

Creighton
UNIVERSITY

CREIGHTON UNIVERSITY CATALOG

Graduate

2024–2025



TABLE OF CONTENTS

Creighton University General Information	5	Student Employment	22
Creighton Colleges and Schools	6	Financial Aid Satisfactory Academic Progress	23
Mission and Learning Outcomes	7	Administration and Academic Policies	23
Accreditations and Approvals	7	Academic Load	23
University Libraries	8	Academic Responsibility of Graduate Students	23
Campus Facilities	8	Academic Misconduct Policy	24
Recognition of Scholarship and Leadership	9	Adjustments and Withdrawals After Registration	28
The Alumni Association	9	Admission to Candidacy for an Advanced Degree	28
Non-discrimination Statement	9	Appeals and Petitions	28
Email as Official Means of Communication	9	Application for Degree or Certificate/Commencement	30
Equity, Diversity and Inclusion Policy	10	Class Attendance	31
Graduation Rates	10	Classification of Students	31
Degree Policies	10	Commencement	31
Joint and Dual Degree Definitions	10	Comprehensive Examination	31
Military and Veterans Affairs	11	Confidentiality and Privacy of Student Records	32
Preferred First Name Policy	11	Course Key to Abbreviations and Symbols	33
Student Accessibility Services	11	Course Levels and Numbering System	34
The Jesuit Order	12	Grading Guidelines and System	34
American Jesuit Colleges and Universities	12	Grading System	34
Graduate	13	Grade Reports	35
Academic Calendar	13	Quality Requirements	35
The Graduate School	14	Academic Probation	35
Admission	16	Academic Dismissal	35
General Requirements	16	Discipline	35
Application Procedures	16	Continuous Enrollment	35
Admission Tests	16	Heider College of Business: Dean's Honor Roll for Social Responsibility	35
Evaluation and Selection	17	Incomplete Policy	36
Admission of International Graduate Students	17	Posthumous Degree/Certificate	36
Special Student Applications	18	Registration	36
Tuition and Fees	18	Residence	37
Late Payment Policy	19	Temporary Withdrawal	37
Special Tuition Rates	19	The Academic Year	38
Military Discounts	19	The Degree Program Plan of Study	38
Withdrawals and Refunds	20	Thesis Examination or Dissertation Defense	39
Financial Arrangements	21	Thesis, Dissertation and Project Studies	39
Financial Aid	21	Time to Completion	39
Application Procedures	21	Transcripts	39
Graduate Fellowships	21	Transfer of Credit	40
Graduate Scholarships/Awards	21	Undergraduate Students in Graduate Courses	40
Loan Funds	22	Unit of Instruction/Credit Hour Policy	40
		Interprofessional Education	40

Student Life	41	M.Ed., Elementary School Teaching	82
Graduate Student Government	41	M.Ed., Secondary School Teaching	83
Living Accommodations	42	M.S., Educational Leadership	88
Health and Counseling	42	School Administration	88
Student Counseling Services	43	Teacher Leadership	89
Student Health Services	43	M.S., Educational Specialist Areas	90
University Health Insurance Requirements	43	M.S., School Counseling	91
University Immunization Requirement	44	B.A. or B.S./Master of Education in Secondary School Teaching Accelerated Program	94
Military and Veterans Affairs	44	BS-Eled/MS-EDSA Accelerated Program	95
Graduate Programs and Courses	45	Catholic School Leadership Graduate Certificate	95
Accounting	47	Early Childhood Education Graduate Certificate	96
Master of Accounting	49	English as a Second Language Graduate Certificate	97
BSBA-ACC/MAC Accelerated program	50	K-12 Educational Leadership through Sports Graduate Certificate	97
Biomedical Sciences	51	Sports Leadership Graduate Certificate	98
M.S., Biomedical Sciences	52	Teacher Leadership Graduate Certificate	98
Ph.D., Biomedical Sciences	53	Theology for Catechesis Graduate Certificate	98
Business Administration (MBA)	53	Finance	99
Master of Business Administration (MBA) Program	57	Master of Finance	101
MBA: Financial Psychology & Behavioral Finance	57	MBA/MFin Dual Degree Program	59
MBA: Executive Healthcare (EMBA)	58	Government Organization and Leadership	101
MBA/MS-BA Dual Degree Program	59	JD/MS-Government Organization and Leadership Dual Degree	103
MBA/MFin Dual Degree Program	59	Health Informatics	104
MBA/JD Dual Degree Program	60	Healthcare Educator Teaching and Learning	106
MBA/MIMFA Dual Degree Program	61	Healthcare Management	107
MBA/MS-ORGL Dual Degree Program	61	Integrative Health and Wellness	107
MD/MBA Dual Degree Program	62	M.S., Integrative Health and Wellness	109
PharmD/MBA Dual Degree Program	62	M.S., Integrative Health and Wellness Accelerated Programs	112
B.S.(ILS)/MBA Accelerated Masters Program	63	B.A., Communications/M.S., Integrative Health and Wellness Accelerated Program	112
Enterprise Risk Management Graduate Certificate	63	B.S.B.A., Marketing-Management/M.S., Integrative Health and Wellness Accelerated Program	112
Financial Psychology & Behavioral Finance Graduate Certificate	64	Graduate Certificate - Lifestyle Medicine	113
Personal Financial Planning Graduate Certificate	64	Institute for Priestly Formation	114
Project Management Graduate Certificate	64	Interdisciplinary Leadership (Ed.D.)	115
Business Analytics	65	Master of Financial Planning and Financial Psychology	119
M.S., Business Analytics	67	Master of Investment Management and Financial Analysis (MIMFA)	119
Graduate Certificate in Business Analytics	67	Master of Investment Management and Financial Analysis	121
Christian Spirituality	68	BSBA-FIN (Financial Analysis)/MIMFA Accelerated Program	121
M.A., Christian Spirituality	71		
Graduate Certificate in Spiritual Direction and Directed Retreats	75		
Graduate Certificate in Ignatian Tradition	76		
Education	76		

MBA/MIMFA Dual Degree Program	61	Post-Graduate Certificates	154
Medical Humanities and Ethics	123	Post-Graduate Certificate-Adult-Gerontology Acute Care Nurse Practitioner	156
Master of Arts, Medical Humanities and Ethics	125	Post-Graduate Certificate-Family Nurse Practitioner	156
Graduate Certificate, Bioethics	126	Post-Graduate Certificate-Neonatal Nurse Practitioner	156
Graduate Certificate, Clinical Ethics Consultation	126	Post-Graduate Certificate-Nursing Education	156
Medical Microbiology and Immunology	126	Post-Graduate Certificate-Pediatric Acute Care Nurse Practitioner	157
M.S., Medical Microbiology and Immunology	128	Post-Graduate Certificate-Psychiatric-Mental Health Nurse Practitioner	157
Ph.D., Medical Microbiology and Immunology	128	Master of Science in Nursing (MSN)	157
Medical Sciences	128	MSN: Nursing Administration and Leadership	158
M.S., Integrated Medical Sciences	130	MSN: Nursing Education	159
M.S., Medical Sciences	131	Oral Biology	159
Ministry	131	M.S., Oral Biology - Anatomical Sciences Track	161
Master of Arts with a Major in Ministry	132	M.S., Oral Biology - Dental Materials Track	161
Negotiation and Conflict Resolution	133	Organizational Leadership	161
NCR Graduate Certificate	134	M.S., Major in Organizational Leadership	163
Health Care Collaboration and Conflict Management Graduate Certificate	135	Graduate Certificate in Leadership and Wellbeing	164
Nursing	135	Graduate Certificate in Organizational Leadership	164
Creighton BSN to Graduate Education Pathways	143	Graduate Certificate in Sports Leadership	164
Doctor of Nursing Practice, Adult-Gerontology Acute Care Nurse Practitioner - Creighton BSN Pathway	144	MBA/MS-ORGL Dual Degree Program	61
Doctor of Nursing Practice, Family Nurse Practitioner - Creighton BSN Pathway	145	B.A.(COM) to M.S.(ORGL) Accelerated Program	165
Doctor of Nursing Practice, Neonatal Nurse Practitioner - Creighton BSN Pathway	145	B.S.(ILS)/M.S.(ORGL) Accelerated Program	166
Doctor of Nursing Practice, Nursing Administration and Leadership - Creighton BSN Pathway	146	BSBA (MGT) / MS (ORGL) Accelerated Program	166
Doctor of Nursing Practice, Pediatric Primary/Acute Care Nurse Practitioner - Creighton BSN Pathway	146	Neuroscience	166
Doctor of Nursing Practice, Psychiatric Mental Health Nurse Practitioner - Creighton BSN Pathway	147	Paramedicine	167
Master of Science in Nursing, Nursing Administration and Leadership - Creighton BSN Pathway	147	M.S. in Paramedicine	169
Master of Science in Nursing, Nursing Education - Creighton BSN Pathway	147	B.S. in Paramedicine/M.S. in Paramedicine Accelerated Program	170
Doctor of Nursing Practice (DNP)	148	Pharmaceutical Sciences	170
Adult-Gerontology Acute Care NP	150	M.S., Pharmaceutical Sciences	172
Family NP	151	Ph.D., Pharmaceutical Sciences	173
Neonatal NP	151	Master of Science (M.S.), Pharmaceutical Sciences/Doctor of Pharmacy (Pharm.D.)	173
Nursing Administration and Leadership	152	Pharmacology and Neuroscience	174
Pediatric Acute/Primary Care NP (Dual Track)	152	M.S., Pharmacology and Neuroscience	178
Psychiatric Mental Health NP	153	Ph.D., Pharmacology and Neuroscience	178
Doctor of Nursing Practice: Post-Graduate	153	Physics	179
Nursing Administration and Leadership (Post-Graduate)	154	M.S., Physics	181
		Medical Physics	183
		M.S., Medical Physics	186

B.S.(PHYB)/M.S.(MPHY) Accelerated Program	186
Public Health	186
Master of Public Health	187
Center for Professional and Corporate Excellence	189
Faculty	190
Index	202

CREIGHTON 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 27 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 degree programs that emphasize education of the whole person — academically, socially and spiritually. The student body has represented all 50 states and U.S. territories, as well as dozens of countries.

Creighton offers more than 140 academic paths in nine schools and colleges (arts and sciences, business, nursing, law, dentistry, medicine, pharmacy, OT, PT and other health professions, graduate school, and adult learning and degree completion). Creighton emphasizes the importance of global education, and study abroad and immersion programs take students to dozens of locations around the world annually.

The University has campuses in Omaha and Phoenix; online educational programs; and occupational therapy partnerships with the University of Alaska in Anchorage and Regis University in Denver; and a campus for nursing students in Grand Island, Nebraska.

Creighton ranks in the top third of National Universities in *U.S. News & World Report's* 2023-2024 "Best Colleges" rankings. Of the approximately 1,400 four-year colleges and universities nationwide ranked by *U.S. News*, about 20% are classified as National Universities for offering a full range of undergraduate majors, master's and doctoral programs, and emphasizing faculty research or awarding professional practice doctorates.

In addition to the overall ranking, the University received additional undergraduate national rankings:

- Nursing was ranked No. 31 nationally in the category, Best Nursing Programs.
- The Heider College of Business ranked in the top 20% in the country, with the finance program ranked No. 15, the accounting program ranked No. 21 and the analytics program ranked No. 14.
- *U.S. News* also recognized Creighton for Innovation, and as a Best Value institution.

Additionally, Creighton online graduate programs in business and education earned top rankings in *U.S. News' 2023 Best Online Programs*. Creighton also was cited in the 2024 *Princeton Review* college guide, "The Best 389 Colleges."

