology. 1 credit. FA, SP, SU

Students will meet with their course director once weekly to discuss laboratory research topics as assigned by the course director. Topics will usually be pertinent to the research activity of the course director. Instruction will be given through a combination of didactics, small group sessions, student presentations and independent study. P: DC.

PHR 760. Research Rounds In Pharmacology. 1-3 credits. FA, SP

This course will teach students how to formally present their research progress and results, and will provide students with frequent feedback by faculty members and fellow students. P: DC.

PHR 790. Research Methods In Pharmacology. 1-5 credits. FA, OD, SP, SU

Laboratory rotations in which graduate students perform or observe methods used in pharmacological research. The value of the method and its application to the research efforts of the pharmacology faculty are described in detail. P: DC.

PHR 791. Pharmacology Seminar. 1 credit. FA, SP

Seminar in selected subjects for pharmacology graduate students. P: DC.

PHR 794. Special Topics in Pharmacology. 1-4 credits. FA, OD, SP, SU**PHR 795. Directed Independent Study. 1-6 credits. FA, SP, SU****PHR 797. Master's Directed Independent Research. 1-6 credits. FA, SP, SU**

Supervised original research. P: DC.

PHR 799. Master's Thesis. 1-6 credits. FA, SP, SU

Review of the literature and research data; writing of the thesis. Student must register for this course in any term when engaged in formal preparation of the Master's thesis; however, six credit hours are the maximum applicable toward the degree. P: DC.

PHR 897. Doctoral Directed Independent Research. 1-6 credits. FA, SP, SU

Supervised original research. P: DC.

PHR 899. Doctoral Dissertation. 1-6 credits. FA, SP, SU

This investigative work is the principal area of research carried out by the candidate during doctoral studies. It is conducted under the direct supervision of the candidate's major adviser and dissertation committee in preparation for the doctoral dissertation. Twenty credit hours are the maximum applicable toward the degree. Students will register for this course during formal preparation of the doctoral dissertation. P: PHR 897.

Ph.D. (Doctor of Philosophy) or Master of Science (M.S.), Pharmacology

Doctor of Philosophy (Ph.D.), Pharmacology (90 credits)

The student will select a major adviser and assemble a dissertation committee. The student, adviser and committee will formulate a plan of study. The adviser and committee will assist the student during the entire course of the program.

| | | |
|--------------------|----------------------------------------------------------------------------------------|---|
| PHR 631 | Medical Pharmacology I | 5 |
| PHR 632 | Medical Pharmacology II | 5 |
| PHR 711 | Receptor and Molecular Pharmacology | 3 |
| PHR 717 | Molecular Biology In Pharmacology | 2 |
| IDC 601 | Responsible Conduct of Research | 1 |
| PHR 791 | Pharmacology Seminar | 1 |
| 6-10 total credits | | 6 |
| BMS 604 | Fundamentals Of Cell And Molecular Biology | 6 |
| BIO 310 | Biostatistics | 4 |
| CTS 713 | The Discipline of Scientific Writing and Preparation of Competitive Grant Applications | 2 |

PHR Electives

Select 20 credits of PHR graduate courses. 20

Independent Research

Select credits needed to reach total degree credits of 90 35

| | | |
|---------|----------------------------|--|
| PHR 795 | Directed Independent Study | |
| PHR 899 | Doctoral Dissertation | |

Total Credits 90

The student must maintain a B (3.0) average throughout the graduate program, with no more than six credits with a grade of C.

Comprehensive Examinations: Doctoral students are required to pass comprehensive and qualifying examinations in order to advance to candidacy according to the guidelines of the graduate school.

Dissertation: Ph.D. candidates must present and defend a dissertation. The defense is open to the public, but only the student's dissertation committee may directly participate in the examination. Copies of the

dissertation must be presented to the committee and Graduate Dean at least 30 days prior to the defense.

Master of Science (M.S.), Pharmacology (30 credits)

The student will select a major adviser and assemble a thesis committee. The student, adviser and committee will formulate a plan of study. The adviser and committee will assist the student during the entire course of the program.

| | | |
|-----------------------------------------------------------|----------------------------------------|-------|
| PHR 631 | Medical Pharmacology I | 5 |
| PHR 632 | Medical Pharmacology II | 5 |
| PHR 711 | Receptor and Molecular Pharmacology | 3 |
| IDC 601 | Responsible Conduct of Research | 1 |
| PHR 791 | Pharmacology Seminar | 1 |
| 4 total credits | | 3 |
| BIO 310 | Biostatistics | 4 |
| Independent Research | | |
| Select credits needed to reach total degree credits of 30 | | |
| PHR 797 | Master's Directed Independent Research | 1-6 |
| PHR 799 | Master's Thesis | 1-6 |
| Total Credits | | 24-34 |

The student must maintain a B (3.0) average throughout the graduate program, with no more than six credits with a grade of C.

Thesis: M.S. students must present and defend a thesis. The defense is open to the public, but only the student's thesis committee may directly participate in the examination. Copies of the thesis must be presented to the committee and Graduate Dean at least 30 days prior to the defense.

Physics

Program Director: Michael G. Nichols

Program Office: Hixson-Lied Science Building, Room G81

Graduate Study in Physics

At Creighton University the graduate program in Physics is flexible and designed to combine a solid grounding in Physics with adaptability to a wide range of student interests and career objectives. There is a close association of students and faculty that facilitates responsiveness to the needs of each student. Graduates of four-year liberal arts colleges are of special interest to the Physics faculty, as are secondary-school and junior-college teachers who wish to enrich their background in physics. Most classes can be scheduled to accommodate working students in progressing toward the M.S. degree on a part-time basis.

Program Goals

In addition to the general learning goals of the Graduate School, at the completion of the physics graduate program, the student will:

1. Demonstrate advanced knowledge in graduate level physics and in their field of thesis research.
2. Demonstrate independent critical and analytical thinking, both within their field of study and beyond, for use in the service to others.
3. Identify and suggest possible solutions to ethical dilemmas that occur in their work and field of study, and understand the importance

of professional ethics in all aspects of scientific communication and laboratory work.

4. Demonstrate competence in their laboratory or computational work, including application of the scientific method and appropriate use of basic and state of the art tools and techniques.
5. Demonstrate written and oral skills necessary for communication of research, knowledge, and ideas to scientists and non-scientists.

Admission Requirements

In general, properly prepared students will have undergraduate preparation in physics comparable to the present minimum Physics degree requirements at Creighton University. This must include upper-division course work covering each of the following categories: mechanics, electromagnetism, and modern physics. Additional work in physics to bring the total to 24 semester hours, plus support from mathematics, is needed. An undergraduate grade point average of 3.00 or better is preferred.

The Graduate School requires all students from countries in which English is not the native language to demonstrate competence in English by a score of 550 in the TOEFL (Test of English as a Foreign Language) examination or 80 on the Internet-based Test (iBT) at the graduate level. Higher TOEFL scores are required to be competitive for teaching or research fellowships.

Degree in Physics

- Master of Science with a Major in Physics (p. 160)

Courses

PHY 521. Electronics for Scientists. 3 credits. FA, OD

Basic course in electronics. Laboratory experiments include an introduction to measuring instruments, solid state components, and digital and logic circuits. Lecture closely follows the experiments. 1R, 5L. P: PHY 214 or PHY 222 or PHY 202.

PHY 522. Electric Circuits. 3 credits. FA, OD

Kirchhoff's Laws. Solutions to homogeneous and non-homogeneous linear systems in electronics. AC and DC circuit response. Computer-assisted modeling of circuits. P: IC.

PHY 531. Quantum Mechanics. 3 credits. FA

Development of the formalism of non-relativistic quantum mechanics; applications to the harmonic oscillator, the hydrogen atom, square-well potential, and scattering. P: PHY 301 and PHY 471.

PHY 541. Thermodynamics And Statistical Mechanics. 3 credits. FA

Laws of thermodynamics, thermodynamic variables, thermodynamic potentials; kinetic theory, distribution functions, classical and quantum statistics. P: PHY 214 or CHM 331 or PHY 222 or PHY 202; and MTH 246.

PHY 551. Mathematical Physics. 3 credits. FA

Mathematical methods for the representation of physical processes in space and time. Fourier and other complete representations; vector calculus; tensors and matrices. Selection and emphasis on topics keyed to needs of students enrolled. P: PHY 212 or PHY 222; MTH 347.

PHY 553. Computational Physics. 3 credits. OD

The course offers an introduction to scientific computing techniques for physics students. The course will offer training in computational software and programming language to model complex systems and/or to analyze data. Examples are drawn from a variety of subfields of physics. P: PHY 214 or PHY 222 or DC.

PHY 559. Gravitation and Cosmology. 3 credits. OD

An introduction to standard big bang cosmology utilizing Einstein's general theory of relativity. Topics in relativity will include tensor analysis, Riemannian geometry, and the Einstein equation. Topics in cosmology will include the Friedman-Robertson-Walker metric, the age of the universe, dark matter and dark energy, and early universe thermodynamics. P: PHY 301.

PHY 561. Nuclear Physics. 3 credits. OD

Application of elementary quantum mechanical theory and relativity to the study of nuclear structure, radioactive decay, and nuclear models. P: PHY 531.

PHY 562. Nuclear Instruments And Methods. 2 credits. OD

Laboratory work in nuclear physics designed to teach the methods and procedures of experimental nuclear physics at an advanced level and to familiarize the student with modern research equipment and its use. 3L. P: PHY 302 or IC.

PHY 563. High Energy Nuclear Physics. 1 credit. OD

Students will read and discuss original journal articles related to the historical development of high energy physics. P: PHY 214 or PHY 222 or PHY 202; and MTH 246; or IC.

PHY 565. Radiation Biophysics. 3 credits.

A systematic study of the mechanisms by which ionizing radiation affect cells and biomolecules, pertaining to radiation therapy. Topics include: Physical mechanisms for radiation absorption, Kerma, dose, LET, track structure, water radiochemistry, mathematical survival models, DNA damage, repair mechanisms, RBE, OER, linear no-threshold model, bystander effects, and dose fractionation. P: Permission of instructor.

PHY 566. Physics of Medical Imaging. 3 credits.

A systemic study of medical imaging including projection x-ray (mammography, fluoroscopy), computed tomography, nuclear imaging (SPECT, PET), magnetic resonance imaging, and ultrasound. For each imaging modality, the mathematical foundation, physical mechanism, technology involved in clinical implementation, technique strengths and limitations, quantification of image quality, and routine quality assurance procedures will be examined. P: Permission of instructor.

PHY 571. Condensed Matter Physics. 3 credits. OD

An introduction to the structure and dynamics of solids and liquids including solid state physics. Topics include the structure of crystalline, amorphous and self-similar (fractal) matter as conveyed by scattering techniques, the vibrational properties of crystals, the dynamics of liquids, electron dynamics in crystals (including band theory), response functions, percolation theory, and phase transitions (with an emphasis on critical phenomena, scaling and renormalization). P: PHY 301 or CHM 341 or IC.

PHY 572. Condensed Matter Laboratory. 1 credit. OD

Laboratory work designed to acquaint the student with spectroscopy techniques used in condensed matter and material science, including: static and dynamic light scattering, Raman spectroscopy, X-ray diffraction, scanning tunneling microscopy, and dielectric spectroscopy. 3L. CO: PHY 571 or IC.

PHY 581. Advanced Laboratory I. 1 credit. FA

Advanced laboratory work in physics designed to teach the methods of experimental research in physics. Students will work in collaborative teams on two open-ended experiments, each lasting six weeks, drawn from any physics subfield. Students will also develop a research proposal to be executed in PHY 582, Advanced Laboratory II. P: PHY 302, 303, and 332.

PHY 582. Advanced Laboratory II. 1 credit. SP

Advanced laboratory designed to teach the methods of experimental research in physics. Students will work in collaborative teams to complete a project of their own design, including literature review, design and execution of the experiment, data analysis (including statistical testing) and a written report. Students will participate in mock peer-review. P: Phy 581.

PHY 587. Laser Physics. 3 credits. OD

A thorough review of the essential optical and physical principles needed for understanding laser characteristics, operation and design. Topics include the principle of detailed balance, absorption, stimulated emission, gain, obtaining population inversions, pumping requirements, laser cavity modes, Gaussian beams, laser resonators, Q-switching, mode-locking, and an overview of specific laser systems including gas-tube and solid-state lasers. P: PHY 331 or IC.

PHY 591. Seminar in Engineering. 1-3 credits. OD (Same as ERG 591)

A series of lectures, discussions and engineering speakers to assist pre-engineers to define more clearly their professional goals by acquainting them with diversified career options available to engineers. Topics include: engineering career exploration and development; cooperative education and internships; and job search, resume writing and interviewing techniques. P: IC.

PHY 595. Special Topics. 1-3 credits. OD

A course treating physics topics of special interest. The course will be subtitled in the Schedule of Classes and may be repeated under different subtitles. P: IC.

PHY 611. Classical Mechanics. 3 credits. FA

Variational principles, Lagrange's equations, two-body central force motion, rigid-body motion, transformations, small oscillations.

PHY 621. Electromagnetic Theory. 3 credits. FA

Electromagnetic fields, application of Maxwell's equations to electromagnetic waves and their interaction with matter.

PHY 631. Quantum Mechanics I. 3 credits. SP

Development of the formalism of quantum mechanics with applications to simple systems.

PHY 632. Quantum Mechanics II. 3 credits. OD

Applications of quantum mechanics to current fields of interest. P: PHY 631.

PHY 641. Statistical Mechanics. 3 credits. SP

Review of thermodynamics, classical and quantum statistical theory, applications to current fields of interest.

PHY 652. Advanced Mechanical Methods. 0 credits. OD

Small oscillations, transformations, special functions, boundary value problems. P: MTH 347.