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, and is home to four Fortune 500 companies and several Fortune 1,000 company

operations. The city is the major urban area between Chicago and Denver and between Kansas City and Minneapolis. Creighton's 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.

In addition to the main campus in Omaha, and online education accessible from anywhere in the world, a Creighton University Health Sciences Campus is in midtown Phoenix, and the College of Nursing has a campus in Grand Island, Nebraska.

History

Edward and Mary Lucretia Creighton, along with Edward's brother, John, settled in Omaha in the 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 also widely regarded for their philanthropy.

Edward died in 1874, and his widow included \$100,000 in her will to establish Creighton College in memory of her husband. 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. The land and additional securities were transferred to Bishop James O'Connor of Omaha, and construction began on the school.

The bishop asked the Jesuits to operate the school, and the first president, Roman A. Shaffel, SJ, arrived in Omaha in late 1877. The school opened on Sept. 2, 1878. One priest, two scholastics, a layman and a laywoman formed the faculty. The school began with 120 students ranging in age from ages 6 to 30. On Aug. 14, 1879, Bishop O'Connor surrendered his trust to the Jesuits, who incorporated "The Creighton University" under Nebraska law. Much of the initial teaching was below the collegiate level; in 1891, Creighton University awarded its first baccalaureate degrees.

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 (1971; four-year bachelor's degree program began in 1958)
- College of Professional and Continuing Education (Established as University College in 1983)

Creighton Colleges and Schools

College of Arts and Sciences (<https://www.creighton.edu/arts-sciences/>)

Creighton's largest and oldest college provides students the personal attention they need to be critical and ethical thinkers, creative problem-solvers and clear communicators. The college offers more than 60 majors and minors, as well as pre-professional programs in a wide range of disciplines. Students are prepared to consider issues from multiple perspectives, making them well-rounded individuals and valuable members of any team. The Magis Core Curriculum ensures that all students gain a common set of abilities, in addition to knowledge in their field of study. Undergraduates have many opportunities to do original research, which many universities don't offer until graduate school. Each year, Creighton undergraduates give more than 400 presentations at local, regional and national conferences. Creighton has been nationally recognized by U.S. News & World Report as a top institution for undergraduate research and creative projects.

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

For more than 60 years, the College of Nursing has been a leader in preparing the next generation of nursing professionals. Innovative programs are offered on campuses in Omaha and Grand Island, Nebraska, and in Phoenix. The baccalaureate degree in nursing, master's degree in nursing, and the Doctor of Nursing Practice programs are accredited by the Commission of Collegiate Nursing Education. Creighton's accelerated BSN was one of the first in the nation, and Creighton was the first nursing school in Nebraska to offer the DNP degree and preparation for one of the newest nursing roles, the Clinical Nurse Leader. Creighton's BSN graduates meet or exceed the national average for first-time pass rates on the National Council Licensure Examination.

In 2023, the state of Arizona awarded the College of Nursing \$11.9 million to go toward scholarships and further enhancing Creighton's campus in Phoenix. Nurses who graduate from Creighton's accelerated 12-month program with this scholarship will be clinic-ready and committed to working in Arizona for at least four years, ultimately creating a more talented and diverse nursing workforce within the state.

College of Professional and Continuing Education (<https://www.creighton.edu/professional-studies/>)

Since 1983, the College of Professional and Continuing Education has been meeting – and exceeding – the needs of adult learners. These nontraditional students are supported with flexible learning programs and the resources they need to succeed. With more than 90 majors and minors to choose from, students may take classes on campus during the day or choose online classes to fit studies into their busy lives. No matter which program of study, students benefit from a team of people in place to provide support, including academic coaches, to help them every step of the way. From academic advising to the Career Center staff, Creighton's adult learners have access to the resources they need, when they need them.

Graduate School (<https://www.creighton.edu/graduate/>)

The first master's degree was conferred at Creighton in 1898 and the Graduate School was formally established as a separate division of the University in 1926. The Graduate School serves a variety of students across many disciplines, including business, healthcare, education, medical research and theology. There are over 45 master's level programs available, including accelerated programs, as well as PhD programs and an interdisciplinary EdD in leadership. Creighton graduate programs are designed to meet the needs of students, and are available in several delivery methods, including on-campus, online and hybrid/blended. Nearly two-thirds of graduate students enroll on a part-time basis, which allows them to continue their education while maintaining current employment and meeting the needs of their families.

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

The Heider College of Business has long received top rankings and recognition. The college is on the cutting edge of business education through innovative programs in leadership, entrepreneurship, finance, accounting, investment management and financial analysis, business ethics and more. Heider is among only the top 2% of business schools in the world to be accredited in both business and accounting by AACSB International. More than 90% of students complete at least one internship, and 99% of Heider graduates are employed, enrolled in graduate or professional school, or involved in a service program within six months of graduation. The annual Creighton Business Symposium is the largest student-run business conference in the nation, and the iJay store was the first student-run, Apple® authorized campus store in the world. Heider College is one of the first in the U.S. to offer the FinTech degree – an innovative program for an in-demand career field – and four-year leadership development and career development programs for all business students.

School of Dentistry (<https://www.creighton.edu/dentistry/>)

Since its founding in 1905, the School of Dentistry has prepared thousands of dentists for lives of professional excellence, community leadership and compassionate service. Creighton's close-knit and service-oriented academic community offers students the education and clinical experience they need to begin professionally practicing dentistry upon graduation. Accessible faculty members provide rigorous training and, alongside students, push the boundaries of dental knowledge through cutting-edge research. The state-of-the-art 200,000-plus square-foot dental facility is also home to the Creighton Dental Clinic, where more than 14,000 adults and children receive quality care and a full range of dental services each year. Thousands of dental visits also are provided annually in elementary schools through the school's Healthy Smiles program.

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

The School of Law was founded in 1904 not only to prepare lawyers, but also to develop leaders. It provides students with a powerful education rooted in the Jesuit, Catholic tradition. Its mission is to provide intellectual challenge, academic rigor and an opportunity to develop a foundation of moral values for lifelong service in the law; an environment

for faculty that encourages personal growth and scholarly achievement; and continue its long-established tradition of service to the bar and citizens of the community. Along with its traditional JD program, the law school offers accelerated and part-time JD programs — tailored for busy adult learners and recent college graduates who want to start right away on their law degree — along with dual-degree programs.

School of Medicine (<https://www.creighton.edu/medicine/>)

The School of Medicine has two campuses: one in Omaha and one in Phoenix. Graduates of the School of Medicine practice in all 50 states and are recognized for extraordinary clinical skills, empathy, cultural competence and commitment to service. Graduates' medical licensing scores and pass rates consistently exceed the national average, and 92% of 2023 graduates matched with their top specialty choice. One of the ways Creighton advances healthcare is through research, and Creighton researchers are driven by a strong desire to make a difference in patients' lives. They are making discoveries and developing new therapies in bacterial resistance, cancer, hearing loss, the conditions that impact bone health and loss, and more.

School of Pharmacy and Health Professions (<https://www.creighton.edu/pharmacy-ot-pt/>)

Founded in 1905, the School of Pharmacy and Health Professions has been a groundbreaking national leader in doctoral health professions education. The school developed the first Doctor of Physical Therapy (DPT) and Doctor of Occupational Therapy (OTD) entry-level degree programs in the United States. It also offered the first accredited online pharmacy program in the nation. The school's Center for Health Services Research and Patient Safety is recognized nationally for its work in patient safety research and education. Students in the School of Pharmacy and Health Professions receive excellent foundational education in the basic and professional sciences and first-rate clinical education with faculty who are among the best in the nation. Students also receive their clinical education with an emphasis on interprofessional education and practice, which accentuates team care and patient-centered care, both vital for the practitioners of tomorrow.

Mission and Learning Outcomes

Mission Statement

Creighton is a Catholic and Jesuit comprehensive university committed to excellence in its selected 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 new 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.

Accreditations and Approvals

Creighton University is fully accredited by The Higher Learning Commission, the accrediting agency for the region in which the University is situated.

Higher Learning Commission
230 South LaSalle Street, Suite 7-500, Chicago, Illinois 60604-1413
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 (<https://www.aacsb.edu/accreditation/>) International (graduate and undergraduate programs). The accounting program holds supplemental AACSB Accounting Accreditation from the Accounting Accreditation Committee of the Association. The Executive Healthcare MBA program is accredited by the Commission on Accreditation of Healthcare Management Education (CAHME).

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

The baccalaureate degree in nursing, master's degree in nursing, Doctor of Nursing Practice, and post-graduate APRN certificate at Creighton University is accredited by the Commission on Collegiate Nursing Education (www.aacnursing.org (<https://www.aacnursing.org/>)).

The Medical Physics program is accredited by the Commission on Accreditation of Medical Physics Education Programs (CAMPEP).

The Social Work program, within the Department of Cultural and Social Studies, prepares professional undergraduate social workers and is fully accredited by the Council on Social Work Education (CSWE).

Creighton's initial licensure-level educator preparation programs are accredited by the Council for the Accreditation of Educator Preparation (CAEP) and by the Higher Learning Commission. Additionally, all of Creighton's educator preparation programs are approved by the Nebraska Department of Education.

The program in dental education is accredited by the Commission on Dental Accreditation and has been granted the accreditation status of "*approval without reporting requirements*." The Commission is a specialized accrediting body recognized by the United States Department of Education. The Commission on Dental Accreditation can be contacted at (312) 440-4653 or at 211 East Chicago Avenue, Chicago, IL 60611. The Commission's web address is: <http://www.ada.org/en/coda> (<http://www.ada.org/en/coda/>).

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

The Liaison Committee for Medical Education (LCME) is recognized by the U.S. Department of Education and WFME as the notable authority for the accreditation of medical education programs leading to the MD degree. The medical education (MD) program of the Creighton University School of Medicine has Full Accreditation. The next survey will be in academic year 2027-28. For additional information, go to the website of the LCME at lcme.org or contact the LCME at lcme@aamc.org.

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

The Physician Assistant program is accredited by the Accreditation Review Commission on Education for the Physician Assistant (ARC-PA).

The Master of Public Health program is accredited by the Council on Education for Public Health (CEPH).

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 (<https://www.aota.org/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 Catholic Colleges and Universities, Council of Independent Nebraska Colleges Foundation, Association of Jesuit Colleges and Universities, Council for 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 University Professors, American Association of University Women, Council of Graduate Schools in the United States, Council on Social Work Education, Midwestern Association of Graduate Schools, National Association for Foreign Student Affairs, Nebraska Council on Teacher Education, and Nebraska State Board of Educational Examiners.

Creighton University is authorized to provide online education. See creighton.edu/state-authorization (<https://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 information 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 (<https://www.creighton.edu/academics/libraries/>) to explore any of the Creighton University Libraries.

Campus Facilities

Campus Locations

Creighton University - Omaha
2500 California Plaza
Omaha, Nebraska 68178
Phone: 402-280-2700

Creighton University Health Sciences Campus - Phoenix
3100 N Central Avenue
Phoenix, Arizona 85012
Phone: 602-812-4311

Creighton's urban Omaha campus provides 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 and has been named a "green college" by *Princeton Review* for a strong commitment to the environment and sustainability.

In recent years, facilities projects have included renovations to the Harper Center, which is home to the Heider College of Business and a number of programs and services; a new pharmacy skills lab; the relocation and

renovation of the Clinical Assessment and Simulation Center; upgrades to undergraduate science labs; an expanded dining facility; renovated occupational therapy and physical therapy labs; and the 200,000-square-foot School of Dentistry building, featuring the latest in classroom, laboratory and clinical technology and accommodating larger class sizes and expanded community dental health outreach.