PHY 662. Radiation Dosimetry and Protection. 3 credits.

A survey of personal and environmental dosimetry and monitoring with an emphasis on ionizing radiation. Topics include photon and neutron beams, particle interactions, stopping power, range absorbed dose, charged particle equilibrium, measurement techniques, cavity theory, ionization chambers, thermoluminescence, photographic, chemical, and calorimetric dosimetry, pulse-mode-detectors, scintillation materials, semiconductor dosimeters, biophysical models. P: PHY 301, BIO 202; Graduate standing.

PHY 785. Clinical Practice of Teaching Science. 3-7 credits. OD

Practical experience in the conduct of classroom teaching and related activities in science. This experience is obtained under the immediate supervision of a fully experienced cooperating teacher and a University supervisor in a local school in grades 7-12. Application to the Director of Field Experiences in the Education Department for all student teaching must be made before February 1 for the Fall Semester and October 1 for the Spring Semester. Secondary Education P: EDU 525, EDU 548, EDU 551, EDU 575; CO: EDU 593.

PHY 790. Research Methods. 2 credits. OD

Introduction to current research in Physics.

PHY 791. Graduate Seminar. 1-3 credits. FA, SP

Oral presentation and critical discussion of subjects in physics or related fields by invited speakers, faculty, and students.

PHY 793. Directed Independent Readings. 1-3 credits. FA, SP, SU

Advanced instruction in areas of special interest to the faculty, such as the following: atomic physics, nuclear physics, particle physics, solid state physics, surface physics, statistical mechanics, foundations of physics; biophysics. P: IC.

PHY 795. Directed Independent Study. 1-3 credits. FA, SP, SU

Advanced study in a specific area of interest to the faculty. P: IC.

PHY 797. Directed Independent Research. 1-3 credits. FA, SP, SU

An independent research project under the guidance of a member of the faculty. Weekly conferences. Written report of work required at the end of each semester. P: IC.

PHY 799. Master's Thesis. 1-6 credits. FA, SP, SU

Research in connection with the preparation of the Master's thesis. Students must register for this course in any term when engaged in formal preparation of the master's thesis; however, six credit hours are the maximum applicable toward the degree. P: DC.

Master of Science, Major in Physics

Flexibility is achieved within the Graduate School through two types of master's programs – Plan A (with thesis) and Plan B (without thesis) – and within the Physics Department through the further tailoring of these programs to the needs of the individual student. Physics graduate students individually arrange their graduate programs in consultation with their advisor.

M.S., Major in Physics course requirements (30 credits):

Required Core Courses of All Students¹

| | | |
|---------|------------------------|---|
| PHY 611 | Classical Mechanics | 3 |
| PHY 621 | Electromagnetic Theory | 3 |
| PHY 631 | Quantum Mechanics I | 3 |
| PHY 641 | Statistical Mechanics | 3 |

Thesis (Plan A) or Non Thesis (Plan B) Option³

Plan A: 12 credits of Elective and 6 credits of PHY 799

Electives (12 credits)²

PHY 799 (6 credits)

Plan B: 21 credits of Electives

Electives (21 credits)²

Comprehensive Exam - must pass all sections of the three-part exam

Total Credits

30-33

¹ These "core courses" are designed to provide an advanced understanding of concepts, principles, and methods in the fundamental areas of Physics.

² Course electives may be selected with the consent of the advisor. These courses normally come from the areas of atmospheric sciences, mathematics/computer science, chemistry, or biology.

³ Students choosing Plan A complete a minimum of 30 credits. Students choosing Plan B complete at least 33 credits.

Public Health

Program Director: Tanya Morgan

Program Office: Center for Health Policy and Ethics

Graduate Study in Public Health

The Master's Degree in Public Health (MPH) program is designed to provide students with a comprehensive knowledge of the field of public health, which is defined by the Institute of Medicine in *The Future of Public Health* (1998) as "what we, as a society, do collectively to assure the conditions for people to be healthy." The program specifically focuses on the "conditions" that relate to the medical and social determinants of health that play a critical role in health care disparities: physical and social environment, biology and genetics, human behavior, and access to quality care. To maximize access to geographically-distant and working student populations, course content is offered online with the majority of course offerings in a fully asynchronous manner.

Program Goals

Students who complete the Master of Public Health degree will be able to:

1. Identify the totality of health problems and needs of defined populations.
2. Evaluate mechanisms by which the health needs of defined populations can be met.
3. Demonstrate competency to carry out broad public health functions in local, state, national and international settings.
4. Plan, implement, and evaluate programs to address identified public health needs in cooperation with community members.
5. Assure conditions that protect and promote the health of populations.
6. Synthesize and publicly communicate findings from research, practical experience, and critical self-reflection on a selected topic of public health concern.

Admission Requirements

- **Baccalaureate degree or higher:** Applicants for the Master of Public Health must have a baccalaureate or higher degree. Applicants who do not hold a post-baccalaureate degree must have an undergraduate GPA of at least 3.0 in the last 60 hours of undergraduate study.
- **Application and application fee of \$50.**
- **Curriculum vitae:** Applicants should include relevant education, employment history, certifications and licensures, teaching and research experience, publications, presentations, awards, honors, affiliates, professional associations, experience and background in health, public health or health care.
- **Essay:** In two pages or less, applicants should respond to the following questions:

1. Describe how your personal qualities, accomplishments, academic background and professional experience will contribute to your success in the Creighton MPH program.
2. Explain how successful completion of this program will assist you in achieving your professional goals.

- **Recommendation forms:** Applicants are required to provide three recommendation forms, to be completed and submitted by persons other than family members who are capable of assessing their performance in an academic or work setting.
- **Transcripts:** Applicants must submit official transcripts from all colleges and universities they previously attended. Issuing institutions must send the transcripts directly.
- **Test of English as a Foreign Language (TOEFL):** All international applicants from countries in which English is not the primary language must demonstrate proficiency in the English language by submitting a minimum TOEFL score of 100 iBT (213 CBT/550 PBT). International applicants who received their baccalaureate or higher degree from an accredited institution in the U.S., United Kingdom, Ireland, Canada, Australia, New Zealand or Africa (English-speaking only) are not required to submit a TOEFL score report.

Degree in Public Health

- Master of Public Health (p. 162)

Courses

MPH 601. Organization and Management of Public Health Services. 3 credits.

This course examines the organization, delivery, and financing of health care services from a managerial and policy perspective. Specific focus will be given to the role, responsibilities, and functions of public health services; the integral relationship of public health within the larger health system; and management principles and practices applicable to public health organizations.

MPH 602. Community Health Assessment. 3 credits.

This course examines the concepts, methods and practices for assessing the health of a community. Topics include measuring community health status, developing community health profiles, identifying the determinants of health, and the utilization of community health assessment in developing public health interventions.

MPH 604. Social and Behavioral Aspects of Public Health. 3 credits.

This course is an exploration of concepts and methods of social and behavioral sciences relevant to the identification and solution of public health problems. This course will focus on the basic set of competencies that is central to the field, including identifying theories, concepts, and models from a range of social and behavioral disciplines that are used in public health research and practice.

MPH 605. Epidemiology. 3 credits.

This course offers a foundation for the study of the distribution, history, and determinants of disease and disability in human populations. In addition to examining the biological basis of health, the course will explore social epidemiology and the interrelationship between the social and biological determinants of health.

MPH 606. Environmental Health. 3 credits.

This course examines the environmental factors that impact population health. This course focuses on the biological, physical and chemical agents affecting human health. Additional topic areas that will be explored include the regulatory framework for environmental health, workplace health, and contemporary issues in environmental justice.

MPH 607. Biostatistics. 3 credits.

This course focuses on descriptive and inferential statistical concepts, methods, and the applications of statistical methods in the analysis and assessment of population health.

MPH 608. Health Communication and Informatics. 3 credits.

This course provides a foundation for understanding the concepts and best practices in health communication and for developing skills in building effective communication campaigns with multiple and culturally diverse audiences. Recognizing the importance of informatics in health communication, this course will also address skills in the use of information technology for the retrieval, management and dissemination of information that promotes population health.

MPH 609. Introduction to Community-Based Participatory Research. 3 credits.

The 2010 National Healthcare Quality Report from the Agency for Healthcare Research and Quality outlined disparities in health care access and quality across the U.S., particularly among minority and low-income groups. All over the country, researchers and community members are joining forces to reduce those disparities. The use of community-based participatory research (CBPR) – in which researchers and community members are equal partners in the research process – is growing as a way to reduce those disparities. This course will provide foundational skills in CBPR including a review of ethical issues that can arise.

MPH 610. Pre-Practice Preparation. 1 credit.

Opportunity to establish site, preceptor and focus of the practice experience. Complete site requirements and learning contract prior to beginning MPH 611. P: MPH 601, MPH 602, MPH 604, MPH 605, MPH 606, MPH 607, MPH 608, MPH 609.

MPH 611. Practice Experience. 3 credits.

Opportunity to apply the knowledge and skills acquired through core courses and elective/area of concentration under the supervision of a qualified preceptor who is a public health professional. P: MPH 601, MPH 602, MPH 604, MPH 605, MPH 606, MPH 607, MPH 608, MPH 609, MPH 610, and 9 credit hours of MPH electives.

MPH 612. Capstone. 3 credits.

In this final required course of the degree program, students are expected to integrate insights gained and competencies acquired throughout the program. Applying methods of scholarly inquiry and composition, students will synthesize insights and findings from their practice experience in a publishable-quality article or commentary and will present the findings to fellow students and faculty. P: MPH 601, MPH 602, MPH 604, MPH 605, MPH 606, MPH 607, MPH 608, MPH 609, MPH 610, MPH 611, and 9 credit hours of MPH electives.

MPH 615. Ethical Issues in Population Health: A Global Perspective. 3 credits.

This course provides students with a foundational understanding of the ethical issues related to public health as a discipline and to its practice. The course will emphasize the global dimension of these issues along with their national and local repercussions. While students will explore the theoretical issues with the discipline itself (in regards to the ethical framework best fits population health enterprise), there will also be a more in-depth study of concrete cases that will highlight the multiple and global dimensions of health and healthcare. Global public health ethical issues will be explored within the context of the social and systemic factors that affect population health across the globe. Concrete cases that will be explored may include (but will not be restricted to): globesity, pandemics and vaccination, disasters and humanitarian aid, conflict of interest in screening and medical guidelines, medical research agenda and global justice, and healthcare professionals' education and migration.

MPH 633. Health Economics and Finance. 3 credits.

The course examines fundamental theories in health economics and health care finance and the application of these theories in public health administration. The course emphasizes and understanding of economic issues within the larger social and political context in which public health operates. Economic and finance theories and practices pertinent to the public health sector as well as concepts and practices in financial management that support the successful leadership and administration of public health organizations will be explored in this course.

MPH 634. Health Planning and Marketing. 3 credits.

This course focuses on the understanding and application of health planning and health care marketing models and practices. The course encompasses a range of health planning and marketing models, methods and applications including health systems planning, strategic planning and marketing, program planning and social marketing for public health services. Recognizing the integral role of program evaluation in the planning process, this course will also review best practices for the integration of program evaluation as a component of the overall plan.

MPH 635. Public Health Leadership. 3 credits.

The purpose of this course is to explore leadership theories, identify leadership challenges, and analyze best practices in public health leadership. Emphasis is given to reflection and self-development of decision-making and leadership styles in assuming leadership roles within public health organizations.

Master of Public Health

General Requirements

The Master of Public Health consists of 43 credit hours. All students complete 34 hours of Core Courses and complete 9 hours in one of two possible areas of concentration: Health Policy and Ethics or Public Health Services Administration. Offered in an online format with no required residency, all courses are offered as eight-week modules. Since the program targets working professionals, most students will be enrolled part-time, taking only one course per eight-week term. Students who take one course each term will complete the program in about two-and-a-half years. Near the end of their coursework, students design their Practice Experience to apply the knowledge and skills acquired through core courses and elective/area of concentration under the supervision of a qualified preceptor who is a public health professional. The Capstone course allows students to integrate insights gained and competencies acquired throughout the program.

Core Courses

| | | |
|-------------------------------------------------------------|-----------------------------------------------------------|----------|
| MPH 601 | Organization and Management of Public Health Services | 3 |
| MPH 602 | Community Health Assessment | 3 |
| MPH 604 | Social and Behavioral Aspects of Public Health | 3 |
| MPH 605 | Epidemiology | 3 |
| MPH 606 | Environmental Health | 3 |
| MPH 607 | Biostatistics | 3 |
| MPH 608 | Health Communication and Informatics | 3 |
| MPH 609 | Introduction to Community-Based Participatory Research | 3 |
| MPH 615 | Ethical Issues in Population Health: A Global Perspective | 3 |
| MPH 610 | Pre-Practice Preparation | 1 |
| MPH 611 | Practice Experience | 3 |
| MPH 612 | Capstone | 3 |
| Concentration | | 9 |
| Select one of the concentrations: | | |
| Health Policy and Ethics Concentration: | | |
| MHE 601 | Health Policy | |
| MHE 603 | Law and Health Care Ethics | |
| MHE 606 | Theories of Justice | |
| Public Health Services Administration Concentration: | | |
| MPH 633 | Health Economics and Finance | |
| MPH 634 | Health Planning and Marketing | |
| MPH 635 | Public Health Leadership | |
| Total Credits | | 43 |

Rehabilitation

Program Director: Angela Patterson, OTD, OTR/L

Graduate Study in Rehabilitation

The Master of Science in Rehabilitation with a focus in occupational therapy degree will provide foreign trained rehabilitation professionals an advanced degree in clinical and translational rehabilitation science. The program will help prepare and advance foreign trained rehabilitation professionals' clinical and academic skills and knowledge to become effective leaders in their respective organizations. The clinical focus of the Master of Science in Rehabilitation is on the occupational therapy role in musculoskeletal, neurological, and psychosocial disorders across the lifespan. The academic focus of the degree is to prepare and facilitate the development of the rehabilitation clinical scholar in academic and healthcare environments to assume leadership roles as faculty, managers, and clinical experts.

Program Goals

1. Expand and refine foreign trained and baccalaureate prepared rehabilitation professionals' clinical skills and healthcare knowledge.
2. Enhance foreign trained and baccalaureate prepared rehabilitation professionals' knowledge and skills in designing, implementing, and evaluating clinical interventions, program development, and service delivery across the lifespan.
3. Prepare foreign trained and baccalaureate prepared rehabilitation professionals to assume roles as clinical scholars, to be critical research consumers, and collaborative research conductors.

- Advance knowledge and skills of foreign trained and baccalaureate prepared rehabilitation professionals' in client centered and evidence based interprofessional and ethical practice.
- Facilitate foreign trained and baccalaureate prepared rehabilitation professionals' understanding of the role of the occupational therapist in global healthcare systems, institutions, and public agencies.
- Prepare foreign trained and baccalaureate prepared rehabilitation professionals to assume educational roles as leaders in the academic, clinical, and community settings.
- Develop and demonstrate foreign trained and baccalaureate prepared rehabilitation professionals' understanding of leadership theory and application to assume leadership roles nationally and internationally.

Admissions Requirements

Preferred candidates for the Master of Science in Rehabilitation will be graduates of a foreign (non-U.S.) rehabilitation program with a bachelor's degree in occupational therapy, physical therapy or a rehabilitation-related field.

- Completed application** and non-refundable **\$50 application fee**
- Two letters of recommendation** (please use the electronic recommendation process with the online application). The recommendations should be completed and submitted by persons other than family members who are qualified to assess your performance in an academic or work setting.
- Personal Statement** (minimum two pages; no longer than four pages): Based on your CV/Resume and your other application materials, we should have a good picture of where you have been and what you have done, with a focus on the goals you have set for yourself, and why this program is a good fit for you.
- Resume**
- Bachelor's degree and transcripts in English** for all bachelor's and post-bachelor's coursework, sent directly from the issuing school and containing the institution's official stamp.
- Test of English as a Foreign Language (TOEFL) or International English Language Testing System (IELTS):** All international applicants from countries in which English is not the primary language must demonstrate proficiency in English language by submitting a minimum TOEFL score of 72 iBT (200 CBT/533 PBT) or IELTS score of 6.0.

M.S. in Rehabilitation (p. 163)

Master of Science in Rehabilitation

First Year

Semester 1

MSR/MSOT 503 Introduction to Occupational Therapy

MSR/MSOT 603 Physical Rehabilitation I

MSR/MSOT 613 Rehabilitation with Older Adults

Term Credits

0

Semester 2

MSR/MSOT 553 Research

MSR/MSOT 623 Physical Rehabilitation II

MSR/MSOT 633 Rehabilitation with Children and Youth

Term Credits

0

Second Year

Semester 1

MSR/MSOT 513 Healthcare Advocacy and Leadership

MSR/MSOT 533 Mental Health

MSR/MSOT 643 UE Orthopedics

Term Credits

0

Semester 2

MSR/MSOT 543 Instructional Methods

MSR/MSOT 653 Research Project

MSR 663 Experiential Education for Master of Science in Rehabilitation or MSR 673

Experiential Education Master of Science in Occupational Therapy

Term Credits

0

Total Credits:

0

School Counseling and Preventive Mental Health

Program Co-Directors: C. Timothy (Tim) Dickel and Jeffrey Smith

Graduate Study in Counseling

This program is organized on the assumption that an effective counselor must be a personally adequate person who has a cognitive understanding of humankind and counseling theory. In addition to intellectual understanding, the counselor must continually develop proficiencies and competence in specific skills germane to the helping relationship. It is important for the student beginning this program to understand that he or she is expected to further his or her maturity in all three areas — personal growth, cognitive understanding, and technical competence.

Programs are designed to meet the needs, on the Master's level, of those interested in school counseling roles. These programs are designed to develop the competencies demanded of an individual embarking on a career in this area. Such individuals are usually employed by school systems. To be employed in a school system in Nebraska, a counselor must be certified by a State Department of Education. In many states, counselor certification demands a teaching certificate and teaching experience. It should also be noted that potential employers frequently impose additional requirements above those needed for certification, e.g., teaching experience within that system.

Program Goals

Using the Counselor-Researcher/Scientist model of training, the graduate articulates and understands/demonstrates/displays an attitude of valuing the following:

- Demonstrate individual counseling, group counseling and classroom guidance competence;
- Value career development including the identification of appropriate postsecondary education for every student;
- Understand and value theories of development, learning, social justice, counseling, career development, and cultural competence as well as students with diverse needs;
- Understand the mission of school counseling programs and the model of the American School Counselor Association;

| | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|------------------------------------------------------------------|---|
| 5. Understand legal and ethical standards of the school counseling profession; | COU 604 | Issues in Child and Adolescent Development for School Counselors | 3 |
| 6. Demonstrate knowledge of PK-12 guidance; | | | |
| 7. Understand responsive school counseling services including prevention models; | Fall II | | |
| 8. Understand and value data-informed decision making, including basic concepts of results-based school counseling and accountability issues; | COU 605 | Individual and Program Assessment in School Counseling | 3 |
| 9. Understand basic research and statistical concept to read and conduct research; | | Term Credits | 6 |
| 10. Understand that students possess a spiritual dimension; and | Spring Spring I | | |
| 11. Value Ignatian charisms and their relation to effective school counseling. | COU 606 | Theoretical Perspectives in School Counseling | 1 |

Admission Requirements

- Completed application and application fee
- Official transcripts from all colleges/universities attended
- Three letters of recommendation
- 3.00 GPA (minimum undergraduate)
- One-page resume
- Writing sample: Personal statement on "Why I want to be a counselor"
- Notarized Convictions Statement and Mental Health capacity forms.
- Successful background check
- TOEFL scores for students from countries in which English is not the native language

NOTE: The Nebraska Department of Education (NDE) oversees each teacher education institution in the state. One of the NDE's rules requires that Nebraska residents must have a teaching certificate and two years of successive teaching experience in order to be granted an endorsement in school counseling. Therefore, the program is unable to accept applications from Nebraska residents who do not have a teaching certificate and two successive years of teaching experience. Nebraska applicants must provide a copy of their valid teaching certificate and evidence of two successive years of teaching.

Internship commences with the student completing all coursework and culminates with the student practicing in real-world counseling settings. A student may not enroll in internship until the core requirements including a practicum have been completed. The student who does not plan his or her course work to accomplish this will need to return during another semester or summer session to complete the degree requirements. Occasionally, a student may have completed a core course on another campus before transferring to Creighton. Even though the credit is accepted in the transfer, the competencies assigned to that course must be demonstrated prior to being permitted to enroll in internship. The internship requires 600 clock-hours on site at a school or agency during normal business hours with a minimum of 240 clock-hours identified as direct, face-to-face service. It is expected that the internship will extend over a two-semester period. The course requirements demand two or more semesters for students who cannot gain released time from their present employment.

The internship is taken only after all core courses are completed satisfactorily.

First Year

| | | | |
|-------------|----------------|--|--|
| Fall | Credits | | |
| Fall I | | | |

| | | |
|----------------------|---------------------------------------------------------------------------------------------------|---|
| COU 607 | Data-Driven Perspectives in School Counseling | 1 |
| COU 608 | Career Perspectives for Children and Adolescents | 1 |
| Spring II COU 609 | Individual Planning and Counseling Techniques for School Counselors | 3 |
| | Term Credits | 6 |
| Summer | | |
| GRD 600 | Orientation to Creighton | 0 |
| COU 600 | Professional Orientation to School Counseling | 1 |
| COU 601 | Ethical Guidelines for School Counselors | 1 |
| COU 602 | Introduction to the ASCA Model of School Counseling | 1 |
| COU 603 | Action Research in School Counseling | 3 |
| | Term Credits | 6 |
| Second Year | | |
| Fall | | |
| COU 682 or COU 683 | Internship In Elementary School Counseling or Advanced Internship in Elementary School Counseling | 3 |
| Fall I COU 665 | Issues in Secondary School Counseling | 3 |
| Fall II COU 664 | Issues in Elementary School Counseling | 3 |
| | Term Credits | 9 |
| Spring | | |

| | | | |
|-----------------------|-------------------------------------------------------------------------------------------------------------|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Spring I | | | |
| COU 684 or COU 685 | Internship in Secondary School Counseling or Advanced Internship in Secondary School Counseling | 3 | COU 602. Introduction to the ASCA Model of School Counseling. 1 credit. The class introduces the student to the American School Counseling Association (ASCA) model for comprehensive, developmental programming for schools. Content includes description of the components of foundation, management, delivery, and accountability and how each is integrated to provide exemplary school counseling programs. P: Admission to the Graduate Program or DC; CO: COU 600 and COU 601. |
| Spring II | | | |
| COU 667 | Social Justice and Diversity in School Counseling | 3 | COU 603. Action Research in School Counseling. 3 credits. This class introduces the basic elements of Educational Research with a specific focus on Action Research in the school setting. Students will be introduced to the Institutional Review Board (IRB) and an ethic of working with Vulnerable Populations. Students will start conceptualizing a small scale study. P: COU 600, COU 601, and COU 602. |
| | Term Credits | 6 | |
| Summer | | | |
| COU 660 | Group Counseling Approaches for Children and Adolescents - Group Dynamics | 1 | COU 604. Issues in Child and Adolescent Development for School Counselors. 3 credits. This class is a consideration of child and adolescent development specifically for the school counselor. The course also focuses on preventive interventions that keep children and adolescents on the path to normal physical, cognitive, and social/emotional development. P: COU 603. |
| COU 661 | Group Counseling Approaches for Children and Adolescents-Classroom Guidance | 1 | COU 605. Individual and Program Assessment in School Counseling. 3 credits. This class will focus on the ethic of: selection, administration, score, interpretation, and communication of test results in the school counseling setting. Individual and program assessment will be covered. P: COU 604. |
| COU 662 | Group Counseling Approaches for Children and Adolescents-Small Group Counseling | 1 | COU 606. Theoretical Perspectives in School Counseling. 1 credit. A review of counseling and ecological theories to help school counselors better understand the dynamics of the children and families with whom they will work. P: COU 605; CO: COU 607 and COU 608. |
| COU 663 | Diagnosis and Mental Health Issues in Children and Adolescents | 3 | COU 607. Data-Driven Perspectives in School Counseling. 1 credit. An overview of data-driven, evidence-based counseling approaches for the school counselor. P: COU 605; CO: COU 606 and COU 608. |
| | Term Credits | 6 | |
| | Total Credits: | 39 | |

Degree in Counseling

- Master of Science with a Major in School Counseling and Preventive Mental Health (p. 166)

Courses

COU 600. Professional Orientation to School Counseling. 1 credit.

This course introduces the student to the profession of counseling and the comprehensive nature of the profession. The course is also designed to present how school counseling fits into the expansive profession of Mental Health Counseling. P: Admission to the Graduate Program or DC; CO: COU 601 and COU 602.

COU 601. Ethical Guidelines for School Counselors. 1 credit.

This class introduces students to the ethical guidelines outlined by the American School Counseling Association (ASCA). It discusses the guidelines, related to practical cases, and opportunities for developing an ethical decision making perspective. P: Admission to the Graduate Program or DC; CO: COU 600 and COU 602.

COU 602. Introduction to the ASCA Model of School Counseling. 1 credit.

The class introduces the student to the American School Counseling Association (ASCA) model for comprehensive, developmental programming for schools. Content includes description of the components of foundation, management, delivery, and accountability and how each is integrated to provide exemplary school counseling programs. P: Admission to the Graduate Program or DC; CO: COU 600 and COU 601.

COU 603. Action Research in School Counseling. 3 credits.

This class introduces the basic elements of Educational Research with a specific focus on Action Research in the school setting. Students will be introduced to the Institutional Review Board (IRB) and an ethic of working with Vulnerable Populations. Students will start conceptualizing a small scale study. P: COU 600, COU 601, and COU 602.

COU 604. Issues in Child and Adolescent Development for School Counselors. 3 credits.

This class is a consideration of child and adolescent development specifically for the school counselor. The course also focuses on preventive interventions that keep children and adolescents on the path to normal physical, cognitive, and social/emotional development. P: COU 603.

COU 605. Individual and Program Assessment in School Counseling. 3 credits.

This class will focus on the ethic of: selection, administration, score, interpretation, and communication of test results in the school counseling setting. Individual and program assessment will be covered. P: COU 604.

COU 606. Theoretical Perspectives in School Counseling. 1 credit.

A review of counseling and ecological theories to help school counselors better understand the dynamics of the children and families with whom they will work. P: COU 605; CO: COU 607 and COU 608.

COU 607. Data-Driven Perspectives in School Counseling. 1 credit.

An overview of data-driven, evidence-based counseling approaches for the school counselor. P: COU 605; CO: COU 606 and COU 608.

COU 608. Career Perspectives for Children and Adolescents. 1 credit.

A review of career development and career planning approaches for the school counselor. This class will focus on introducing students to the integration of personality and the world of work. Introducing career exploration and the use of assessments to discover career interests will be an additional focus. P: COU 605; CO: COU 606 and COU 607.

COU 609. Individual Planning and Counseling Techniques for School Counselors. 3 credits.

This class provides the student with the opportunity to demonstrate the specific skills and tools required within school counseling programs for individual planning and counseling. In addition, students will counsel and offer assistance to an individual student within the school setting. P: COU 606, COU 607, and COU 608.

COU 617. Practicum I. 2 credits.