The CL and Rachel Werner Center for Health Sciences Education, opened in fall 2023, as the new home of the School of Medicine and includes shared spaces for each of the University's health sciences programs. Additionally, Creighton opened Graves Hall, a \$37-million residence hall for 400 first-year students. Additional construction underway on campus includes the Jérôme Nadal, SJ, Jesuit Residence, a new residence for the University's Jesuit community.

In Phoenix, Arizona, Creighton welcomed the first group of health sciences students to its facility – the \$100 million Virginia G. Piper Charitable Trust Health Sciences Building – in the Phoenix Medical Quarter in 2021.

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 an undergraduate and/or graduate/professional 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, Reunion weekend, 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 alumni.creighton.edu (<https://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 Title IX and Civil Rights Compliance (see below). To obtain information on accessibility of buildings and programs or to report problems of accessibility, employees should contact Human Resources at 402.280.2709 or HumanResources@creighton.edu. Students should contact the Office of Student Accessibility Services at 402.280.2195 or SAS@creighton.edu.

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 Title IX and Civil Rights Compliance
Creighton Hall Suite 340
Omaha, NE 68178
Phone: 402.280.3189
Email: titleix@creighton.edu
Web: www.creighton.edu/generalcounsel/title-ix-compliance

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

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.

Equity, Diversity and Inclusion Policy

Inspired by the Catholic and Jesuit tradition, our community believes that every human being is a profound gift of God, deserving of both dignity and opportunity. We thus strive to acknowledge and celebrate diversity at Creighton—building equitable, inclusive, welcoming spaces and relationships that are required for every person to thrive.

Equity: Rooted in our Jesuit, Catholic heritage, equity is a form of “*cura personalis*” or care for the whole person. Equity recognizes that individuals have unique experiences as a result of their various, intersecting identities. Because of this, equity seeks to ensure that each individual has the necessary resources for success.

Diversity: Diversity is a quantitative measure of the ways in which we are unique. More specifically, diversity is a group-level phenomenon that recognizes that the intersections of our diverse identities, lived experiences and expressions are vital considerations. Further, our commitment to diversity at Creighton includes the visible and invisible difference characteristics.

Inclusion: Inclusion involves building and sustaining an environment that is equitable and psychologically safe; one that encourages discussion and dialogue. We seek to create a university environment where all in our community can thrive and align with a sense of belonging.

Inclusive Excellence: At Creighton, we understand that at each point of decision-making and management considering the benefits and implications of equity, diversity and inclusion are vital. Further, we understand that progress in these efforts make our entire community stronger, more resilient and adaptable for current situations and our collective future.

To this end, all in our community are charged to foster an environment of awareness, inclusion and compassion for all, regardless of age, culture, faith, ethnicity, immigrant status, race, gender, sexual orientation, language, physical appearance, physical ability or social class.

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.

Degree Policies

Undergraduate Degrees

Singular degree policy

Creighton University does not award dual (two) or multiple undergraduate degrees, whether concurrently or consecutively. Undergraduate students may complete more than one major, but may not earn more than one degree. The only exception is for students who return to Creighton to pursue the accelerated Bachelor of Science in Nursing degree.

The student will choose which major will be primary, which is what will determine the type of degree:

- Bachelor of Arts (BA)
- Bachelor of Fine Arts (BFA)
- Bachelor of Science (BS)
- Bachelor of Science in Business Administration (BSBA)
- Bachelor of Science in Chemistry (BSCHM)
- Bachelor of Science in Environmental Science (BSEVS)
- Bachelor of Science in Nursing (BSN)
- Bachelor of Social Work (BSW)
- Bachelor of Science in Paramedicine (BSPParamedicine)
- Bachelor of Science in Physics (BSPHY)

Joint and Dual Degree Definitions

Dual Degree

A dual degree program is an integrated program of study designed to result in students earning two distinct University degrees in parallel by completing the requirements of two full degree programs, typically over a period of time shorter than would otherwise be required to complete both programs sequentially. It requires the completion of all requirements for each degree, but allows students to count designated credits to fulfill the requirements for both degrees. Students must be accepted and meet the requirements for each degree and follow the rules for the transfer or use of credit from one program to the other. Dual degree programs are primarily designed for the degrees to be earned concurrently, however may be earned consecutively. When one of the degrees is a bachelor’s degree, the degrees will normally be earned consecutively. Undergraduate degrees describe a full program of study, which includes the core, major requirements, and credit hour requirements. Dual degrees can be any combination of Undergraduate degree and Graduate/Professional degree or two Graduate/Professional degrees, however, a student may not earn two Undergraduate degrees, whether concurrently or consecutively. The only exception is for students who return to pursue an accelerated Bachelor of Science in Nursing degree.

Joint Degree

A joint degree is a single academic degree jointly conferred by two or more accredited institutions, or two or more schools/colleges, within

a single, accredited institution. Both institutions, or schools/colleges, would participate in the joint degree program.

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 service members, veterans and their dependents. Creighton's Office of Military and Veterans Affairs provides services and support to our Veterans, Service members, 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 – Veteran Readiness & Employment Program (VR&E)
- Chapter 33 – Post-9/11 GI Bill[®] (including the Yellow Ribbon Program)
- Chapter 35 – Survivors' & Dependents' Educational Assistance (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. 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 2024-2025 academic year, our Yellow Ribbon program provides eligible students with the following:

- Undergraduate students up to \$24,000 additional tuition dollars per academic year (\$12,000 from Creighton with a \$12,000 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 Dentistry up to \$5,000 per academic year (\$5,000 from Creighton with a \$5,000 match from the VA). Maximum of three awards each academic year.
- 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.
- School of Medicine up to \$10,000 per academic year (\$5,000 from Creighton with a \$5,000 match from the VA). Maximum of six awards each academic year.
- School of Pharmacy and Health Professions 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.

GI Bill[®] is a registered trademark of the U.S. Department of Veterans Affairs (VA).

Principles of Excellence

On April 27, 2012, President Obama signed Executive Order 13607, Establishing Principles of Excellence for Educational Institutions Serving Service Members, Veterans, Spouses, and Other Family Members. The published Executive Order is available here (<https://obamawhitehouse.archives.gov/the-press-office/2012/04/27/executive-order-establishing-principles-excellence-educational-instituti/>). Creighton University is a proud signatory and abides by this Presidential Executive Order which addresses key areas relating to Federal military and veterans educational benefits programs. The University affirms our long-standing promise of supporting our military student population, while exercising transparency and full compliance with the individual principles outlined in the Principles of Excellence which are summarized below.

- Provide students with a personalized form covering the total cost of an education program.
- Inform eligible students of Federal financial aid and have a policy to alert students prior to packaging or arranging private student loans or alternative financing programs.
- Abstain from fraudulent and aggressive recruiting techniques and misrepresentations.
- Ensure accreditation of all new programs prior to enrolling students.
- Accommodate Service Members and Reservists while absent due to service requirements.
- Align institutional refund policies with those under Title IV, which governs the administration of federal student financial aid programs.
- Provide educational plans for all military and veteran education beneficiaries.
- Designate a point of contact to provide academic and financial advice.

The Office of Military and Veterans Affairs may be contacted at (402) 280-4063 or veterans@creighton.edu.

Preferred First Name Policy

Creighton University allows students to provide a preferred first name which differs from their legal first name. The preferred first name does not alter the legal name on the student's education record, including the official transcript. Students may indicate their preferred name on the application for admission, or at any time by submitting to the Registrar's Office a completed Preferred First Name Request form located on the Registrar's Office website (<https://www.creighton.edu/registrar/otherservicesandforms/>). More policy details may be found on the website.

Student Accessibility Services

Creighton University is committed to providing services and resources to meet the needs of qualified students with disabilities, ensuring equal access to academic programs and University facilities. Guided by Section 504 of the Rehabilitation Act of 1973, the American with Disabilities Act

of 1990, and the ADA Amendment Act of 2008, Student Accessibility Services coordinates the process through which all students request and receive reasonable accommodations, working closely with faculty and staff to meet individual needs. The Office of Student Accessibility Services is located on the 4th floor of the Old Gym and can be contacted via email at SAS@creighton.edu (sas@creighton.edu) or online at www.creighton.edu/student-success/student-accessibility-services (<https://www.creighton.edu/student-success/student-accessibility-services/>).

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 more than 470 years ago. In addition to their work in parishes, primary and secondary education, the Jesuits sponsor twenty-eight colleges and universities through the Association of Jesuit Colleges and Universities (AJCU).

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. On campus, you will see members of the Jesuit community as your instructors, pastors, chaplains, and university administration and staff.

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, Baltimore
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, St. Louis
Nebraska	Creighton University, Omaha
New Jersey	Saint Peter's University, Jersey City

New York	Canisius College, Buffalo
	Fordham University, Bronx & Manhattan
	Le Moyne College, Syracuse
Ohio	John Carroll University, Cleveland
	Xavier University, Cincinnati
Pennsylvania	Saint Joseph's University, Philadelphia
	University of Scranton, Scranton
Washington	Gonzaga University, Spokane
	Seattle University, Seattle
Wisconsin	Marquette University, Milwaukee

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

ASSOCIATION OF JESUIT COLLEGES AND UNIVERSITIES

One Dupont Circle, NW Suite 610
 Washington, D.C. 20036
 phone: 202.862.9893 fax: 202.862.8523
www.ajcunet.edu (<http://www.ajcunet.edu>)

GRADUATE

2024-2025 Graduate Catalog

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/catalogs (<https://www.creighton.edu/registrar/catalogs/>).

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 the other eight schools and colleges across the campus to provide the administrative vehicle for collaboration by senior faculties at Creighton in offering opportunities for advanced graduate study and research, as well as ensuring standards and policies are administered consistently across all graduate programs. 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, religious leaders, and more 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 Health Informatics, Organizational Leadership, and Government Organization 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 three strong Ph.D. programs for students pursuing degrees in Biomedical Sciences, Medical Microbiology and Immunology, and Pharmacology and Neuroscience. 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.

Graduate certificate options and dual-degree programs provide additional opportunities for students to develop skills and obtain expertise in targeted areas of study so they are well positioned to make a difference in today's workforce. Accelerated bachelors-to-masters (AMP) programs allow Creighton students to complete both a bachelors and masters degree in less time - and at less cost - than if both programs were completed separately.

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.

Cordially,
A. Barron Breland, D.M.
Dean, Graduate School
Vice Provost for Faculty and Academic Affairs

Graduate Academic Calendar

Graduate School

Fall 2024

August

20	Tuesday	Fall semester begins.
26	Monday	Last day to register, drop and add semester classes.
28	Wednesday	Mass of the Holy Spirit, 3:30pm, St. John's Church. 3:30pm classes cancelled.

September

2	Monday	Labor Day Holiday. No classes.
---	--------	--------------------------------

October

13-20	Sunday-Sunday	Fall Recess. No classes.
15	Tuesday	Last day to file online Degree Application for December degree conferral (all programs).

November

7	Thursday	Last day to withdraw from classes with a grade of "W".
Nov. 27 - Dec. 1	Wednesday-Sunday	Thanksgiving Recess. No classes.

December

9	Monday	Final copy of Master's Thesis/Doctoral Dissertation due in Graduate School Office for December degree conferral candidates.
9-14	Monday-Saturday	Final semester examinations.
14	Saturday	December Degree Conferral Date.

Spring 2025**January**

14	Tuesday	Spring semester begins.
20	Monday	Martin Luther King, Jr. Day. No classes.
21	Tuesday	Last day to register, drop and add semester classes.

February

15	Saturday	Last day to file online Degree Application for May Degree Conferral.
----	----------	--

March

9-16	Sunday-Sunday	Spring Recess. No classes.
------	---------------	----------------------------

April

3	Thursday	Last day to withdraw from a class with a grade of "W".
17	Thursday	Holy Thursday. Easter Recess begins April 17, 5pm. No classes beginning at 5pm Holy Thursday through 5pm Easter Monday.
18	Friday	Good Friday. No classes. Offices closed.
21	Monday	Easter Monday. Classes resume 5:00pm

May

6	Tuesday	Last day of classes.
8-9; 12-14	Thurs-Fri; Mon-Wed	Final semester examinations.
12	Monday	Final copy of Master's Thesis/Doctoral Dissertation due in Graduate School Office for May degree conferral candidates.
16	Friday	Baccalaureate Mass. Graduate School Hooding and Commencement Ceremony.

17	Saturday	May Degree Conferral Date.
----	----------	----------------------------

Summer 2025

Note: Start and end dates may vary.

May

19	Monday	Classes begin.
26	Monday	Memorial Day. No classes.

June

15	Sunday	Last day to file Degree Application for August Degree Conferral.
19	Thursday	Juneteenth Holiday. No classes.

July

4	Friday	Independence Day. No classes.
---	--------	-------------------------------

August

11	Monday	Final copy of Master's Thesis/Doctoral Dissertation due in Graduate School Office for August degree conferral candidates.
16	Saturday	Summer Session ends. August Degree Conferral Date.

The Graduate School

Graduate School

<https://gradschool.creighton.edu/> (<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 Graduate School administers 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, 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, the School of Pharmacy and Health Professions, and the College of Professional and Continuing Education.

The graduate faculty serve as program directors, graduate student advisors, and instructors. 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 two-thirds 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 and oral 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 Non-discrimination Statement (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 (<https://gradschool.creighton.edu>). In general, anyone seeking admission to a graduate program must submit the following credentials to Creighton University Enrollment Management:

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 may be required. MCAT or DAT scores are acceptable for applicants to the Medical Sciences 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. Proof of English Language Proficiency.

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 below:

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

MCAT or **DAT** scores may be submitted for applicants to the MS Medical Sciences program.

Programs that do not require a GRE or other test are: MSN, MS-Paramedicine, MS-Educational Leadership, MS-Integrative Health and

Wellness, MS-Organizational Leadership, MA-Christian Spirituality, MA-Ministry, MEd-Elementary Teaching, MS-School Counseling, MEd-Secondary Teaching, Master of Public Health, and EdD-Interdisciplinary Leadership. Although GRE scores are not required for admission to the EdD-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 Management 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 scores), 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. English language proficiency is an important part of the application process for those whose first language is not English. The faculty admission committee for each Creighton graduate program has the discretion to determine individual standards for how this requirement will be met, using one or more of the following:

- English language exam scores: Minimum iBT Test of English as a Foreign Language (TOEFL) score of 90, with no section below 20; minimum IELTS score of 6.5, with no sub-score lower than 6; or a minimum Duolingo score of 110.
- Completion of an undergraduate degree from one of the following countries: Australia, Bahamas, Barbados, Bermuda, British Virgin Islands, Canada, Cayman Islands, Dominica, Grenada, Guam, Ireland, Jamaica, Marshall Islands, New Zealand, St. Kitts, St. Lucia, Scotland, Singapore, Trinidad and Tobago, United Kingdom, United States, and Virgin Islands.

Foreign applicants should request official exam scores to be sent directly to Creighton University. Foreign students may enroll in Creighton University's Intensive English Language Institute (IELI) program on a full-time 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 Engagement 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 - Graduate School 2024-25 Tuition and Fee Amounts

Tuition, fees, board and room charges are payable in advance for an entire semester or summer.¹ (See Financial Arrangements (p. 21).) All rates are subject to change without notice.

Graduate Tuition Rate per Credit Hour per Semester (for campus or online programs unless noted differently below) \$1,000

Graduate Tuition Rates per Credit Hour per Semester for Popular Programs:

Business Programs:

Accounting (Campus)	\$1,000
Business Administration (Online or campus)	\$1,000
Business Analytics (Master or Certificate - Online)	\$1,000
Executive Healthcare MBA (Online)	\$1,000
Finance (Campus or Online)	\$1,000
Investment Management and Financial Analysis (Campus or Online)	\$1,000
Organizational Leadership, (Online)	\$1,000

Health & Science Programs:

Bioethics (Certificate - Online)	\$1,000
----------------------------------	---------

Leadership and Well-Being (Certificate - online)	\$1,000
Health Informatics (Online)	\$1,000
Health Wellness Coaching	\$1,000
Lifestyle Medicine (Certificate - online)	\$1,000
Medical Humanities and Ethics	\$1,000
Neuroscience	\$1,000
Nursing (Masters or Doctorate - Online)	\$1,000
Paramedicine (On-campus and Online)	\$566
Pharmacology	\$1,000
Physics	\$1,000
Public Health (Online)	\$1,000
Education Programs:	
Catholic School Leadership (Certificate - online)	\$280
Early Childhood Education (Certificate - Campus or Online)	\$626
Education (Elementary or Secondary)	\$626
Educational Leadership (Online)	\$626
Education Specialist (Online)	\$626
English as a Second Language (Certificate - online)	\$626
Interdisciplinary Ed.D. in Leadership (Doctorate - online)	\$1,115
K-12 Educational Leadership through Sports (Certificate - online)	\$626
School Counseling & Mental Health (Online)	\$626
Sports Leadership (Certificate - online)	\$1,000
Online Fees:	
University Fee - Grad Distance (Enrolled 9 credit hours or more, per semester)	\$720
University Fee - Grad Distance (Enrolled 7 to 8 credit hours, per semester)	\$329
University Fee - Grad Distance (Enrolled 1 to 6 credit hours, per semester)	\$165
University Tech Fee - Grad Distance (Enrolled 9 or more credit hours, per semester)	\$308
University Tech Fee - Grad Distance (Enrolled 7 to 8 credit hours, per semester)	\$138
University Tech Fee - Grad Distance (Enrolled 1 to 6 credit hours, per semester)	\$70
Campus Fees:	

University Fee per semester (All full-time campus graduate students enrolled for 8 or more credit hours, per semester)	\$720
University Fee (All part-time campus students enrolled 1 to 7 credit hours, per semester)	\$76
University Technology Fee (All full-time campus graduate students enrolled for 8 or more credit hours, per semester)	\$308
University Technology Fee (All part-time campus students enrolled 1 to 7 credit hours, per semester)	\$127
Other Fees (campus or online):	
Heider College of Business Technology Fee (Students not enrolled in HCOB, but taking Business courses)	\$20 per course (capped at \$60 a semester)
Graduate Nursing Academic Program Fee per semester (Enrolled full-time, 8 or more credit hours, per semester)	\$138
Graduate Nursing Academic Program Fee per semester (Enrolled part-time, 1 to 7 credit hours, per semester)	\$70
Graduate Paramedicine Program Fee per semester (Enrolled full-time, 8 or more credit hours, per semester)	\$138
Graduate Parmedicine Program Fee per semester (Enrolled part-time, 1 to 7 credit hours, per semester)	\$70
International Orientation Fee (New international students - 1st semester)	\$100
Late Payment Fee	\$150 (see Late Payment Policy)
Student Health Insurance Premium for six months for graduate students registering for eight or more semester hours ² - estimate	\$1,896
Transcripts	\$7
Late Application for Graduation Fee	\$50
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.

In compliance with the Veterans Benefits and Transition Act of 2018, Creighton University will not impose a late fee, deny access to facilities or services, or assess any other penalty against an eligible student using Chapter 31 (Vocational Rehabilitation & Employment) or Chapter 33 (Post-9/11 GI Bill®) benefits due to a late payment of tuition and/or fees

from VA, so long as the payment is received by Creighton University within 90 days after the date on which the University certifies or invoices for tuition and applicable fees. This restriction does not apply in cases where the student owes additional payment to the University beyond the anticipated amount of the tuition and applicable fee payment from the VA which includes but is not limited to: room, board, and/or parking permit.

- ¹ Registration is not complete until financial arrangements have been made.
- ² 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.
GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs (VA).

Late Payment Policy

A late payment fee will be added to charges assessed at registration that remain unpaid after the last payment date. (See Late Payment Policy (<https://www.creighton.edu/businessoffice/policies/latepaymentfees/>))

A late payment fee of \$150 will be assessed monthly to accounts that remain unpaid. Students with questions regarding their financial responsibilities are invited to contact the Student Financial Services Office at 402.280.1110 to request an appointment for individual counseling.

Special Tuition Rates

Special Tuition Rates for Christian Ministers and Students enrolled in the Christian Spirituality Program

Full-time or part-time clergy, religious, parish administrators, pastoral ministers, catechists, ministers with youth, elderly, family, prisoners, deacons, etc., enrolled in graduate programs in Ministry, Theology, or Spirituality may qualify for the tuition discount based on the graduate 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 Discounts and Required Verification

Creighton University recognizes the service and sacrifice of the men and women who are or have served and supported the United States Armed Forces by providing discounts for select programs at the university. Eligible participants receive 30% on the semester credit hour tuition for the current semester or term.

Students in the following categories are eligible for a discount:

- Active Duty Military
- Retired Military
- U.S. National Guard Member
- U.S. Reserve Member
- Department of Defense Civilian Employee
- Department of Defense Civilian Contractor

- Non-Appropriated Fund (NAF) Employee
- Military Dependents of Active and Retired Military (26 Years of Age or Younger)

Program Discounts: Eligible students will receive a 30% discount on the following programs:

- Financial Psychology and Behavioral Finance (Certificate)
- Healthcare Management (Certificate)
- Master of Accounting (MAC)
- Master of Finance (MFin)
- Master of Public Health (MPH)
- Master of Science in Paramedicine (MS)
- Master of Business Administration (MBA)
- Master of Science in Business Intelligence and Analytics (MSBIA)
- Master of Science in Bioethics (MS)
- Master of Science in Integrative Health and Wellness (MS)
- Master of Science in Investment Management and Financial Analysis (MIMFA)
- Master of Science in Organizational Leadership (MS)
- Master of Science in Negotiation and Conflict Resolution (MS)
- Master of Science in Physics (MS)
- Doctor of Education in Interdisciplinary Leadership (EdD)

10-, 11- or 12-week	1st - 5th calendar day of term	NA	6th - 10th calendar day of term	NA	11th - 15th calendar day of term	16th calendar day of term or after
7- or 8-week	1st - 4th calendar day of term	NA	5th - 7th calendar day of term	NA	8th - 10th calendar day of term	11th calendar day of term or after
4-, 5- or 6-week	1st - 3rd calendar day of term	NA	4th - 5th calendar day of term	NA	6th - 7th calendar day of term	8th calendar day of term or after
3-week	1st and 2nd calendar day of term	NA	3rd and 4th calendar day of term	NA	NA	5th calendar day of term and after
1 or 2-week	1st calendar day of term	NA	NA	NA	NA	2nd calendar day of term or after

Verification

To receive the military discount, students must scan/email a copy (front & back) of their military identification card (Common Access Card [CAC] or Uniformed Services ID Card - <http://www.cac.mil/>) to the Office of Military & Veterans Affairs at veterans@creighton.edu. This is a one-time requirement. The tuition discount will be applied automatically to subsequent terms.

Effective 03.17.2022

Withdrawals and Refunds

The University refund policy has been created to support our mission and allow students the maximum amount of time to reflect and discern their course schedule and educational goals. A student is considered in attendance and is responsible for any tuition balances due until s/he has formally notified Creighton University in writing of their withdrawal.

Tuition refunds are based on the date he/she made their formal withdrawal. Students who formally withdraw from the University before the official start date of the semester or term will not be liable for the tuition or fees associated with each course. If a student withdraws after the official start date of the semester or term, tuition refunds will be posted to the student’s tuition and fees account based on the schedule as shown on the Business Office webpage.