This course is required of students who enter the program without a teaching certificate. This course requires a student to spend 100 hours in a school setting completing required tasks to acquaint the student with the culture of the school. P: COU 603; CO: COU 604.

COU 618. Practicum II. 2 credits.

This course is required of students who enter the program without a teaching certificate. This course requires a student to spend 100 hours in a school setting completing required tasks to acquaint the student with the culture of the school. P: COU 617; CO: COU 606, COU 607, and COU 608.

COU 660. Group Counseling Approaches for Children and Adolescents - Group Dynamics. 1 credit.

A study of group dynamics with particular application to the work of the school counselors. P: COU 609; CO: COU 661 and COU 662.

COU 661. Group Counseling Approaches for Children and Adolescents-Classroom Guidance. 1 credit.

An emersion into the world of classroom guidance activities as strategies for prevention and remediation in the school setting. P: COU 609; CO COU 660 and COU 662.

COU 662. Group Counseling Approaches for Children and Adolescents-Small Group Counseling. 1 credit.

An overview of the knowledge and practice in the skills necessary to conduct successful small group counseling for children and adolescents. P: COU 609; CO: COU 660 and COU 661.

COU 663. Diagnosis and Mental Health Issues in Children and Adolescents. 3 credits.

This class will introduce the task of using DSM principles to conceptualize a diagnostic impression for children and adolescents. The diagnostic impression is the second step after assessment in the continuum of care and treatment planning. P: COU 660, COU 661, and COU 662.

COU 664. Issues in Elementary School Counseling. 3 credits.

This class addresses the critical issues that permeate school counseling today. Issues revolve around the areas of academic success, career exploration, and personal/social development. These topics are related to the counselor who serves the elementary school setting. P: COU 663; CO: COU 682.

COU 665. Issues in Secondary School Counseling. 3 credits.

This class addresses the critical issues that permeate school counseling today. Issues revolve around the areas of academic success, career exploration, and personal/social development. These topics are related to the counselor who serves the secondary school setting. P: COU 663; CO: COU 684.

COU 667. Social Justice and Diversity in School Counseling. 3 credits.

This class will focus on cultural competence counseling in school settings. With the changing demographics and immigration/migration dynamics taking place locally, nationally, and internationally, students will be introduced to the diverse nature of students and their needs. P: COU 682 or COU 683.

COU 670. Selected Topics in Counseling. 1-3 credits. SU

Theoretical and applied aspects of counseling as selected by the designated instructor.

COU 682. Internship In Elementary School Counseling. 3 credits. FA, SP

This class culminates the students' clinical experience in an elementary school counseling setting. Students will demonstrate competence in the following areas: Individual, Group counseling, Individual Student Planning, Developmental Classroom Guidance, and Consultation. In addition, the student completes the Action Research-related project begun in the COU 603 class. P: COU 663 and DC.

COU 683. Advanced Internship in Elementary School Counseling. 3 credits. FA, SP

This is a continuation of COU 682 and will culminate in the accumulation of the hours and experiences necessary for program completion. P: COU 682 and DC.

COU 684. Internship in Secondary School Counseling. 3 credits. FA, SP

This class culminates the students' clinical experience in a secondary school counseling setting. students will demonstrate competence in the following areas: Individual, Group counseling, Individual Student Planning, Developmental Classroom Guidance, and Consultation. In addition, the student complete the Action Research-related project begun in COU 603. P: COU 663 and DC.

COU 685. Advanced Internship in Secondary School Counseling. 3 credits. FA, SP

This is a continuation of COU 684 and will culminate in the accumulation of the hours and experiences necessary for program completion. P: COU 684 and DC.

COU 793. Directed Independent Readings. 1-3 credits. FA, SP

Intensive reading in an area as approved by the department. P: DC.

COU 795. Directed Independent Study. 1-3 credits. FA, SP

Independent research on a topic designed by the student with the approval of an adviser from the department. P: DC.

COU 797. Directed Independent Research. 1-3 credits. FA, SP

Intensive research in an area as approved by the department. P: DC.

COU 799. Master's Thesis. 1-3 credits. FA, SP

Research in connection with the preparation of the Master's thesis. Students must register for this course in any term when engaged in formal preparation of the Master's thesis; however, six credit hours are the maximum applicable toward the degree.

Master of Science with a Major in School Counseling and Preventive Mental Health

NOTE: The Graduate Program in Counseling is based on the standards identified within the American School Counselor Association (ASCA) national model.

Master of Science (M.S.) with a Major in School Counseling and Preventive Mental Health (36 credits)

All degree candidates are required to take the following required courses and choose one track:

NOTE: For those students from states outside of Nebraska, without teaching certificates, COU 617 Practicum I and COU 618 Practicum II are required.

Required Courses

| | | |
|---------|------------------------------------------------------------------|---|
| COU 600 | Professional Orientation to School Counseling | 1 |
| COU 601 | Ethical Guidelines for School Counselors | 1 |
| COU 602 | Introduction to the ASCA Model of School Counseling | 1 |
| COU 603 | Action Research in School Counseling | 3 |
| COU 604 | Issues in Child and Adolescent Development for School Counselors | 3 |
| COU 605 | Individual and Program Assessment in School Counseling | 3 |
| COU 606 | Theoretical Perspectives in School Counseling | 1 |
| COU 607 | Data-Driven Perspectives in School Counseling | 1 |
| COU 608 | Career Perspectives for Children and Adolescents | 1 |

| | | |
|--------------------------|---------------------------------------------------------------------------------|-------|
| COU 609 | Individual Planning and Counseling Techniques for School Counselors | 3 |
| COU 660 | Group Counseling Approaches for Children and Adolescents - Group Dynamics | 1 |
| COU 661 | Group Counseling Approaches for Children and Adolescents-Classroom Guidance | 1 |
| COU 662 | Group Counseling Approaches for Children and Adolescents-Small Group Counseling | 1 |
| COU 663 | Diagnosis and Mental Health Issues in Children and Adolescents | 3 |
| COU 667 | Social Justice and Diversity in School Counseling | 3 |
| Choose one Track. | | 9-12 |
| Total Credits | | 36-39 |

Elementary School Guidance Counselors Track

| | | |
|----------------------|-----------------------------------------------------|---|
| COU 664 | Issues in Elementary School Counseling | 3 |
| COU 682 | Internship In Elementary School Counseling | 3 |
| COU 683 | Advanced Internship in Elementary School Counseling | 3 |
| Total Credits | | 9 |

Secondary School Guidance Counselors Track

| | | |
|----------------------|----------------------------------------------------|---|
| COU 665 | Issues in Secondary School Counseling | 3 |
| COU 684 | Internship in Secondary School Counseling | 3 |
| COU 685 | Advanced Internship in Secondary School Counseling | 3 |
| Total Credits | | 9 |

PK-12 School Counseling Track

| | | |
|----------------------|-----------------------------------------------------|----|
| COU 664 | Issues in Elementary School Counseling | 3 |
| COU 665 | Issues in Secondary School Counseling | 3 |
| COU 682 | Internship In Elementary School Counseling | 3 |
| or COU 684 | Internship in Secondary School Counseling | |
| COU 683 | Advanced Internship in Elementary School Counseling | 3 |
| or COU 685 | Advanced Internship in Secondary School Counseling | |
| Total Credits | | 12 |

If one desires to be **certified** to function as a counselor in an elementary or a secondary school, entrance into the program requires 24 semester hours of social/behavioral sciences and a teaching certificate if the candidate resides in Nebraska.

The programs are competence based so that a candidate must demonstrate competency in a number of skills in each course in the counseling core before receiving a satisfactory grade.

Theology

Program Director: Richard W. Miller

Program Office: Humanities Center, Room 134

Graduate Study in Theology

The graduate program in theology engages Christians of all denominations in intensive investigations of developments in the major areas of contemporary theology: Biblical Studies, Systematic

and Historical Studies, Christian Life Studies (Moral Theology and Spirituality).

The program is designed to provide a broad overview of the major areas and concentration in one area of theology chosen by the student. The program is intended for students preparing for doctoral studies, for the growing number of professionals engaged in theological and ministerial activities in churches and schools, for lay people seeking to further their theological education.

While respecting and exposing students to other religious traditions, Creighton University, a Catholic and Jesuit university, conducts its theological inquiries within the Catholic-Christian tradition.

Inquiries about the program should be directed to:

The Director
Graduate Program in Theology
Department of Theology
Creighton University
Omaha, NE 68178

Program Goals

General Learning Outcomes

General Knowledge

1. Broad knowledge of methods, movements, figures, and primary texts in the three major areas of contemporary theology: Biblical Studies, Systematic and Historical Studies, Christian Life Studies (Moral Theology & Spirituality);
2. An understanding of the role of theological scholarship in the life of the Church.

Skills

1. Ability to reflect critically and creatively upon the relationship between the Christian tradition (as expressed in classic religious texts and arguments) and contemporary experience;
2. Ability to deal with change and sequence in the development of Christian self-understanding and discipleship;
3. Ability to read primary texts and the pertinent secondary literature critically;
4. Ability to research and write a coherent theological paper;
5. Ability to think critically and constructively and to engage in theological conversation.

Admission Requirements

Entry into the program requires a bachelor's degree from an accredited institution with a minimum of nine (9) semester hours of credit in theology or equivalent. Those applicants who have not taken 9 hours of theology can be admitted on a probationary status, which means that the student will have to take 9 credit hours in Creighton's University College and earn a grade of B or higher in three courses. Applicants should also have a "B" average in their undergraduate work and Graduate Record Exam (GRE) scores of at least 153 on the verbal section of the exam. Applicants can be admitted on probationary status for GRE scores from 149-152. GRE scores from the last 10 years are accepted. If you took the GRE in the old format, then you are required to have GRE scores of at least 500 on the verbal section. The Graduate School requires all students from countries in which English is not the native language to demonstrate competence in English by a score of 90 on the Internet-based Test (iBT) TOEFL (Test of English as a Foreign Language) examination at the graduate level.

Degrees in Theology

- Master of Arts with a Major in Theology (p. 175)
- M.A. in Theology/M.Ed. Secondary School Teaching Dual Degree Program (p. 176)
- M.A. in Theology/Religious Education Teaching Certification (Two-Years) (p. 176)
- Master of Arts in Ministry (p. 176)

Courses

THL 501. The Pentateuch. 3 credits. OD

Origin and composition of the first five books of the Bible. Historical and theological traditions contributing to their formation. Emphasis on their unique theology and on the use of the books in the New Testament period.

THL 502. Old Testament Themes. 3 credits. OD

In-depth study of the themes of covenant and community as they are developed in the Pentateuch and in Prophetic and Wisdom Literature. A survey of contemporary scholarship will support a careful study of the pertinent texts.

THL 503. The Prophetic Literature Of The Old Testament. 3 credits. OD

The uniqueness of the prophetic movement. Background literary styles, relevance of the prophetic message.

THL 504. The Wisdom Literature Of The Old Testament. 3 credits. OD

Study of the patterns of Proverbs, Job, Ecclesiastes, some of the Psalms, compared with the wisdom literature of other ancient peoples.

THL 505. History of Biblical Interpretation. 3 credits.

A wide-ranging historical examination of the ways in which individuals and communities have understood and appropriated the texts of the Bible. Specific topics include theologies of Scripture, inner-biblical interpretation, early Jewish and Christian exegesis, medieval interpretation, and the study of the Bible during the Renaissance, Reformation(s), scientific revolution, and the modern period. P: THL 100 and 200-level Scripture course and Jr. stdg.

THL 507. The Gospel of Matthew. 3 credits. OD

A study of the theological vision of the text of this gospel, using all available methods and resources: redaction criticism, composition criticism, narrative criticism, etc.

THL 508. The Gospel of Mark. 3 credits. OD

A study of the first written gospel, its outline and structure, authorship, sources and influence on later New Testament writings.

THL 509. The Gospel Of Luke And The Acts Of The Apostles. 3 credits. OD

Study of Luke-Acts as a two-volume whole - a work of history, theology, and literary artistry.

THL 511. The Gospel of John. 3 credits. OD

Study of the unique witness to the meaning of Jesus in the Johannine Gospel.

THL 514. The Pastoral Epistles. 3 credits. OD

The first attempts to weld Christianity and Western humanism as initiated in the Epistles to Timothy and Titus.

THL 516. The Book Of Revelations (The Apocalypse). 3 credits. OD

A contemporary scholarly interpretation of the book of Revelation with reference to contemporary apocalyptic.

THL 517. The Parables of Jesus. 3 credits. OD

Stories that formed the core of Jesus' preaching. How he told them. How the evangelists retold them. How we understand them today.

THL 518. Women and the Bible. 1-3 credits. OD (Same as WGS 518, CSP 680)

Study of the representations of women in biblical narratives; attention to the construction of gender in the ancient world. Introduction to the various approaches contemporary women are taking to these biblical texts.

THL 520. The Dead Sea Scrolls. 3 credits. OD (Same as CNE 520)

Introduction to the Dead Sea Scrolls and various theories about their origin. Exploration of the light they shed on the textual history of the Hebrew Bible, developments in ancient Judaism, and the early history of Christianity.

THL 523. Israelite Religions. 3 credits. (Same as CNE 523)

This course will examine the manifold expressions of Israelite religions - biblical, archaeological, and epigraphic. Emphasis will be placed on the diversity of Israelite religions and the relationship of Israelite religions to the religions of her Near Eastern neighbors. P: Jr. stdg.

THL 524. History of Ancient Israel. 3 credits. OD (Same as CNE 524, HIS 524)

An examination and reconstruction of the history of ancient Israel from biblical and other ancient New Eastern literary texts, and from archaeological and epigraphic materials.