REFUND POLICY

Semester/Tuition & Term	Tuition Fees 100% Refund	Tuition 80% Refund	Tuition 60% Refund	Tuition 40% Refund	Tuition 20% Refund	Not Eligible for Refund
Full Semester	1st - 7th calendar day of semester	8th - 14th calendar day of semester	15th - 21st calendar day of semester	22nd - 28th calendar day of semester	29th - 35th calendar day of semester	36th calendar day and after

Creighton University is required to complete the return of federal aid calculation for all students receiving financial aid. This is a proportional calculation based upon time enrolled during a semester, type of aid received, and direct costs. Students impacted by this policy will receive a worksheet outlining the steps and resulting calculation.

For the Doctor of Medicine program withdrawal/refund policy, please visit the School of Medicine Tuition Refund Policy (<https://www.creighton.edu/sites/default/files/Tuition-Fees-Refund-Policy.pdf>).

Continuing Education Refund Policy: Continuing education and professional development courses may be cancelled by the attendee in writing up to 7 days before the course begins for a full refund, less a \$25 processing fee. Some courses are not eligible for a refund; these exceptions are noted in specific course descriptions. If a course is cancelled by the University for non-weather related issues, the student will be notified and a full refund will be processed. In the event of a weather related closure, the course will be rescheduled.

Refunds of room and board due to withdrawal from the University will be prorated.

Nonrecurring fees, the application fee, the University fee, the technology fee, special service fee and penalty fees will be charged in full, after the 100% refund period. The nonrecurring, penalty, and special service fees include; deferred payments, late payments, special examination/evaluations, challenge examinations, recording, tuition remission administrative fees, orientation fee and lockers.

Undergraduate full-time students who drop courses after the last day for late registration but remain full-time (12 or more credit hours) receive no refund. If a full-time student drops 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 refund schedule. Students assessed tuition per credit hour, including part-time students, graduate students, law students, and students in a

summer session, will be charged for courses dropped in accordance with the refund schedule. In the event of total withdrawal, students will be refunded in accordance with the refund schedule.

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 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 writing of their withdrawal.

Financial Arrangements

Tuition, fees, board, and room charges are payable at the time of registration for a semester. However, arrangements may be made to pay in monthly installments by using the University's Payment Plan. Participation in this plan will be limited to the unpaid balance after all financial aid credits have been applied. For further information on payment plans click here (<https://www.creighton.edu/businessoffice/statementandpaymentinformation/paymentplan/>) to access the Student Financial Services Office webpage.

Students are encouraged to pay tuition and other expenses online via the NEST. Failure to pay any balance on your student account when due may result in the cancellation or administrative withdrawal of a student's registration for the current academic term.

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

Financial Aid

To be considered for financial aid, a student must be accepted for admission as a degree-seeking or certificate-seeking student. Students must complete the Free Application for Federal Student Aid (FAFSA) at www.studentaid.gov (<https://studentaid.gov/>) to be considered for federal student aid.

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 (<https://studentaid.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 at the following : Summer Financial Aid Application (https://blueq.co1.qualtrics.com/jfe/form/SV_2t3DSsxV3K3CTml/)

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 Maurine 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.

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.

De Rance Scholarship for Christian Spirituality

This scholarship was established by the De Rance Foundation for students in the Christian Spirituality program. The program director or scholarship committee will select the recipient(s) and the award amount.

Richard and Joan O'Brien Scholarship

This scholarship was established to assist students in the Master of Arts in Medical Humanities and Ethics program.

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. New and returning graduate students will receive an email notification when their aid offers 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/>) website. The lifetime 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 aggregate limit 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 Grad PLUS loan is a credit based loan. If a student accepts the Grad PLUS loan as part of their aid offer, they give the University the approval to originate the loan, which also includes a credit check on the student, this is needed to determine eligibility. That credit check is good for 180 days. 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 and origination fee changes annually and can be found on the Financial Aid (<http://www.creighton.edu/financialaid/>) 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/typesofaid/summerschoolaid/>) under Applications every spring. Funding received during summer terms may affect loan eligibility for ensuing fall/spring terms.

Easing Tuition Payments

Creighton University offers students a payment plan that can be set up for the summer, fall and spring semesters. See Financial Arrangements Information (<http://www.creighton.edu/businessoffice/statementandpaymentinformation/paymentplan/>) for the complete details.

Important

All financial aid advanced by Creighton University must be used to pay tuition, fees, and University food and housing 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

www.creighton.edu/studentemployment (<https://www.creighton.edu/studentemployment/>)

Handshake is the online career management system for Creighton University students, alumni and employers.

Departments and offices on campus hire students each year in such areas as academic and administrative offices, campus recreation, campus libraries, Admissions, the Skutt and Harper Centers and SODEXHO dining services. Current on campus listings as well as all off-campus jobs, internships and full-time jobs can be viewed at Handshake (<https://www.creighton.edu/careercenter/handshake/>).

At the time of hire, all U.S. students employed on campus must complete the Federal I-9 Employment Eligibility Form. Be prepared to show a valid ID and a document that proves your eligibility to work in the United States. The most commonly acceptable documentation is an original Social Security card or Birth Certificate or U.S. Passport. International students must show U.S Visa with I-94 and I-20.

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.

APPEAL

If extenuating circumstances have affected a student's progress, a written appeal must be received by the Financial Aid Office within 30 days of the date of the termination notification.

A typed statement explaining the circumstances that contributed to your unsatisfactory academic progress during all periods of enrollment regardless of whether or not you received financial aid for those terms. Your statement should include any behavioral modifications you have made or will be making to ensure you can be academically successful in the future.

Documentation supporting your statement, which may include:

- For a medical condition: a physician's (or health care provider's) statement confirming your condition and that they support your decision to continue your enrollment.
- For the death of family member: a copy of the death certificate or obituary.
- For a divorce or separation: a court document or statement from the student/parent.
- For military service: official military orders.

Appeals will be reviewed and a written response sent to the student within 10 days of the decision. Creighton University reserves the right, at any time, to review any individual case should the situation warrant. During this time, you're responsible for any tuition and fees (including late fees) that are charged to your account.

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.

Academic Load

A student who is registered for eight or more credit hours in a semester is classified a full-time student. Twelve credit hours per semester 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 credit hours in a semester is classified as a part-time student. A student who is registered for three semester hours during a semester is classified as a half-time student.

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 (<https://studentlife.creighton.edu/community/student-handbook/>). 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 in the Student Resources section of a BlueLine course.

Academic Misconduct Policy

Academic Misconduct Policy

Preamble

The Creighton University Graduate School recognizes its duty to prepare students who are not only knowledgeable in their disciplines, but who also possess a character sufficiently moral and ethical to be deserving of public trust. With this responsibility in mind, the graduate student is advised that academic and non-academic misconduct will be dealt with swiftly and fairly in accordance with this policy. This policy complements the Code of Conduct outlined in the *Creighton University Student Handbook*.

Policy on Academic Misconduct

Definitions

For purposes of this policy, student **academic misconduct** includes **research misconduct**. Conduct covered by this policy includes, but is not limited to:

- **Cheating:** The deliberate use or attempted use of unauthorized material in an academic exercise, including unauthorized collaboration with classmates, or use of unauthorized work created by artificial intelligence
- **Plagiarism:** The deliberate representation of the words, ideas or work of others as one's own in any academic exercise or research required by or related to the student's graduate program; the appropriation of the language, ideas or thoughts of another and representation of them as one's own original work
- **Self Plagiarism:** The deliberate use of one's own personally submitted or concurrent papers, in whole or in part, except where

expressly permitted in advance by the faculty member for the current course or the student's advisor

- **Falsification:** Falsifying documents, correspondence, reports, or records of any kind, or knowingly providing false information or evidence to University or School personnel, or to others external to the University
- **Fabrication:** The deliberate generation or augmentation of data, information, citation or result in an academic exercise or in research
- **Improprieties of Authorship:** Improper assignment of credit or misrepresentation of material as original without proper referencing of the original authors, whether done in a graduate course, as part of research conducted as a graduate student, or in third party publications occurring during enrollment as a graduate student
- **Facilitating Academic Dishonesty:** The deliberate assistance or attempted assistance of another to commit an act of academic misconduct.
- **Theft or destruction of library materials or other academic or research resources**
- **Endangering or threatening to endanger patients, faculty, staff, fellow students, or damaging their property**
- **Illegal, obscenity-related, and/or other misuse of University-provided resources (e.g., computers, email) related to academic work**
- **Violation of academic or professionalism conduct rules/standards described in course policies, University, School/College, program, or department policies and/or articulated by instructors either verbally or in writing**
- **Disruptive behavior affecting the learning environment of others**
- **Conduct which reflects poorly on the University or the School/College, including conduct in an online learning environment**
- **Refusing to acknowledge, honor and/or comply with requests issued by faculty or administrators related to academic issues**
- **Research Misconduct:** The fabrication, falsification, or plagiarism in proposing, performing, or reviewing research or in reporting research results, or destroying or failing to provide research records. It does not include honest error or differences of opinion. Research Record means the record of data or results that embody the facts resulting from scientific inquiry, including, but not limited to, research proposals, laboratory records (both physical and electronic), progress reports, abstracts, draft or final versions of theses, dissertations, oral presentations, internal reports, or journal articles or other research publications.

All Creighton University graduate students are subject to the standards of academic and research integrity required by the University, and to the possible penalties for academic misconduct in course work and research. In addition, students must also observe any additional standards announced in writing by faculty members for particular courses.

Research misconduct in federally-funded research, research training, or activities related to that research or research training as defined in and governed by University Policy 4.2.2, "Research Misconduct In Federally Funded Research." or as defined in and governed by University Policy 4.2.6. "Research Misconduct in Scholarly and Scientific Research That is not Federally Funded" will be subject to University Policy 4.2.2 or 4.2.6, respectively. Allegations of student academic misconduct that fall within the definition of research misconduct within the scope of Policy 4.2.2 or 4.2.6 shall be reported to the Graduate School Dean and referred to the Research Compliance Officer, and procedures followed as described under Policy 4.2.2 or 4.2.6, respectively.

A. procedures

The following procedures will guide the Graduate School in dealing with matters of Academic Misconduct. While not mandatory, the entire process should be completed within 60 days for Academic Misconduct that is not Research Misconduct, and within 60 days of the receipt of any Final Report from a Research Misconduct inquiry or Investigational Committee governed by University Policy 4.2.2, "Research Misconduct in Federally Funded Research" or University Policy 4.2.6 "Research Misconduct in Scholarly and Scientific Research That is not Federally Funded."

Step 1. Making an Allegation

The faculty member should make the initial determination of academic misconduct within five working days of the discovery of the alleged misconduct, if possible. Research misconduct shall be reported by a faculty member to the Dean of the Graduate School and the Research Compliance Officer within five working days.

Step 2. Determining the Misconduct Level

If the faculty member considers the misconduct to be of a less serious nature, the faculty member may resolve the issue by means of informal methods such as warning, counseling, additional assignments or grading (up to but not including course failure). For more serious misconduct where the faculty member wishes to propose a more stringent penalty (course failure, suspension, required withdrawal, expulsion), the faculty member must follow Steps 3 and 4. The faculty member shall visit with his/her Program Director and/or the Assistant Dean of the Graduate School, notifying them of the allegation, discussing the proposed penalty and discussing the process of filing a misconduct charge and penalty options. The Assistant Dean shall determine if the student has had any prior discipline for academic misconduct. The faculty member shall have the discretion to determine the severity of the proposed penalty, provided, however, that where the student has had prior discipline for academic misconduct, the student is not eligible for informal resolution.

For research Misconduct subject to University Policy 4.2.2, or University Policy 4.2.6, receipt of a Final Report from an Investigational Committee will require determination of the seriousness of the misconduct and appropriate penalties by an ad hoc Academic Misconduct Committee constituted by the Graduate Dean.

Step 3. Meeting with the Student

In all cases of suspected academic misconduct that is not research misconduct, the faculty member shall meet with the student in person or via phone or videoconference within five working days of the faculty member's determination in Step 2 to discuss the allegations. The Faculty Member may request that the Program Director or the Assistant Dean shall participate in the meeting. Such allegations must be grounded in evidence retained by the faculty member. If at any point during the discussion, the faculty member accepts the student's explanation of the alleged misconduct, the process is terminated and the incident is dropped without further action, except as where governed by University Policies 4.2.2 or 4.2.6.

During that initial meeting between the faculty member and the student, the faculty member must provide the student with a hard copy of this policy or direct the student to the policy on the Graduate School's website. Where the faculty member is proposing a penalty that meets or exceeds course failure, the faculty member must advise the student to contact the Assistant Dean regarding the hearing and appeal processes.

Penalties involving grade reductions or additional assignments may be issued in the normal course of the semester. Warnings and assignment penalties should be documented in writing and included in the student's file housed in Academic Affairs for the Graduate School. Grade penalties are not appealable except through the Graduate School's Grade Appeals Policy (applicable to final course grades). Warnings and assignment penalties are not appealable.

Step 4. Initiating Academic Misconduct Charges

Where penalties *equal or exceed course failure*, the faculty member must:

- a. Communicate with the Assistant Dean of the Graduate School
- b. Assure due process for the student by notifying him/her via letter of the alleged misconduct. The faculty member shall provide the letter to the Assistant Dean within any deadline established by the Assistant Dean, who shall assume responsibility for sending the faculty member's letter to the student via regular first-class mail to the student's most recent address of record on file, and to the student's email address. The letter shall (1) identify the misconduct charge, (2) review the evidence in support of the misconduct charge, (3) specify the action recommended, and (4) inform the student of his/her right to appeal this charge. A copy of the Misconduct Policy, along with its appendices, shall be included with the letter. The letter shall be copied to the student's file, the Assistant Dean, the Program Director of the faculty member involved, and the student's academic advisor.
- c. Instruct the student to contact the Assistant Dean immediately to discuss the procedure for accepting the proposed penalty or initiating an appeal.

Upon receipt of a Final Investigational Report resulting from a charge of Research Misconduct, as governed by Policy 4.2.2 or 4.2.6, the Dean may propose penalties in addition to any recommendations included in the Research Misconduct Final Investigational Report. Where penalties equal or exceed course failure, the Dean must:

- a. Assure due process for the student by notifying him/her via letter of the alleged misconduct via regular first-class mail to the student's most recent address of record on file and to the student's University email address. The letter shall (1) identify the misconduct charge, (2) review the evidence in support of the misconduct charge, (3) specify the action recommended, and (4) inform the student of his/her right to appeal this charge. A copy of the Misconduct Policy, along with its appendices, shall be included with the letter. The letter shall be copied to the student's file, the Assistant Dean, the Program Director of the faculty member involved, and the student's academic advisor.
- b. Instruct the student to contact the Assistant Dean of the Graduate School immediately to discuss the procedure for accepting the proposed penalty or initiating an appeal.

Step 5. Student Acceptance or Rejection of Charges

Where the penalty meets or exceeds course failure, the student has five (5) working days from the date of the letter sent in Step 4 to accept the penalty using the Academic Misconduct Signature Sheet attached to this policy as Appendix A, or appeal the decision of the faculty member or Dean. The appeal shall be initiated by the student in writing to the Assistant Dean using the Intent to Appeal form, which is attached to this policy as Appendix B. Failure to submit a completed Intent to Appeal

form within 5 working days shall constitute acceptance of the penalty and waiver of the right to appeal.

Step 6. Appeal Preparation

1. Once a student files the Intent to Appeal form with the Assistant Dean, the Assistant Dean will notify the Graduate Dean that an appeal is pending for allegations of academic misconduct that is not research misconduct. The Assistant Dean will also notify in writing the faculty member, the Program Director, and the student's academic advisor. Notice shall be made under confidential cover.
2. The Graduate Dean is responsible for convening a five-person Academic Hearing Subcommittee of the Graduate Board, one of whose members shall be a graduate student in good standing.
3. The Assistant Dean will establish the date on which the case will be heard by the Subcommittee. The student, his/her academic advisor, the faculty member levying the charge and his/her Program Director will be informed in writing by the Assistant Dean of the time and place of the hearing. The student will be informed in writing by the Assistant Dean of the right to have an advisor/legal counsel present.
4. If the student elects not to appear in person before the Subcommittee, his/her responsibility for presentation of the case is not waived. Under these circumstances, the Subcommittee will deliberate, and act based on the evidence available at the time of the hearing.
5. The Assistant Dean shall provide the student with a list of any documentation, including a statement of the student's position, a witness list and any supporting evidence, which must be submitted for presentation to the Subcommittee and the deadline for submitting such documentation. The student shall submit such documentation to the Assistant Dean within stated deadlines. The student is encouraged to present an oral statement to the Subcommittee at the time of the hearing as well.
6. The Assistant Dean shall provide the faculty member with a list of any documentation, including a statement of the allegations, a witness list and any supporting evidence, which must be submitted to the Assistant Dean according to the deadlines established by the Assistant Dean.
7. The Assistant Dean will forward the reports, witness lists and submitted evidence to the Subcommittee members prior to the scheduled hearing. The Assistant Dean shall have the discretion to gather and submit to the Subcommittee any additional evidence known by the Assistant Dean to be available and relevant to the case. Reports prepared by one party are not shared with the other party unless so decided by the Subcommittee. Witness lists and document evidence are shared with both parties.
8. The Assistant Dean may convene the Subcommittee prior to the hearing to review evidence (including pertinent components of the student's educational record), discuss issues and identify witnesses to call. The Subcommittee is not required to call all witnesses identified by either party but will call all those whom the Subcommittee believes necessary to allow it to make an informed judgment on the case.
9. If the Subcommittee feels that the case against the student is without merit, it may dismiss the case at the meeting held pursuant to Step 7, Section 6.

Step 7. The Appeal Hearing

1. At the start of the hearing, Subcommittee members will be advised of the sensitive and confidential nature of the proceedings by the Assistant Dean, who will act as a nonvoting Chair of the hearing. The hearing will be recorded in its entirety and, if necessary, transcribed.
2. The Subcommittee is charged with reviewing the pertinent facts of the case as presented by the student, faculty member, key witnesses, and available in the student's educational record, and rendering a decision by majority vote.
3. The Subcommittee has the exclusive right to call and question witnesses. The charged student and faculty member involved in the case do not have the right to be present during the presentation of evidence or the questioning of witnesses.
4. Any advisor/legal counsel for the student who is present at the hearing may only serve in an advisory capacity to the student, and may not introduce evidence, cross-examine witnesses or address the Subcommittee without being permitted to do so by the Chair. In the event the student elects to have an advisor or legal counsel present, University counsel will also be present. University counsel may cross-examine witnesses and address the Subcommittee.
5. After the presentation of evidence, the Subcommittee will deliberate and render a decision. The Subcommittee can reconvene for additional hearing testimony or additional deliberations, if needed, provided notice is provided to the student, faculty member and Dean. Only Subcommittee members and University counsel may be present during deliberations. If necessary, the Subcommittee may recess but should resume deliberations at the earliest possible opportunity. The decision is reached by a majority vote of the Subcommittee. The Subcommittee's decision shall be based on a preponderance of the evidence.
6. If a student is found innocent of the Academic Misconduct charge, the Subcommittee has the authority to dismiss the case. The Dean shall expunge the student's permanent academic file of all documents relating to the alleged offense and shall direct the faculty member to expunge his or her files of any documents relating to the alleged offense.
7. If a student is found guilty of Academic Misconduct, the Subcommittee has the authority to levy a penalty more severe than that recommended by the faculty member. The Subcommittee may not levy a penalty less severe than that recommended by the faculty member if the original penalty was within the faculty member's jurisdiction (up to and including course failure). If the original penalty recommended by the faculty member was outside of his/her jurisdiction (e.g., suspension, dismissal), the Subcommittee has the authority to uphold the penalty or to impose a penalty that is either more or less severe.
8. The Assistant Dean will be notified in writing of the decision of the Subcommittee. Within five (5) days, the Assistant Dean shall notify in writing the charged student, the faculty member, the Dean, the student's academic advisor, the faculty member's Program Director and any other individuals deemed appropriate by the Subcommittee. A copy of the correspondence will be placed in the student's file maintained in the Office of Academic and Student Affairs for the Graduate School.

Step 8. Additional Appeals

1. The student may appeal the decision of the Subcommittee to the Graduate Dean within five (5) working days following notification of the decision. Notice of intent to appeal shall be made on the form attached as Appendix B. The Dean's decision shall normally be made within 5 working days. No hearing will be held in connection with the appeal

to the Dean. The Graduate Dean, at his/her discretion, may request a meeting or teleconference with the student to discuss the appeal prior to the Dean's decision. Except in cases where the penalty imposed is expulsion from the University, suspension or a required withdrawal from the university, the Dean's decision is final. Pending resolution of an appeal, the student's status as a student remains unaltered except 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 Dean.

If the student is appealing a decision of the Dean that involves expulsion from the University, suspension or a required withdrawal from the university, the student may make a written appeal to the Provost within five (5) working days following notification of the Dean's decision. The notice of written appeal shall be delivered to the office of the Provost using the form attached as Appendix B. The student shall also deliver copies thereof to the office of the Graduate Dean. No hearing will be held in connection with the appeal to the Provost. Pending resolution of an appeal, the student's status as a student remains unaltered except 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 Provost. The Provost shall only recommend a change in the decision made at the lower level of appeal if the decision is arbitrary or capricious or clearly unsubstantiated by the evidence. The Provost's decision shall normally be made within ten (10) working days, and is considered final.

If the student is found not to have committed an act of academic misconduct at any level of appeal, then the Dean shall expunge the student's permanent academic file of all documents relating to the alleged offense and shall direct the faculty member to expunge his or her files of any documents relating to the alleged offense.

2. Copies of all documents pertaining to the case and all appeals will be entered into the student's permanent record and the permanent record of the Academic Hearing Subcommittee after all University based appeals have been exhausted.

3. If it is subsequently discovered that false information or evidence was provided by the student either prior to or during the hearing, regardless of whether the right to a hearing was waived, the case may be reopened and the Subcommittee will reconsider the case based on the new information. In addition, the provision of false information or evidence will be considered an additional charge. To the extent possible, the original Subcommittee members will be retained on the reconvened Subcommittee.

B. Rights and Responsibilities

1. Student Rights and Responsibilities

The student charged with Academic Misconduct has the right and responsibility to:

- Be notified in writing of (1) the charges against him/her, (2) the basis for the charges, (3) the penalty proposed by the faculty member, (4) the right to a hearing, and (5) procedural steps.
- Attend class and exercise the privileges of all other graduate students pending the outcome of the hearing, except 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 or reasons related to disruption of the academic, scholarly or administrative environment in Creighton facilities. The decision

on student status will be made by the Dean of the Graduate School ("Dean").

- Have an advisor or legal counsel present during the presentation of the case to the Academic Hearing Subcommittee of the Graduate Board. The student is advised that if s/he elects to bring counsel to the hearing, the University is bound to also be represented by counsel. The student's advisor or counsel may not directly participate in the hearing, but may provide advice and counsel to the student.
- Waive the right to be heard before the Academic Hearing Subcommittee of the Graduate Board. The student is advised that, in so doing, s/he automatically agrees to accept the penalty proposed by the faculty member or levied by the Academic Hearing Subcommittee of the Graduate Board.
- Comply with deadlines and other requirements of this Policy.