THL 525. Archaeological Fieldwork And Analysis. 3 credits. SU (Same as ANT525, CNE 525)

The student learns the principles of stratigraphic archaeology (or underwater archaeology) by participating in an excavation for a minimum of four weeks. The student will learn stratigraphic theory and excavation strategy, basic archaeological techniques, and the basic analysis of archaeological materials recovered from the site. (Underwater archaeologists will learn basic underwater techniques in place of some terrestrial methods.) CO: THL 526.

THL 526. Archaeology Of Roman Palestine. 3 credits. SU (Same as ANT 526, CNE 526)

Study of ancient Palestine from the rise of the Herodian dynasty in the first century B.C.E. to the aftermath of the Muslim conquest in the seventh century C.E. The material of the course is the physical remains of archaeological sites throughout modern Israel, along with movable cultural remains that issued from these sites. The major focus of the course will be the interaction between Classical Mediterranean civilization on the one hand, and the Israelites and other Middle Eastern peoples on the other, in the age that yielded Rabbinic Judaism, Christianity and Islam. CO: THL 525.

THL 527. Study Tour of Biblical Israel. 3 credits. SU

Two-week guided tour of the biblical sites in Israel. Typical sites: Caesarea Maritima, Sea of Galilee, Tiberias, Bethsaida, Capernaum, Tabgha, Jordan River, Sepphoris, Megiddo, Nazareth, Mt. Tabor, Hazor, Tel Dan, Caesarea Philippi, Tel Bet Shean, Jericho, Judaeen Wilderness, Mt. of Olives, Bethlehem, Jerusalem, Masada, and Qumran. A biblical scholar accompanies the group, supplementing local guides. Requirements include readings before trip, written reflections afterward.

THL 529. Translations of the Bible. 3 credits. (Same as CNE 529)

Various ancient translations of the Bible and their significance.

THL 530. Contemporary Catholic Theologians. 3 credits. OD

Key themes in the thought of Rahner, Conger, De Lubac, Lonergan, and other contemporary Catholic theologians.

THL 531. Studies in Early Christianity. 3 credits. FA, OD

The emergence of early Christian theology through the writing of the theologians of the first 500 years of the Church's history. Attention to some of the following themes: the development of the doctrine of the Trinity, the emergence of Classical Christology, early Christian exegesis, the thought of St. Augustine.

THL 533. Ecclesiology: Contemporary Church Questions. 3 credits.

Basic contemporary questions about the life of the church will be explored in the context of the Creed and traditional dogmatic theology. Particular emphasis on the church's transition into the third millennium.

THL 534. Introduction to Liberation Theology. 3 credits. OD

Liberation theology arose during the sixties and seventies in Latin America as a way of reflecting upon and acting out Christian faith from the perspective of those who directly experience a world of poverty, injustice and violence. Although particular to Latin America, the issues raised by liberation theology are relevant to Christianity in North America as well.

THL 535. Doctrinal Development: Christology. 3 credits. OD

Development of the Christian community's understanding and teaching about the person and work of Jesus Christ.

THL 536. The Mystery of God and the Suffering of Human Beings. 3 credits.

This course will treat the problem of reconciling the Christian claim that God is love, as expressed in the doctrine of providence, with the reality of human suffering.

THL 537. Doctrinal Development: Sin And Grace. 3 credits. OD

Development of the Christian community's understanding and teaching about the mysteries of grace and sin.

THL 538. Seminar in Christian Anthropology. 3 credits. OD

Study of Christian theological anthropology in eastern and western traditions.

THL 539. Seminar in Christian Eschatology. 3 credits.

Study of issues and images related to the theology of the afterlife in Christian traditions. P: 200-level Scripture Course and Jr. stdg.

THL 540. Ecclesiology: The Documents of Vatican II. 3 credits. OD

Basic contemporary questions about the life of the church will be explored through a careful study of *Lumen Gentium* and other selected documents from Vatican II. The Council's theology is examined in the context of the Creed and traditional dogmatic theology.

THL 541. God is Green. 3 credits.

This course explores Christian environmentalism in historical and contemporary context. Topics include the ancient church, the reformation, the impact of modern science, environmental ethics, Catholic magisterial teaching, and Christian environmental spirituality.

THL 544. Christian Celebration: The Liturgical Year. 3 credits. OD

Biblical origins and historical development of feast and season, e.g., Christmas and Easter. The theologies of the saints' days and celebrations. History and meaning of daily common prayer in the Church.

THL 545. Liturgy and Christian Life. 3 credits. OD

The historical development of Western Liturgy and its technical interpretation through the centuries. Emphasis on the saving presence of Christ and on the role of liturgy in the rest of Christian life.

THL 552. Studies in Medieval Christianity. 3 credits. SP

This course surveys the history and theology of the medieval Church, examining key religious institutions (e.g., the papacy, monastic orders, universities) and key leaders and theologians (e.g. Benedict, Gregory VII, Anselm, Bernard of Clairvaux, Francis of Assisi, Thomas Aquinas). P: One Magis Core The Christian Tradition course; a 200-level Scripture course; Jr. stdg.

THL 553. Reformation Theology. 3 credits.

This course examines the history and theological controversies of the Reformation. Students will be introduced to: the various reform efforts of the late medieval Church; the influence of Christian Humanism; the writings of significant Protestant theologians; and the response of the Roman Catholic Church to these reform efforts. P: One Magis Core The Christian Tradition course.

THL 555. Major Christian Theologian. 3 credits. SP

This course involves an in-depth study of the life and writings of a major Christian theologian, one who shaped Christian history and doctrine in a decisive way: for example, Origen, Gregory of Nyssa, Augustine, Maximus the Confessor, Bonaventure, Thomas Aquinas, Martin Luther, John Calvin. This course is repeatable is taken under a different topic to a maximum of 6 credits. P: One Magis Core The Christian Tradition course; a 200-level scripture course; Jr. stdg.

THL 556. Christianity and Modern Humanism. 3 credits.

Comparative study of classical Christian accounts of the human condition and various modern, post-theological accounts. P: One Magis Core The Christian Tradition course.

THL 560. Theology of Ministry. 3 credits. OD

Through historical investigation of the practice of ministries in the western church from earliest times to the present, this course aims to arrive at some systematic conclusions about the nature of ministry.

THL 561. Finding God In Daily Life: Prayer And Discernment. 3 credits. OD

General introduction to Christian spirituality with special emphasis on Ignatian spirituality. Goal is to deepen understanding of spirituality as well as to improve the quality of Christian living by developing practices of personal prayer and discernment of spirits. Special emphasis placed on the theology of the Holy Spirit, Ignatian spirituality and the spirituality of Thomas Merton. P: One Magis Core The Christian Tradition course; a 200-level Scripture course; Jr. stdg.

THL 563. Contemporary Moral Problems. 3 credits. OD

A comprehensive study of one or more moral issues facing contemporary society.

THL 564. Christian Sexual Ethics. 3 credits. OD

Investigation of the historical and methodological dimensions of sexual ethics within the Catholic tradition; contemporary magisterial teachings on issues such as premarital sex, artificial birth control, homosexuality, and reproductive technologies; critical analysis of those teachings from various theological perspectives.

THL 565. Catholic Social Teaching. 3 credits. OD (Same as JPS 565)

Historical development of Catholic social teaching from the 1891 publication of "The Condition of Labor" to the present. Students are encouraged to apply the core insights of the tradition to contemporary issues.

THL 566. Catholic Social and Sexual Ethics. 3 credits.

This course investigates, compares, and contrasts the methodological foundations of Catholic social and sexual ethics using Scripture, tradition, reason, and experience. It also explores and critically analyzes Catholic social and sexual teaching on issues such as poverty, immigrant rights, cohabitation, and homosexuality from various theological, sociological, historical, cultural, and biological perspectives.

THL 568. Women In The Christian Tradition. 3 credits. OD (Same as WGS 568)

Study of the outlook on man, woman, and divinity in the Bible, the Christian churches past and present, and "post-Christian" feminism. Examination of the Judeo-Christian tradition, both the pervasiveness of its patriarchal assumptions, and the liberating resources it can contribute to a healthy understanding of maleness and femaleness today.

THL 572. Ethics and Spirituality. 3 credits. OD

Consideration of the diverse spiritual traditions of Christianity to see asceticism, prayer, contemplation and discernment as categories which bridge spirituality and ethics. The traditional strands of Christian spirituality as resources for the contemporary life of faith and action. Readings from John of the Cross, Kierkegaard, Kenneth Kirk, Dorothy Day, Merton, Barth and Rahner.

THL 573. Religion and Politics. 3 credits. OD

Four Christian formulations of the relation of religion to politics: the sectarian approach, linked to liberal humanism; the natural law tradition, reformulated as basic human rights; the integration of religion and politics in liberation theology; and Christian realism with its dialectic of distance and engagement. Some of the complex interpenetrations of religious issues and political realities. P: One course of The Christian Tradition (THL 110-125) and a 200-level Scripture course and Jr. stdg.

THL 574. Faith and Food. 3 credits. OD

A biblical and contemporary approach to food as fellow creature, medium of fellowship, component of worship, tool of exploitation, prophetic symbol, and object of stewardship.

THL 575. Foundations of Christian Spirituality. 3 credits. AY, FA, SP

Designed to introduce students to the major historic and contemporary themes, images and practices in the Christian spiritual tradition. Focus on students' integration of that tradition into their own lives.

THL 576. Introduction to Jesuit Spirituality. 3 credits. OD

Study of the life and selected writings of St. Ignatius Loyola as well as contemporary interpretation of his spirituality. Topics include Jesuit prayer, selections from the Constitutions of Society of Jesus, chief documents from the 32nd Congregation of the Society of Jesus, discernment, and the vow of obedience.

THL 577. Special Questions in Jesuitica. 1-4 credits.

Systematic and/or historical investigation of topics relating to the Society of Jesus. Content and number of credits to be specified when the course is offered. (This course offered only at the Jesuit College, St. Paul, Minn.

THL 579. Special Methods of Teaching Religion in the Secondary Schools. 3 credits. (Same as EDU 579)

Overview of the principles for communicating the Christian message effectively to different age levels with opportunities to observe and put them into practice. The course deals with the objectives and functions of religious education in terms of secondary school learning experiences. Attention is directed to the selection, organization, and presentation of meaningful learning materials and selection, use and evaluation of textbooks and related aids. P or CO: EDU 341 and EDU 342 or EDU 551 and EDU 552.

THL 585. Foundational Principles And Leadership Skills For Youth Ministry. 4 credits. OD

The foundational understandings and principles of comprehensive youth ministry; a deeper understanding for the minister of the theological foundations of Youth Ministry. Theories, skills and approaches for effective leadership in ministry.

THL 586. Fostering The Faith Growth Of Youth Through The Components Of Youth Ministry. 4 credits. OD

Exploration of adolescent spirituality, theological and spiritual foundations for engaging young people in the work of justice and service, theological understandings of faith, discipleship, and Catholic identity, and caring for young people and their families.

THL 587. Methods Of Teaching Religion In Elementary School. 3 credits. AY, FA (Same as EDU 587)

The course is designed to prepare students to effective religious educators in Catholic elementary schools. The course content will encompass the four dimensions of religious education: message, community, service and worship. Students will not only become acquainted with methods and materials for teaching religion, but they will also gain experience planning liturgical celebrations.

THL 588. Christian Ethics of War and Peace. 3 credits. OD (Same as JPS 588)

Introduction to the development and application of Christian ethical perspectives on the use of lethal force from the biblical period to the present day. Just war theory and pacifism in both Catholic and Protestant traditions. Special attention given to the formation of personal conscience in reflection on public policy and world events, both historical and current. P: PHL 250/THL 250 or One Magis Core Ethics course and Jr. stdg.

THL 592. Practicum in Ministry. 3-6 credits.

Supervised experience and development of skills in appropriate ministry under faculty direction.

THL 594. Special Seminar in Biblical Studies. 3 credits.

May be repeated to a limit of six hours.

THL 596. Special Seminar in Historical-Doctrinal-Liturgical Studies. 3 credits.

May be repeated to a limit of six hours. P: DC.

THL 598. Special Seminar in Christian Life Studies. 3 credits.

May be repeated to a limit of six hours. P: DC.

THL 660. Dreams and Spiritual Growth. 1-3 credits. SU (Same as CSP 660)

This course will explore the significance of dreams in discerning spiritual growth. Some attention will be given to the role of dreams in scripture and Christian tradition. The primary aim of the course is to familiarize participants with the psychology of dreaming and with contemporary methods for discerning the religious meaning of one's dreams: in one's own spiritual growth and development as well as in working with dreams in the context of spiritual direction.

THL 661. T'ai Chi Chih: Joy Through Movement. 1 credit. SU (Same as CSP 661)

T'ai Chi Chih's body movement meditation releases stress by relaxing the body and refreshing the mind. The twenty simple movements can be done by all regardless of age and physical condition.

THL 662. Chi-Kung Moving Meditation: Embodying Spiritual Attentiveness. 1 credit. SU

An introduction for Christians to an ancient system of movements developed by Chinese hermits and contemplatives in order to harness and order the body's energies, thereby providing a positive role for the body in spiritual development. This class is also open to students enrolling as auditors.

THL 664. Spirituality of John. 1 credit. SU (Same as CSP 664)

Course examines themes from writings of John central for spirituality.

THL 665. Theological Virtue Ethics. 3 credits. (Same as MLS 665)

In recent decades, virtue ethics has made a comeback. This seminar will give a close reading to the principal source of Christian virtue ethics, Thomas Aquinas's *Treatise on the Virtues*. We will then examine a contemporary Ignatian appropriation of virtue for a Christocentric ethics for the real world today.

THL 666. Centering Prayer And The Experience Of God. 1 credit. SU (Same as CSP 666)

Contemplative practices such as *Lectio Divina* and Centering Prayer, which directly cultivate the experience of God's presence and extend the interior silence of prayer into daily life. Additional topics include prayer as relationship, the experience of the Dark Night, and fruits of contemplative prayer in daily activity.