2. Faculty Member Rights and Responsibilities

The faculty member who brings a charge of academic misconduct has the right and responsibility to:

- Participate in assuring the student receives due process by notifying the student via email and letter of the alleged misconduct.
- Make the initial determination, subject to this policy, of the seriousness of the alleged academic misconduct.
- Comply with deadlines and other requirements of this Policy.
- In the case of research misconduct, the faculty member has the responsibility to report the misconduct to the Graduate Dean and the Research Compliance Officer in accordance with the Reporting Noncompliant Conduct in Research and Sponsored Programs Policy, who shall handle the matter according to Policy 4.2.2 or 4.2.6, as appropriate.

3. Assistant Dean Rights and Responsibilities

The Assistant Dean of the Graduate School ("Assistant Dean") has the right and responsibility to:

- Oversee the handling, documentation and dissemination of information resulting from incidents of Academic Misconduct, subject to the requirements of University Policy 4.2.2, "Research Misconduct In Federally Funded Research." and University Policy 4.2.6. "Research Misconduct in Scholarly and Scientific Research That is not Federally Funded". If, for any reason, the Assistant Dean is unable to discharge the responsibilities outlined in this policy, they will be transferred to a School administrator designated by the Dean.
- Confer where appropriate or upon request with the faculty member or charged student about policy and process.
- Post the faculty member's letter to the charged student by certified mail and regular first class mail and by email.
- Ensure that all correspondence regarding the case becomes a part of the student's educational record, unless the charge is found to be groundless on appeal.
- Recuse him/herself in the event the Assistant Dean is the faculty member levying the charge of academic misconduct or is otherwise subject to a conflict of interest. In such an event, the Dean shall designate a replacement for the Assistant Dean's functions under this Policy.
- Comply with deadlines and other requirements of this Policy.

4. Academic Hearing Subcommittee Rights and Responsibilities

The Academic Hearing Subcommittee (“Subcommittee”) has the right and responsibility to:

- Access the complete educational record of the charged student.
- Access the Final Inquiry or Final Investigational Report resulting from a report of Research Misconduct to the Research Compliance Officer, as well as any supporting evidence.
- Meet prior to the hearing to review the documentation and discuss the case.
- Rule on challenges by the faculty member or charged student about the impartiality of Subcommittee members.
- Call and question witnesses.
- Determine who shall remain in the room during testimony.
- Levy penalties for misconduct charges upheld by the Subcommittee.
- Request additional evidence from the faculty member, the student, or the University, where necessary, in the sole judgment of the Subcommittee, to its decision.
- Keep confidential information regarding any current or past misconduct matters.
- Maintain hearing documents, audiotaped records of the hearing, and any transcription of the hearing in a secure manner.
- Ensure that the faculty member and charged student can exercise their rights to challenge the impartiality of any member of the Subcommittee prior to the hearing.
- Consider evidence, render a decision on the case, and communicate that decision to the Assistant Dean.
- Comply with deadlines and other requirements of this Policy.

C. Notices

Any notices required under this policy may be delivered in person or via e mail to official university email addresses, with copy sent by US mail, provided receipt is within the deadlines established by this policy.

D. Reserved Rights of the Graduate School

The Graduate School reserves the right to modify, deviate from, or make exceptions to this Policy 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 application, admission, or enrollment. This Policy is neither a contract nor an offer to enter into a contract. Each student is responsible for knowledge of the School’s policies, as well as for changes promulgated by the School as addenda to this Policy. This policy supersedes all previous versions of the Academic Misconduct Policy and Graduate School policies. Any changes which are made in the University’s Student Handbook will automatically be incorporated into this policy.

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 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).

Admission to Candidacy for an Advanced Degree

Admission to the Graduate School does not imply admission to candidacy for the EdD or PhD degree. Students are granted candidacy to the Interdisciplinary EdD program in Leadership after successful completion of 32 credits and upon satisfactory portfolio review and approval. Students in the Doctorate of Business Administration (DBA) program advance to candidacy after successful completion of all required Business Content coursework and Research Methods coursework, as well as the successful defense of their dissertation proposal. In order to be advanced to candidacy for the PhD 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 PhD or to measure terminal learning outcomes at or near the completion of the program of study.

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 Provost, 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.

Application for Degree or Certificate/Commencement

Application for Degree and Commencement Degree Application

Each student *must* file a formal application for degree (completed online through the NEST > Student Services > Student Records > Degree Application and Graduation Participation) by the following deadlines:

Degree completion in Spring Semester (May conferral):
Application due February 15

Degree completion in Summer semester (August conferral):
Application due February 15 - if participating in the May Commencement ceremony; If not participating in May Commencement ceremony, application is due June 15

Degree completion in Fall semester (December conferral):
Application due October 15; Undergraduates participating in the May Commencement ceremony prior to degree completion, application due February 15)

Late applicants may be charged a late fee.

Degree Conferral

Creighton awards/confers degrees on a common date in May, August, and December annually, regardless of the date of the Graduation/Commencement ceremony.

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.

Graduation/Commencement Ceremonies

Annual University Commencement ceremonies for all Colleges and Schools are held in May. The Graduate School holds a University Commencement ceremony in December for students who complete their degrees in Summer or Fall.

The Graduate School students who complete their degrees in the Spring Semester are expected to be present at Commencement. Students who complete their degree programs in the Summer or Fall Semesters may attend Commencement in December following completion or the May prior to completion with permission of the Dean.

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

Diplomas and Certificates

Creighton provides all graduates with a digital diploma or certificate (CeDiploma or CeCertificate) and a traditional paper diploma or certificate. Traditional diplomas or certificates will be mailed and digital diplomas or certificates will be sent to the graduate's Creighton email account after confirmation of completion of all requirements by the respective Dean and grade and degree processing by the Registrar.

CeCredential Trust® is Creighton's trusted partner providing lifetime secure, verifiable documents with digital signatures and encryption, enhancing trust and acceptance by employers, state government licensing agencies, etc. Additional information and Credential Validation is located on the Registrar's website (<https://www.creighton.edu/registrar/graduationcommencement/>).

Note: Diplomas are released only when all outstanding holds are cleared and the account is in good standing.

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: February 15

Certificate completion at end of Summer: June 15

Certificate completion at end of Fall semester: October 15

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.

Graduation Honors

Students graduating with a Doctor of Nursing Practice degree who achieve a cumulative grade point average of 4.0 will be identified as graduating "with high honors." Those who achieve a cumulative grade point average between 3.90 and 3.99 will be identified as graduating "with honors."

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.

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.

Non-degree Students

Non-degree (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. Non-degree 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.

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. Graduate students who complete their degree programs in the Fall Semester may attend the combined Commencement/Hooding ceremony in December or the May following degree completion. Students who complete their degree programs during the Summer are encouraged to attend Commencement the preceding May, or may participate in the December ceremony following completion. Diplomas will be mailed to successful degree candidates upon confirmation of the completion of all degree requirements by the respective Dean(s).

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 in accordance with requirements and deadlines established by the respective graduate program director(s).

The Graduate School normally holds a combined Commencement/Hooding ceremony in May and December.

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 identified for a specific program. The student should consult with his or her advisor and the faculty throughout the formal course of 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:

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.

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.

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

FERPA permits disclosure of education 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, expected graduation date, 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.

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:

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

Location, Types, and Custody of Education Records

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

Registrar's Office (Old Gym, Suite 230)

- 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 (Championship Center & Ryan Athletic Center)

- Directory information
- Recruiting and eligibility records
- Performance statistics

Global Engagement Office (Creighton Hall 324)

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

Office of the Provost (Creighton Hall 236)

- Academic misconduct records

Community Standards and Student Conduct (Creighton Hall 224)

- Disciplinary records

Office of Title IX and Civil Rights Compliance (Creighton Hall 340)

- Disciplinary records

Department of Residential Life (Swanson Hall, Room 136)

- Housing information
- Dining services information

Student Accessibility Services (Old Gym, 4th floor)

- SAS records

Student Counseling Services (Markoe Hall)

- Counseling records

Student Financial Aid Office (Harper Center, Suite 1100)

- Financial aid records

Student Financial Services Office (Harper Center, Suite 1100)

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

Student Health Education and Compliance (Kiewit Fitness Center, Room 225)

- Medical records

University Relations (Cardiac Center, Room 336)

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

Vice Provost for Faculty and Academic Affairs (Creighton Hall 236)

- Academic misconduct records

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

Course Key to Abbreviations and Symbols

The standard course description includes a variety of abbreviations or symbols indicating essential information. The following is a sample course description with the individual abbreviations and symbols explained in the order in which they appear in that description.

BIO 202. General Biology: Cellular and Molecular. 3 credits. FA, SP, SU Introduces the conceptual bases of biology and presents the molecular and cellular aspects of metabolism, genetics, and other selected systems. P. One year of college or high school chemistry of sufficient depth and rigor to enable the student to participate in the study of the molecular aspects of biology; Understanding Natural Science; CHM 105 with a grade of B- or better, or CHM 203 with a grade of C- or better; or IC.

Symbol	Definition
BIO	Department (subject or discipline) abbreviation. Standard three-letter symbols are used throughout the University to identify the subject fields.
202	Course number. If a course has been renumbered, the old course number appears in parentheses following the new number.
General Biology: Cellular and Molecular	Course Title
3 credits	Credit value of the course in terms of number of semester hours of credit.
FA, SP, SU	Term offered. FA indicates fall semester; SP indicates spring semester; SU indicates summer semester.
W	Indicates winter session.
AY	Alternate year, indicating that the course will be offered every other year.
SU (OD)	Indicates the course is also offered in the summer term on demand.
ENY, ONY	Indicate that course is offered in term shown of even-numbered years (ENY) or odd-numbered years (ONY).
3R, 3L	Class structure. R, L, S, C, D, Q indicate recitation lecture, laboratory, studio, conference, discussion, quiz. Hence, 3R, 3L indicates three hours of lecture-recitation and three hours of laboratory per week. For courses consisting of lecture-recitation periods only, the number of class hours per week, unless indicated otherwise, is the same as the credit value of the course and is not specified in the course description.
P	Prerequisite: the preliminary requirement that must be met before the course can be taken. When prerequisites are set forth in the introductory department statements preceding the course listings, they apply as indicated even though not repeated with the individual course descriptions.

CO	Corequisite: a requirement, usually another course, that must be completed in the same term.
DC, IC	DC, department consent, and IC, instructor consent, signify that a student must have the permission of the department or instructor in addition to or in lieu of other course prerequisites.

NOTE: Not all of the foregoing information may be noted in any individual course.

Course Levels and Numbering System

Undergraduate and Graduate level course numbering is as such:

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 (doctoral level).
900-910	Graduate courses (doctoral level).

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	4.00 Outstanding
A-	3.67 Excellent
B+	3.33 Good
B	3.00 Satisfactory
B-	2.67 Marginal
C+	2.33 Unsatisfactory but passing
C	2.00 Unsatisfactory but passing
F	0.00 Failure
AF	0.00 Failure, excessive absences
WF	0.00 Failure, unauthorized withdrawal
X	0.00 Absent from Final Exam
UN	0.00 Unsatisfactory
I	Incomplete
SA	Satisfactory
AU	Audit only; no credit
W	Withdrawal from a course

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 Incomplete Request and 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 end of the course. If the incomplete is not cleared within this limit, the grade specified in the incomplete agreement will be recorded by the university; 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 register 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 an 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 graduate students 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 "C" is required to earn graduate credit in any graduate-level courses (See specific program handbooks 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 grade-point average of 3.00 in the graduate program.