THL 667. Contemplative Theological Reflection. 1-3 credits. (Same as CSP 667)

Through the development of the skill of contemplative theological reflection, CSP students learn to reflect on their personal and ministerial or work experiences to discern the call of transformation and integration in the midst of the Christian tradition and world realities. This is a personal and group process and takes place in a peer faith setting.

THL 669. Salesian Spirituality. 1-3 credits. SU (Same as CSP 669)

Introduction to the Salesian spiritual tradition co-founded in 17th century by Francis de Sales and Jeanne de Chantal. Seminal texts such as *Introduction to the Devout Life* as well as the lives of the founders as backdrop for exploration of central Salesian themes as resources for contemporary living.

THL 670. Art and Spirituality. 1-3 credits. OD (Same as CSP 670)

With an experiential, hands-on format using watercolor and other art media, this course provides an opportunity for right-brain expressions of prayer, spiritual understanding, and experience of God.

THL 672. Text And Context: A Study Of The Bible In Transmission And In Translation. 3 credits.

The Bible, both Old Testament (or Hebrew Bible) and New Testament, has been transmitted (that is, copied in original languages) and translated (into other languages) more than any other document from antiquity. This course will focus on the social, political, historical, religious, even technological circumstances in which this activity has been conducted for more than two millennia, exploring how the texts reflect both the contexts of the copyists and translators, their own society and their understanding of the sacred texts with which they worked.

THL 673. Spiritual Dialogue: East Meets West. 3 credits. OD (Same as CSP 673)

Overview of perspectives and practices from Eastern wisdom that have parallels in Christianity and can deepen prayer experiences, as well as Eastern ideas that challenge Christian beliefs.

THL 675. Spirituality of Luke-Acts. 3 credits. SU (Same as CSP 675)

Study of the spirituality implicit in Luke's two-volume masterpiece. Focus on God, Jesus, Holy Spirit, discipleship, possessions, community, mission, the Christian reading of the Hebrew Scriptures, and how narrative is a vehicle of theology and spirituality.

THL 677. Spirituality, Psychological Foundations, and Practice of Forgiveness. 1-3 credits. (Same as CSP 677)

The imperative to forgive is central to Christian identity, discipleship, and building authentic intimacy with God and others. This course explores spiritual, theological, and psychological perspectives on forgiveness. Through journaling, prayer, guided reading/reflection, and class discussion, students will be encouraged to develop, practice, and personally appropriate a spirituality of forgiveness.

THL 678. The Spirituality of Paul. 1-3 credits. SU (Same as CSP 678)

A study of the Pauline correspondence to analyze what these letters imply regarding the gospel vision as a way of seeing that leads to a way of being. This course will focus especially on Paul's Jewish background and his use of that tradition to explain Jesus as the climax of the covenant and his way as the fullness of human being; creation, community, cross, new creation.

THL 691. Eco Spirituality. 3 credits.

This course explores emerging environmental spirituality within the broad Christian spiritual tradition. The course considers the Christian understanding of the relationship between humans and non-human nature. It also considers Christian practices that can be re-imagined to foster sustainable living.

THL 700. Seminar in Biblical Studies. 3 credits.

Introduction to fundamental issues in biblical studies, with special attention to methodology and development of research skills.

THL 701. Biblical Interpretation: Hermeneutics In The Writing And In The Reading Of Scripture. 3 credits. OD

A study of the ongoing interpretive process that first formed the Judeo-Christian biblical traditions and then made use of those traditions in the development of the post-canonical tradition. First, how the Bible was made; then, what was made of the Bible. Implications for interpreting Scripture today.

THL 702. The Gospel of Mark. 3 credits. OD

In-depth study of earliest gospel, using historical, literary, and theological perspectives. Special attention to Mark's use of the Old Testament, his interpretation of Jesus and the Church, and the implications for using this text for Christian life and worship today.

THL 703. The Social And Historical Context Of The Bible. 3 credits. OD

An examination of the social and historical world out of which the texts of the Bible were written.

THL 704. Contemporary Biblical Interpretation: The Synoptic Gospels. 3 credits. OD

Investigation of the two main approaches to biblical interpretation, the historical critical method and the literary aesthetic method, and of the specific theories of reading from which they derive. Reasons for following the scenario model of reading. Methods applied to selected Synoptic passages and to selected statements of church councils to test their ramifications.

THL 705. New Testament Churches. 3 credits. OD

Study of realities of first-century church life expressed and implied in the canonical documents, e.g. the church of Mark, of Matthew, of John, of Luke-Acts, of Hebrews, of 1 and 2 Corinthians. In what ways are these New Testament images of first-century church life normative for church life today?.

THL 706. The Gospel of Matthew. 3 credits. OD

An in-depth exploration of the Gospel of Matthew using a variety of methods, especially redaction criticism and narrative analysis. Special attention to Hebrew Bible background.

THL 707. The Life and Spirituality of Ignatius of Loyola. 3 credits. OD

Course presents the historical context, life and spirituality of Ignatius of Loyola. Focusing on his writings, especially The Spiritual Exercises, it explores relevance for contemporary spirituality. Special attention paid to recent superior general Father Pedro Arrupe as an interpreter of Ignatius for today. Course invites students to practice Ignatian spirituality and to reflect on relevance for own spirituality.

THL 708. Paul: The Major Writings. 3 credits. OD

Study of Galatians, Romans, and the Corinthian correspondence, with special attention to their literary forms and their implied pastoral settings.

THL 709. The Gospel of John: Contemporary Approaches. 3 credits. OD

An investigation into the framework of John and exegesis of select text-segments in terms of Johannine source criticism, historical criticism and socio-linguistics, viewing the gospel as a prime example of anti-language.

THL 710. The Mediterranean Matrix of Christian Theology. 3 credits. OD

Christian theology has most often been articulated in analogies taken from the Mediterranean world and Mediterranean social experience: God the Father, Trinity, Grace, Salvation, Mediation, Patron Saint, Holiness and the like rank among such analogies. This course investigates the cultural and contextual meanings of these analogies, not as sets of abstract philosophical ideas, but as the vibrant social metaphors they originally were. Comparative scenarios describing the culture(s) of the Mediterranean basin are presented. The aim is adequate interpretation of what these originally meant in their Mediterranean setting, with parallel developments in Judaism and Islam.

THL 711. Israelite Religion In Perspective. 3 credits. OD

The development of the religion of Israel will be studied from its origins to the time of Jesus. Emphasis will be placed on the relationship between Israel's religion and the religion of her Near Eastern neighbors, and on its continuities and discontinuities with the Christian faith.

THL 712. Creation and Ethical Order. 3 credits. OD

The biblical views of creation will be studied and compared with ideas of creation in other cultures, ancient and modern. Emphasis will be placed on the role creation plays in structuring societal values and defining the meaning of existence.

THL 713. Liberationist Readings of New Testament Texts. 3 credits. OD

The perennial hermeneutical issue - how one interprets, understands, and uses past traditions in the present - addressed from a liberationist perspective. Introduction to hermeneutical theory followed by examination of readings of New Testament texts from diverse liberationist perspectives: South African, Latin American, feminist, and womanist.

THL 714. The Pentateuch: Issues Of Ethics And Morality. 3 credits. OD

A textcritical study of human behavior in the narratives of the Pentateuch focusing on the Book of Genesis. These stories are examined in light of their ancient Near Eastern sociohistorical context to better understand their often strange, sometimes disturbing plots and to discern their timeless and universal themes.

THL 715. Marian Spirituality. 1-3 credits. SU (Same as CSP 715)

This course will explore "Mary as mother and teacher of the spiritual life," e.g., Mary and the Holy Spirit, Mary's virtues, Mary as first disciple of the Lord, as Servant of the Lord, and as Model of the Church. This course likewise studies the various expressions of Mary's place in the universal call to holiness, e.g., the "Marian thread" in the lives of the Saints, with a special emphasis on the new Saints and Blesseds of Pope John Paul II.

THL 716. Spirituality of Reconciliation. 3 credits. SU (Same as CSP 716)

Explores biblical, sacramental, theological and spiritual dimensions of Christian reconciliation. Examines global case studies of Christian social reconciliation such as South Africa, Northern Ireland, Rwanda, and the American South. Students will be asked to develop a spirituality of social reconciliation for their own local Christian communities.

THL 717. Jungian Psychology and Christian Spirituality. 3 credits. SU (Same as CSP 717)

This course will explore the relationship between major aspects of Jung's psychological theory and Christian Spirituality. The principal aim of the course is to familiarize participants with basic concepts of Jungian psychology and to assimilate what is most useful in Jung for pastoral practice, one's own spiritual life and development as well as spiritual direction. Some films and fairytales will be used to convey concepts.

THL 718. A Theology and Spirituality of Conversion. 3 credits. SU (Same as CSP 718)

Freedom to respond to the grace of conversion into the likeness of the Son of God is the hallmark of Christian discipleship and the hoped for outcome of spiritual direction in general and the Spiritual Exercises in particular. To balance theory with practice we will examine Ignatius of Loyola's human and spiritual conversion. Students will apply course work to their personal growth and development so as to better prepare for the ministry of spiritual direction.

THL 722. Mary in Life of St. Ignatius. 1 credit. (Same as CSP 722)

This short course will explore Mary in the life of St. Ignatius by investigating his autobiography and other writings. It is written, "Ignatius dreamed of a lady who was for him the doorway of the graces he would receive throughout his life. He asked Mary to grant his greatest desire, "to deign to place him with her Son.

THL 723. Apocalyptic Literature: Mayhem, Madness and Messiahs. 3 credits.

Apocalyptic Literature is an exploration of Jewish and Christian apocalyptic literature, including the Book of Revelation, through detailed study of the texts in the Hebrew Bible/Old Testament, New Testament, Dead Sea Scrolls, and other ancient literature, as well as its effects on popular culture and contemporary media.

THL 730. Seminar in Systematic Theology. 3 credits.

Introduction to fundamental issues of doctrinal theology, with special attention to methodology and development of research skills.

THL 731. Systematic Theology: The Mediated God. 3 credits. OD

This course examines systematically: (a) the mediating function of symbol in a human life; (b) theology as humankind's search to mediate the Transcendent in symbolic language; (c) Christology as Christian humankind's search to mediate the Transcendent in Jesus called christos; (d) ecclesiology as Christian humankind's search to mediate the Christ in the community of women and men called ekklesia; (e) sacramentology as Christian humankind's search to mediate the Transcendent in solemn symbolic actions called mysteria.

THL 732. Theologies of Salvation. 3 credits. OD

A theological reflection on the question: "What does it mean to be saved in Jesus Christ?" In dialogue with biblical, traditional and contemporary insights, including liberationist, feminist and ecologically sensitive theologies, students are asked to propose a theology of salvation relevant to contemporary life.

THL 733. Images Of The Church Through The Ages. 3 credits. OD

The kaleidoscopic journey of the pilgrim church through successive historical paradigms—from primitive Christianity's apocalyptic paradigm, to the post-modern ecumenical paradigm, including the Hellenistic, medieval-Roman-Catholic, Reformation-Protestant, Counter-Reformation Catholic, Protestant-Orthodox, and Modern-Enlightenment paradigms. Salient images of the church within each of these historical paradigms and movements accompanying them.

THL 734. The Quest For Christian Identity. 3 credits. OD

The meaning of being Christian in contemporary times within American society.

THL 736. Systematic Theology According To Karl Rahner. 3 credits. OD

Theological methodology of one of the premier Catholic theologians of the 20th century: Karl Rahner's thought as foundational for much of contemporary Roman Catholic theology. Topics include: the human family and its relationship to mystery (Sin and Grace); the theology of symbol—how the mystery of grace is worked out in our material world (Christology and Ecclesiology); and the life of Grace - the work of the Holy Spirit in our social liberation (Prayer, Discernment, and Ethics).

THL 737. The Historical Context For Theology In America. 3 credits. OD

Examination of forces that have influenced Catholic theological thought in the United States. Topics that may be explored include denominationalism, church-state relations, civil religion, evangelicalism, fundamentalism, gender, nativism, the African-American experience, Native American experience, Judaism, trusteeism, immigration, social justice, etc.

THL 740. Inventing Christianity: The Emergence Of The Christian Theological Tradition. 3 credits. OD

Course explores development of early Christian theological tradition from its apostolic foundations through the Council of Chalcedon emphasizing four themes: the origin and development of the Christian empire, the search for the Christian doctrine of God, understanding the God-Man, Augustine and his influence.

THL 741. Theology and Writings of St. Augustine. 3 credits.

An exploration of the career and thought of one of the greatest theologians of the Christian tradition through a focus on three classic texts, *The Confessions*, *The Trinity*, and *The City of God*; includes examination of the controversies and debates which have shaped Christian views on creation, Church, sacraments, and grace. P: Gr. stdg.

THL 743. Political Theology. 3 credits.

Political theology relates discourse about God (theology) to the organization of human communities and social power in space and time (politics). This course will focus on the Christian tradition's theopolitical imagination(s), considering biblical visions, historical developments, and recent political theologies in comparative global perspective.

THL 744. Christian Social Ethics. 3 credits. OD

Introduction to the major alternative modes of thought and action by which Christians have sought to express concern for social and political issues. Stress on the social dimension of Christian ethics.

THL 745. Ecumenical Theology: Protestant, Catholic, Orthodox. 3 credits. OD

Examination of post Vatican II ecumenism, from a theological analysis of the problem of church division to the rationale for ecumenical dialogue. Models of ecumenical agreement and progress with special attention to the question of consensus and ecumenical "success". Current topics from Protestant-Catholic and Orthodox-Catholic dialogues are surveyed.

THL 746. Justification and Justice: Jewish, Protestant, and Catholic Models. 3 credits. OD

Different Models of divine intervention into human life lead to different models of human response. The center of gravity for this course will be the doctrine of justification. Under examination will be the ways in which contemporary theologians articulate the social and political response engendered by the divine initiative in modern life. Four responses come into play: self-transcendence (Niebuhr and Metz), obedience (Ramsey and NCCB), discipleship (Yoder), and dialogue (Buber).

THL 752. The Sacraments of Initiation. 3 credits. OD

Study of the anthropological roots, historical formation, and interrelation of the three traditional moments in Christian Initiation: Baptism, Confirmation and Eucharist, in light of the new Rite of Christian Initiation of Adults (R.C.I.A.) as basic text, of official Catholic Church pronouncements, of the Lima Document of the World Council of Churches, and of various contemporary theologies.

THL 753. Liturgy and Time. 3 credits. OD

Reflection on the temporal nature of Christian life by study of the historical formation and sacramental dimensions of the liturgical (a) day, (b) week, and (c) year. Topics include: meaning of Christian celebration, origins of Christian daily prayer (the Divine Office), Christ's presence in the Church through liturgical memorial, Sunday and the weekly cycle, the Easter and Christmas cycles, the feast day as Christian sacrament, the Sanctoral Cycle, the reforms of Vatican II, the ethical significance of the liturgical year.

THL 754. Liturgical Praxis and Ecclesial Self-Consciousness. 3 credits.

Examines the liturgical practices (time, place, event) of Latin Rite Catholic, Orthodox, Protestant, and Anglican traditions in order to understand the basic liturgical forms of the traditions and to explore the ecclesial self-consciousness of these Christian bodies through the lens of liturgical practice.

THL 755. Seminar in Moral Theology. 3 credits.

Introduction to fundamental issues in moral theology, with special attention to methodology and development of research skills.

THL 756. Theology of the Moral Life. 3 credits. OD

Elements of Christian moral experience and understanding, as well as the criteria of Christian moral judgment and action.

THL 757. Christian Nonviolence: Jesus, Prince of Peace. 3 credits. OD

History of peacemaking and non-violence through Christian figures and movements. Biblical roots, pacifism in the early Church, the medieval "peace of God," Reformation peace churches, and recent developments: the 20th century Catholic peace movement, official documents from Christian churches, and Christian leaders including Martin Luther King, Thomas Merton, and Dorothy Day. Non-violence is considered as both social action and spiritual discipline.

THL 758. Roman Catholic and Protestant Ethics. 3 credits. OD

Ethical approaches of leading European and American Catholic and Protestant ethicists: Rahner, Janssens, Gustafson, Ramsey, Fletcher, Grisez and McCormick.

THL 760. Scriptural Foundation Of Christian Spirituality. 3 credits. SU (Same as CSP 760)

Introduction to Scripture, especially the New Testament, as the foundation to all Christian Spirituality. Faith, prayer, Holy Spirit, Church, centrality of Christ.

THL 761. Liturgical Foundations Of Christian Spirituality. 3 credits. SU (Same as CSP 761)

An exploration of the Church's liturgical prayer life as an important basis and foundation for Christian Spirituality.

THL 762. Doctrinal Foundation Of Christian Spirituality. 3 credits. SU (Same as CSP 762)

This course examines the foundational doctrines of faith, such as, the Trinity, the divine and human Jesus, salvation by Christ, God's activity in history, the Holy Spirit, and explores their relevance for the Christian spiritual journey, including the relationship to God, to all humanity and to the entire created universe.

THL 764. Prayer And Christian Spirituality. 3 credits. SU (Same as CSP 764)

Using classical and contemporary texts in Christian Spirituality, course studies the theology, methods, stages and dynamics of personal prayer and mysticism.

THL 765. Prayer, Intimacy. And True Christian Growth. 3 credits. SU (Same as CSP 765)

The connection between spiritual and human growth, the necessity of keeping a relationship with Christ, and concrete simple ways of doing it each day.

THL 766. Contemplation In The Christian Tradition. 3 credits. SU (Same as CSP 766)

Course examines approaches to contemplation in classical and contemporary texts. Among authors and texts studied are the following: Pseudo-Dionysius, Cloud of Unknowing, Meister Eckhart, Teresa of Avila, John of the Cross. P: CSP 764 or CSP 765 or equiv.

THL 767. Spanish Mysticism. 3 credits. SU (Same as CSP 767)

Study of Ignatius of Loyola, Teresa of Avila and John of the Cross, discussing their spirituality, teachings on prayer, and understanding of human life as a pilgrimage with Jesus, ending only when total union with God is reached. P: CSP 764 OR 765 or equiv.

THL 768. Foundational Texts In Christian Mysticism. 3 credits. OD

Introduction to a wide variety of primary texts in medieval mysticism including works of Teresa of Avila, early Franciscan sources, and Ignatius of Loyola. Students are guided through texts and challenged to apply these texts to practical ministerial experiences.

THL 769. The History Of Christian Spirituality. 3 credits. SU (Same as CSP 769)

Development from post-apostolic age to the present. Some of the classics of Christian Spirituality.

THL 770. Called To Holiness: The Christian Vocation. 3 credits. SU (Same as CSP 770)

Saints, ways to sanctity, past and present. The Communion of Saints. NOTE: This course fulfills the requirement for a course in the history of spirituality.

THL 773. The Theology Of The Spiritual Exercises Of St. Ignatius. 3 credits. SU (Same as CSP 773)

Theology, interpretations, commentators, structure, with practical applications. Students will draw greater benefit from this course if they have a prior experience of the Spiritual Exercises either in an individually directed silent retreat or an extended retreat in daily life.

THL 776. Discernment Of Spirits: Theory And Practice. 3 credits. SU (Same as CSP 776)

Study of the tradition of discernment in the Church with special emphasis on the rules for discernment of spirits in the Spiritual Exercises and the application of these to Christian life and practice.

THL 778. Biblical Roots For Peace And Justice Ministry. 3 credits. SU (Same as CSP 778)

How to use Scripture responsibly in approaching the social and planetary issues of the third millennium. Sample topics: creation and ecology, violence and nonviolence, hunger and stewardship, conscience and civil authority, option for the poor. Opportunity for special issue study.

THL 779. Spirituality And Social Concerns. 3 credits. SU (Same as CSP 779)

Reflections on the practice of spiritual direction, retreat leadership, and other pastoral ministries in light of themes of justice, peace and solidarity in scripture, Christian history, Catholic social teaching, and human experience. Investigation of how the reality of social injustice affects the private and public dimensions of the spiritual life. Emphasis on personal appropriation and leadership development so that students may integrate knowledge that gain into the ministries.

THL 785. Psychodynamics Of Spiritual Growth. 3 credits. OD, SU (Same as CSP 785)

Human development studied through the main traditions within psychology and spirituality. How psychological and spiritual dynamics are integrated in personal formation with practical applications for spiritual direction and other ministries. Stress, anger, anxiety, control issues, fear, leisure, addictions, grief, sexuality, guilt and shame are seen within adult life-stages moving toward healing, discernment and wholeness.

THL 786. Family Spirituality. 1-3 credits. SU (Same as CSP 786)

Designed for both those who are family and those who minister to families. Key questions: What are the elements of a spirituality derived from within the experience of family- What is the relationship between such a spirituality and the classic traditions of Christian spirituality?.

THL 789. Spirituality For Americans: Thomas Merton's Contemplative Vision. 3 credits. OD (Same as CSP 789)

The relevance of Merton for contemporary American spirituality. Merton in context of the American experience: his life, writing and thought as guidelines for living the Gospel today. Special attention to themes of True Self, Contemplation and Non-violence.

THL 790. Spiritual Formation. 3 credits. OD, SU (Same as CSP 790)

The nature and dynamics of spiritual formation, emphasizing personal developmental aspects of spiritual growth. Practical aspects of the spiritual life: spiritual identity, spiritual consciousness, holistic spirituality. Theoretical perspective on formative relations in structured situations: religious formation, seminary formation, spiritual formation in parishes. Formation issues: spiritual growth through stages of the life cycle, sexuality and chastity, conflict and community, suffering and death, work and ministry.

THL 791. Spirituality and Sexuality. 3 credits. (Same as CSP 791)

As body-persons, all men and women are called to integrate the various dimensions of our human existence within a thought out/lived out perspective, i.e., a spirituality. For various historical, cultural, and religious reasons incorporating our sexuality can be challenging, even problematic. Through lecture, guided reading/reflection, class discussion, and writing, students will be encouraged to develop their personally meaningful spirituality of sexuality.

THL 792. Practicum in Ministry. 3 credits. OD

Supervised experience in a practical ministry of the student's choice in consultation with the Program Director.

THL 793. Directed Independent Reading. 1-4 credits. OD

To be arranged.

THL 794. Special Elective in Biblical Studies. 1-3 credits.

May be repeated to a limit of six hours. P: DC.

THL 795. Directed Independent Study. 1-3 credits. OD

To be arranged.

THL 796. Special Elective in Historical-Doctrinal-Liturgical Studies. 3 credits.

May be repeated to a limit of six hours. P: DC.

THL 797. Directed Independent Research. 3 credits. OD

To be arranged.

THL 798. Special Elective in Christian Life Studies. 3 credits.

May be repeated to a limit of six hours.

THL 799. Master's Thesis. 3 credits. OD

Master of Arts (M.A.), Major in Theology

The Graduate Director will serve as the student's advisor and will help students choose a program of study best suited to their interests and career plans. Thirty-three (33) semester hours are required for the degree, including:

Plan A: 27 hours of courses followed by comprehensive examination, then 6 hours of THL 799 Master's Thesis; or **Plan B:** 33 hours of courses followed by comprehensive examination.

M.A., Major in Theology course requirements (33 credits):

Required Seminar Courses

| | | |
|---------|--------------------------------|---|
| THL 700 | Seminar in Biblical Studies | 3 |
| THL 730 | Seminar in Systematic Theology | 3 |
| THL 755 | Seminar in Moral Theology | 3 |

Biblical Studies

Select one course from the following: 3

| | | |
|---------|--------------------------------------------------------------------------------------|--|
| THL 701 | Biblical Interpretation: Hermeneutics In The Writing And In The Reading Of Scripture | |
| THL 702 | The Gospel of Mark | |
| THL 703 | The Social And Historical Context Of The Bible | |
| THL 704 | Contemporary Biblical Interpretation: The Synoptic Gospels | |
| THL 705 | New Testament Churches | |
| THL 706 | The Gospel of Matthew | |
| THL 707 | The Life and Spirituality of Ignatius of Loyola: | |
| THL 708 | Paul: The Major Writings | |
| THL 709 | The Gospel of John: Contemporary Approaches | |
| THL 710 | The Mediterranean Matrix of Christian Theology | |
| THL 711 | Israelite Religion In Perspective | |
| THL 712 | Creation and Ethical Order | |
| THL 713 | Liberationist Readings of New Testament Texts | |
| THL 714 | The Pentateuch: Issues Of Ethics And Morality | |
| THL 715 | Marian Spirituality | |

| | | |
|---------|-----------------------------------------------|--|
| THL 716 | Spirituality of Reconciliation | |
| THL 717 | Jungian Psychology and Christian Spirituality | |
| THL 718 | A Theology and Spirituality of Conversion | |
| THL 722 | Mary in Life of St. Ignatius | |

Systematic and Historical Studies

Select one course from the following: 3

| | | |
|---------|------------------------------------------------------------------------------|--|
| THL 731 | Systematic Theology: The Mediated God | |
| THL 732 | Theologies of Salvation | |
| THL 733 | Images Of The Church Through The Ages | |
| THL 734 | The Quest For Christian Identity | |
| THL 736 | Systematic Theology According To Karl Rahner | |
| THL 737 | The Historical Context For Theology In America | |
| THL 740 | Inventing Christianity: The Emergence Of The Christian Theological Tradition | |
| THL 741 | Theology and Writings of St. Augustine | |
| THL 743 | Political Theology | |
| THL 744 | Christian Social Ethics | |
| THL 745 | Ecumenical Theology: Protestant, Catholic, Orthodox | |
| THL 746 | Justification and Justice: Jewish, Protestant, and Catholic Models | |
| THL 752 | The Sacraments of Initiation | |
| THL 753 | Liturgy and Time | |
| THL 754 | Liturgical Praxis and Ecclesial Self-Consciousness | |

Christian Life Studies

Select one course from the following: 3

| | | |
|---------|------------------------------------------------------------------|--|
| THL 756 | Theology of the Moral Life | |
| THL 757 | Christian Nonviolence: Jesus, Prince of Peace | |
| THL 758 | Roman Catholic and Protestant Ethics | |
| THL 760 | Scriptural Foundation Of Christian Spirituality | |
| THL 761 | Liturgical Foundations Of Christian Spirituality | |
| THL 762 | Doctrinal Foundation Of Christian Spirituality | |
| THL 764 | Prayer And Christian Spirituality | |
| THL 765 | Prayer, Intimacy. And True Christian Growth | |
| THL 766 | Contemplation In The Christian Tradition | |
| THL 767 | Spanish Mysticism | |
| THL 768 | Foundational Texts In Christian Mysticism | |
| THL 769 | The History Of Christian Spirituality | |
| THL 770 | Called To Holiness: The Christian Vocation | |
| THL 773 | The Theology Of The Spiritual Exercises Of St. Ignatius | |
| THL 776 | Discernment Of Spirits: Theory And Practice | |
| THL 778 | Biblical Roots For Peace And Justice Ministry | |
| THL 779 | Spirituality And Social Concerns | |
| THL 785 | Psychodynamics Of Spiritual Growth | |
| THL 786 | Family Spirituality | |
| THL 789 | Spirituality For Americans: Thomas Merton's Contemplative Vision | |
| THL 790 | Spiritual Formation | |
| THL 791 | Spirituality and Sexuality | |
| THL 792 | Practicum in Ministry | |
| THL 793 | Directed Independent Reading | |
| THL 794 | Special Elective in Biblical Studies | |

| | | |
|-------------------------------------------------------------------------|-------------------------------------------------------------|----|
| THL 795 | Directed Independent Study | |
| THL 796 | Special Elective in Historical-Doctrinal-Liturgical Studies | |
| THL 797 | Directed Independent Research | |
| THL 798 | Special Elective in Christian Life Studies | |
| Elective courses | | |
| Select one of the following. A comprehensive exam is required for both. | | 15 |
| Plan A: Three elective courses plus 6 hours of THL 799 Master's Thesis | | |
| Plan B: Five elective courses | | |
| Total Credits | | 33 |

Master of Arts in Ministry

See Master of Arts in Ministry (p. 120) for more information.

Cross-Listing of Courses with the Master's of Arts in Christian Spirituality (CSP) Program and the Master's of Arts in Ministry (MAM) Program

Courses in the Master's of Arts in Christian Spirituality (CSP) program that are cross listed with Theology may be taken to fulfill electives in the MA in Theology. Theology courses in the Master's of Arts in Ministry (MAM) program may be taken, with permission of both program directors of the MA and MAM programs, to fulfill requirements and electives for the MA in Theology except for the three foundational seminars (i.e. THL 700 Seminar in Biblical Studies; THL 730 Seminar in Systematic Theology; THL 755 Seminar in Moral Theology).

Graduate students may enroll for 500 level courses at a 700 level, in order to complete their programs. They may not repeat a course that they have on their transcripts at a 500 level, and when they register for a 500 level course they will do so under one of the following numbers:

| | | |
|---------|-------------------------------------------------------------|-----|
| THL 794 | Special Elective in Biblical Studies | 1-3 |
| THL 796 | Special Elective in Historical-Doctrinal-Liturgical Studies | 3 |
| THL 798 | Special Elective in Christian Life Studies | 3 |

Students, when registering, should see the program director, who will complete the special elective course registration.

Master of Arts in Theology / Master of Education in Secondary School Teaching Dual Degree Program

The departments of Theology and Education offer a dual degree program where students earn both Master of Arts in Theology and Master of Education in Secondary School Teaching degrees. For information, contact the Theology Department or Education Department.

Master of Arts, Major in Theology/ Religious Education Teaching Certification

The departments of Theology and Education offer a national accelerated two-year Master of Arts in Theology with teaching certification in religious education. Students concentrate on a theological curriculum that prepares them to teach religion. The program comprises two academic years and two summers. Significant tuition scholarships are available for participants in this program. For more information, contact the Theology Department or Education Department.

Faculty

Note: The year appearing in parentheses after the academic rank and official position indicates the beginning of service at Creighton University. The second date, if given, indicates the year of appointment to present rank.

Amy Abbott PhD, RN, *Associate Professor of Nursing* (1996; 2011).
B.S.N., Creighton University, 1992; M.S. in Nursing, 1998; Ph.D., University of Nebraska Medical Center, 2008

Peter W. Abel, *Professor of Pharmacology* (1987; 1997).
B.S., University of Wisconsin, 1973; Ph.D., West Virginia University, 1978

Devendra K. Agrawal, *Professor of Biomedical Sciences* (1985; 2004); *Professor of Medicine* (1985; 2004); *Professor of Medical Microbiology and Immunology* (1995; 1997); *Chair, Department of Clinical and Translational Science* (2015).
B.Sc., Lucknow University (India), 1971; M.Sc., 1973; Ph.D., 1978; Ph.D., McMaster University (Canada), 1984

Susan Aizenberg, *Professor of English* (2001; 2012).
B.F.A., University of Nebraska at Omaha, 1989; M.F.A., Vermont College, 1992

Musa M. Al-Hindi, *Lecturer in Classical and Near Eastern Studies* (2016).
B.A., Creighton University, 1989; M.A., Creighton University, 1993; M.A., University of South Africa, 2014

Naser Z. Alsharif, *Professor of Pharmacy Sciences* (1994; 2010).
B.A., University of Nebraska, Omaha, 1984; Pharm.D., University of Nebraska Medical Center, 1987; M.S., University of Nebraska Medical Center, 1988; Ph.D., Creighton University, 1992

Robert J. Anderson, *Professor of Medicine* (1985; 1995); *Professor of Biomedical Sciences* (1992; 1995).
M.S., University of Minnesota, 1981; M.D., Northwestern University Medical School, 1973

Richard V. Andrews, *Professor Emeritus of Biomedical Sciences* (1958; 1997); *Dean Emeritus, Graduate School* (1995).
B.S., Creighton University, 1958; M.S., 1959; Ph.D., University of Iowa, 1963

Donald R. Babin, *Professor Emeritus of Biomedical Sciences* (1967; 2007).
B.S., University of New Brunswick (Canada), 1958; Ph.D., University of New Brunswick (Canada), 1962

Amy S. Badura Brack, *Professor of Psychology* (1998; 2013).

B.A., University of Notre Dame, 1992; Ph.D., University of Iowa, 1998

Jason C. Bartz, *Professor of Medical Microbiology & Immunology* (2003; 2013); *Associate Dean, Academic and Faculty Affairs* (2013).

B.S., University of Wisconsin-Stevens Point, 1990; M.S., University of Wisconsin-Madison, 1994; Ph.D., University of Wisconsin-Madison, 1998

Kirk W. Beisel, *Professor of Biomedical Sciences* (1992).

B.S., Albright College, 1972; Ph.D., Rutgers University, 1978

Michael Belshan, *Associate Professor of Medical Microbiology & Immunology* (2005; 2011).

B.S., Iowa State University, 1999; Ph.D., Iowa State University, 1999

Roger Bergman, *Professor of Cultural and Social Studies* (1989; 2016); *Director, Justice and Peace Studies Program*.

B.A., Kansas State University, 1970; M.A., University of Arizona, 1977; M.T.S., Weston School of Theology, 1991; Ph.D., University of Nebraska at Lincoln, 2005

Dale R. Bergren, *Professor of Biomedical Sciences* (1985; 2011).

B.A., Carroll College (Montana), 1973; M.S., Carroll College (Montana), 1975; Ph.D., University of North Dakota, 1976

Marvin J. Bittner, *Associate Professor of Medicine* (1981; 1991); *Associate Professor of Medical Microbiology and Immunology* (1981; 1991).

B.S., University of Chicago, 1972; M.D., Harvard University, 1976

Charles S. Bockman, *Assistant Professor of Pharmacology* (1996).

B.A., Emory University, 1984; Ph.D., Creighton University, 1993

Olaf Bohlke, *Assistant Professor of Modern Languages and Literatures* (1998).

B.A., University of Tübingen, 1987; M.A., Arizona State University, 1991; Ph.D., Michigan State University, 2000

James D. Bramble, *Associate Professor of Pharmacy Sciences* (1997; 2004); *Associate Professor of Pharmaceutical Sciences* (1997; 2004).

B.S., University of Utah, 1991; M.P.H., University of Oklahoma, 1993; Ph.D., Medical College of Virginia, 1998

Philip R. Brauer, *Professor of Biomedical Sciences* (1990; 2008).

B.S., University of Wisconsin, 1977; Ph.D., Medical College of Wisconsin, 1985

Charles B. Braymen, *Associate Professor of Economics and Finance* (2011; 2016).

B.A., University of Nebraska, Lincoln, 1999; Ph.D., University of North Carolina, 2007

Nancy Bredenkamp PhD, APRN, *Assistant Professor of Nursing* (2004; 2007).

B.S.N., Creighton University, 1992; M.S., Creighton University, 2003; Ph.D., University of Colorado, 2013

Kristie N. Briggs, *Associate Professor of Economics* (2008; 2014).

B.A., American University, 2002; Ph.D., University of North Carolina, Chapel Hill, 2008

Barbara L. Brock, *Professor of Education* (1995; 2007).

B.A., Briar Cliff College, 1965; M.S., Creighton University, 1983; Ed.D., University of Nebraska, Lincoln, 1988

Mary Lee Brock, *Assistant Professor of Werner Institute* (2009; 2009).

B.A., Creighton University, 1982; M.Ed., South Dakota State University, 1983

Michael A. Brown, *Assistant Professor of Philosophy* (1987).

B.A., Carroll College (Montana), 1979; M.A., University of Notre Dame, 1981; Ph.D., Emory University, 1987

Laura C. Bruce, *Professor of Biomedical Sciences* (1987; 2008).

B.A., Cornell College, 1975; Ph.D., Georgetown University, 1982

Gregory S. Bucher, *Professor of Classical and Near Eastern Studies* (2001; 2016).

B.A., University of California at San Diego, 1987; Ph.D., Brown University, 1997

Thomas L. Budesheim II, *Associate Professor of Psychology* (1993; 1999).

B.A., Grinnell College, 1984; M.A., University of Illinois, 1988; Ph.D., 1992

Theodore E. Burk, *Professor of Biology* (1982; 1996).

B.A., University of Kansas, 1974; D.Phil, University of Oxford (U.K.), 1979

Eileen C. Burke-Sullivan, *Associate Professor of Theology* (2003; 2010); *Holder of the Barbara Reardon Heaney Chair in Pastoral Liturgical Theology*.

B.A., St. Mary College, 1971; M.M., University of Colorado, 1975; M.A., Creighton University, 1983; S.T.L., Weston Jesuit School of Theology, 1997; S.T.D., 2003

Susan Calef, *Assistant Professor of Theology* (1995); *Director, Women's and Gender Studies Program*.

B.A., Marymount College (Tarrytown, NY), 1977; M.A., Catholic Theological Union (Chicago), 1988; M.A., University of Notre Dame, 1993; Ph.D., 1996

John C. Calvert, *Professor of History* (1994; 2014).

B.A., University of Alberta (Canada), 1979; M.A., University of Toronto, 1981; M.A., McGill University (Canada), 1984; Ph.D., 1993; DIP, American University in Cairo, 1988

Gregory I. Carlson, *Associate Professor of Classical and Near Eastern Studies* (1979; 1982).

Classical B.A., St. Louis University, 1965; M.A., St. Louis University, 1966; M.Div., Jesuit School of Theology (California), 1974; D.Phil, Heidelberg University, 1972

James Carlson, *Associate Professor of Mathematics* (1985; 1991).

B.S., Southwestern College, 1977; M.S., Pittsburgh State University, 1979; Ph.D., Purdue University, 1985

Catherine A. Carrico DNP, APRN-NP, *Assistant Professor of Nursing* (2012).

B.S.N., University of Nebraska Medical Center, 1994; M.S.N., 1996; D.N.P., Creighton University, 2012

Stephen J. Cavalieri, *Professor of Pathology* (1987; 2010); *Professor of Medical Microbiology and Immunology* (1986; 2010).

B.S., California University of Pennsylvania, 1977; M.S., West Virginia University, 1979; Ph.D., West Virginia University, 1981

D. Roselyn Cerutis, *Associate Professor of Oral Biology* (1998; 2004); *Associate Professor of Pharmacology* (1998; 2004).

B.S., Wright State University, 1982; Ph.D., 1988.

Edward A. Chaperon, *Associate Professor of Medical Microbiology & Immunology* (1968; 1971).

B.S., LeMoyné College, 1957; M.S., Marquette University, 1959; Ph.D., University of Wisconsin-Madison, 1965

Helen Stanton Chapple PhD, RN, MA, MSN, *Associate Professor of Nursing* (2007; 2015); *Assistant Professor of Health Policy and Ethics*.

B.A., George Washington University, 1971; A.D., Shenandoah University, 1987; M.A., University of Virginia, 1994; Ph.D., University of Virginia, 2007

Archana Chatterjee, *Clinical Professor of Health Policy and Ethics* (2013); *Professor of Pediatrics* (1996; 2008); *Professor of Medical Microbiology and Immunology* (2000; 2008); *Professor of Pharmacy Sciences* (2000; 2008); *Associate Dean for Faculty Affairs* (2008).

M.B., B.S., Armed Forces Medical College-India, 1983; Ph.D., University of Nebraska Medical Center, 1993

Harsh Chauhan, *Assistant Professor of Pharmacy Science* (2011).

B.S.Pha., Dr. K.N. Modi Institute of Pharmaceutical Education and Research, 2001; Ph.D., Massachusetts College Pharmacy Health Sciences, 2011

Xian-Ming Chen, *Professor of Medical Microbiology & Immunology* (2007; 2012).

M.S., Shanxi Medical University (China), 1988; M.D., Hubei Medical University Xianning Medical School (China), 1985

Shih-Chuan Cheng, *Professor of Mathematics* (1979; 2000).

B.S., National Cheng-Chi University (Taiwan), 1970; M.S., Utah State University, 1974; M.S., Florida State University, 1976; Ph.D., 1978

Isabelle D. Cherney, *Professor of Psychology* (2006; 2011).

B.A., 1996; M.A., University of Nebraska, Omaha, 1999; Ph.D., University of Nebraska, Lincoln, 2001

Michael G. Cherney, *Professor of Physics* (1989; 2011).

B.S., Marquette University, 1979; M.S., University of Wisconsin at Madison, 1980; Ph.D., 1987

Ngwarsungu Chiwengo, *Professor of English* (1997; 2008).

License, National University of Zaire, Lubumbashi, 1976; M.A., State University of New York at Albany, 1982; Ph.D., State University of New York at Buffalo, 1986

Robert J. Churchill, *Assistant Professor of English* (1980).

B.A., Creighton University, 1966; M.A., 1970; Ph.D., University of Nebraska at Lincoln, 1979

Sam Cipolla, *Professor Emeritus of Physics* (1969; 2001).

B.S., Loyola University Chicago, 1962; M.S., Purdue University, 1965; Ph.D., 1969

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