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 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 6 credit hours will be dismissed from the Graduate School.

Academic Dismissal

Any student who accumulates more than six credit hours of grades below B-, 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 studentlife.creighton.edu/community/student-handbook (<https://studentlife.creighton.edu/community/student-handbook/>).

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 Temporary Withdrawal. An exception may be granted for military students who are being deployed, provided they have communicated this information to their program director.

Heider College of Business: Dean's Honor Roll for Social Responsibility

The Heider College of Business recognizes that business should be a positive force in society. Hence, business education must include an appreciation of the relationship between business and social responsibility. Toward this end, the Heider College of Business' Honor Roll for Social Responsibility honors its graduate students who take the opportunity to serve their community.

Each fall and spring term, graduate students in the Heider College of Business who perform a minimum of 15 hours of confirmed community service and submit a reflection are placed on the Dean's Honor Roll for Social Responsibility for that semester. Students may be recognized at the Bronze Level (15-24 hours), Silver Level (25-49 hours), Gold Level (50-74 hours), or Platinum Level (75+ hours). The Honor Roll designation appears on the students' transcripts and students receive a certificate of achievement.

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" (or equivalent based on the course grading scale) will be recorded. 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". 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. In cases where an Incomplete Request and Agreement Form is not submitted, a grade of "F" (or equivalent based on the course grading scale) is assigned after one year from the end of the term in which the Incomplete was given.

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 prerequisite 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.*

Posthumous Degree/Certificate

A degree or certificate may be awarded posthumously if the following conditions are met:

- The student was enrolled in the final year of his/her academic program;
- The student had completed a majority (generally 85%) of the required credits with passing grades;
- The student was in good academic and disciplinary standing;
- The posthumous degree or certificate has final approval from the President.

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 advisor or academic coach 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. 38) 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 maintain 'active' student status, allowing them to have building access and to 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).

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.

Temporary Withdrawal

Students who are seeking a degree or certificate in an undergraduate, graduate, or professional program may request a Temporary Withdrawal. Reasons for such a request may include medical/psychological, personal or military obligations. This withdrawal is considered to be a temporary interruption in a student's program of study and must be approved by the student's school/college. The request must be made:

- After the end of the semester when a student doesn't plan to return for the next semester but plans to return within one year.

- During a semester when a student withdraws from all courses after the withdrawal deadline and plans to return within one year.

The duration of the temporary withdrawal may be up to one year (including the summer term). A student requesting to return to the University after being on a temporary withdrawal for longer than one year must make formal application for readmission. Unique circumstances requiring an absence longer than one year (e.g. Religious Obligations, Military) must be discussed and approved by the appropriate Dean.

Students enrolled in the College of Professional and Continuing Education will follow the '*Student Stop-Out and Readmission Policy*'

When a student is granted a temporary withdrawal mid-semester, final grades of 'W' will be assigned. All previously graded courses at the time of the request will remain on the student's record, regardless of the semester in which the courses were taken.

A temporary withdrawal initiated mid-semester may result in a loss of tuition. Student responsibility for tuition, fees, and any other costs is determined in accordance with the Refund Policy and Schedule.

Students must re-register for (and retake) any of those courses that are required upon their return. This will necessitate the repayment of tuition for those courses.

Students should be aware that being on an approved temporary withdrawal does not change the time limit to complete their degree or certificate. The time taken during the temporary withdrawal will be included as part of the student's time to completion. Time limitations which pertain to the completion of courses from previous semesters in which a grade of 'I' (Incomplete) was given are not waived.

It is the responsibility of the student to notify the Financial Aid Office prior to the temporary withdrawal in order to retain future scholarship eligibility. Semesters absent under an approved temporary withdrawal do not count against the eight semester limitation for Creighton University scholarship funds.

During the temporary withdrawal period, students are not considered to be enrolled at Creighton University for the purpose of loan deferments. However, students are eligible for services of the Career Center and library facilities.

If a student is approved for a temporary withdrawal and later is suspended, dismissed, placed on warning for unsatisfactory academic performance or is suspended, dismissed or expelled as the result of a disciplinary action, the sanctions take precedence over a temporary withdrawal and stand as a matter of record.

Only written requests that include specific information about why the temporary withdrawal is being requested will be considered. There is no guarantee that a request will be granted. A temporary withdrawal cannot be approved retroactively.

A student on an approved Temporary Withdrawal must request and receive permission in advance to enroll in courses at another regionally-accredited institution during this time. Courses not approved in advance may not be transferred back to Creighton University.

Temporary Withdrawal – Medical/Psychological

This may be requested when a student's health condition significantly impairs his/her ability to function successfully or safely as a student. If the student is unable to participate in the temporary withdrawal

process, the student's parent, spouse, advisor, or other designee may do so on behalf of the student, once the incapacitation of the student is documented. A licensed healthcare provider must submit a letter substantiating the condition and supporting the withdrawal.

Temporary Withdrawal – Personal

This may be requested when personal circumstances (e.g., family illness, death or other emergency) interrupt a student's academic progress.

Temporary Withdrawal – Military Obligations

Creighton University supports its students who are military members of the National Guard or Reserves who are called into active duty for military service by the United States during a war, other operation or national emergency, however, this excludes active duty for training or attendance at a service school. If the student's military service requires an absence longer than one year, the student should discuss this with the Dean of the college or school.

The following guidelines will apply to approved temporary withdrawals due to military obligations:

1. The student will receive a full refund of tuition and fees paid to Creighton University if the request for a withdrawal for military service is filed prior to the last day to drop classes.
2. The student will have a choice of three options if the request for a 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 withdrawal request.
 - d. Options b) & c) may be combined should circumstances warrant, at the discretion of the Office of Military & Veterans Affairs.
3. 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).
4. Federal financial aid awards will be returned, if required, according to Return of Title IV funds calculation as determined by the Department of Education.
5. 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.

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.

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 mid-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.

The Degree Program Plan of Study

Upon matriculation the student, in conjunction with their advisor or academic coach, 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 or academic coach, 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. program 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 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.

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. 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 three weeks in advance of the date, time and location 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 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 from the Graduate School. 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 or dissertation to ProQuest, which will in turn transmit a digital file to the Creighton University Libraries for permanent storage in the Digital Repository. 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.

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 Doctor of Education (Ed.D.) 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 Dean of the Graduate School 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.

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 on the Registrar's website (<http://www.creighton.edu/registrar/transcriptorders/>). Copies are not made of transcripts on file from other institutions; any additional copy of these must be requested by the student directly from the original issuing institution.

Transcripts will not be released to a third party while a student is part of an on-going investigation that may lead to suspension, expulsion or dismissal.

Students who are suspended or expelled from Creighton University due to non-academic reasons will have the following notations appear on their permanent academic record, including the official transcripts of the University:

- Disciplinary Suspension
- Disciplinary Expulsion

Students who are in an ongoing investigation may have the following notation appear on their academic record, including the official transcripts of the University:

- Withdrawal Pending Conduct Resolution

Students who are dismissed from Creighton University or from a College/School within Creighton University due to academic reasons, including academic integrity violations, will have the following notations appear on their permanent record, including the official transcripts of the University:

- Academic Dismissal from Creighton University
- Academic Dismissal from (School or College)

Transfer of Credit

A graduate student's degree program needs to be undertaken primarily at the direction of Creighton's faculty. Credit earned within the past 7 years 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 Dean of the Graduate School 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 Doctor of Education (EdD) program in Leadership. No transfer credits are accepted in the Doctorate of Business Administration (DBA) program. Prerequisite undergraduate courses will be accepted in the plan of study (but not counted 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 (non-degree status) in the Graduate School may not exceed nine semester hours, except in the case of hours earned in pre-approved certificate programs.

A maximum of three credits in transfer may be accepted for graduate certificates. For post-graduate certificates in the College of Nursing, no transfer credit will be accepted.

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.

All classes taken for graduate credit while an undergraduate student will apply toward both the graduate and undergraduate GPA.

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.

Interprofessional Education (IPE)

Code	Title	Credits
IPE 001	Interprofessional Education Passport	0
IPE 003	Interprofessional Collaborative Practice: What You Need to Know	0
IPE 004	Introduction to Collaborative Care for Educators and Professionals	0
IPE 500	Introduction to Collaborative Care	0-0.5
IPE 512	Cultural Immersion and Experiential Learning in China	3
IPE 515	Interprofessional Palliative Care	1-2
IPE 520	Interprofessional Childhood Motor Play and Development	1

<https://www.creighton.edu/healthsciences/interprofessional/> (<https://www.creighton.edu/healthsciences/interprofessional/>)

Interprofessional education is defined as "when students from two or more professions learn about, from and with each other to enable effective collaboration and improve health outcomes" (WHO, 2010).

Collaboration among health care professionals is key to delivering better care to improve the patient experience. The Center for Interprofessional Practice, Education and Research (CIPER) is the catalyst for interprofessional education and practice for Creighton University and CHI Health, our primary academic health partner. CIPER is part of the Nexus Innovations Network supported by the National Center for Interprofessional Practice and Education.

This innovative enterprise ensures students in Creighton's health sciences programs receive an interprofessional education that prepares them to collaborate and share knowledge with other health care professionals in their future careers. The IPE 001 Interprofessional Education Passport consists of student learning activities focused on meeting the core competencies for interprofessional collaborative

practice and each profession's interprofessional education accreditation requirements.

As a Creighton health sciences student, you **must** complete three IPE 001 Interprofessional Education Passport activities to graduate. **Prior** to enrollment in the IPE 001 Interprofessional Education Passport, you must successfully complete IPE 500 Introduction to Collaborative Care. Upon completion, students will earn a satisfactory grade in IPE 001 Interprofessional Education Passport on their transcripts. In order for an activity to be approved as part of the IPE Passport, it must meet certain criteria and be approved by the IPE Curriculum Committee. These criteria are outlined on CIPER's website.

IPE 001. Interprofessional Education Passport. 0 credits.

The Interprofessional Education Passport consists of student learning activities focused on meeting the core competencies for interprofessional collaborative practice and each profession's interprofessional education accreditation requirements. Interprofessional education is defined as "when students from two or more professions learn about, from and with each other to enable effective collaboration and improve health outcomes" (WHO, 2010). As a Creighton health sciences student, you must complete three IPE Passport activities to graduate. Prior to enrollment in the IPE Passport, you must successfully complete IPE 500: Introduction to Collaborative Care. In order for an activity to be approved as part of the IPE Passport, it must meet certain criteria and be approved by the IPE Curriculum Committee. P. IPE 500.

IPE 003. Interprofessional Collaborative Practice: What You Need to Know. 0 credits.

Interprofessional Collaborative Practice: What You Need to Know is a 1-hour online primer on the basics of interprofessional education and collaborative practice from a national perspective and also provides an overview of what Creighton University's Center for Interprofessional Practice, Education and Research (CIPER) does to support and innovate interprofessional education and collaborative practice. This course is a prerequisite to IPE 004 Introduction to Collaborative Care which offers 8 CE/CMEs and provides more depth to the topic. The course is intended to introduce concepts for both education and practice related to interprofessionalism. The program is delivered to participants using a distance education platform. The didactic lecture is electronically captured and packaged with written materials (references, case studies, self-evaluation quizzes).

IPE 004. Introduction to Collaborative Care for Educators and Professionals. 0 credits.

IPE 004 is an introductory course designed for health care faculty and professionals to learn key concepts of building and leading a collaborative health care team. The course is offered in a self-paced online format with a competency-based approach. Each lesson builds on previous content. Faculty and professionals will be introduced to: Interprofessional education and collaborative practice terminology; Core Competencies for Interprofessional Collaborative Practice; Foundations of effective health care teamwork; and Leading a collaborative health care team. The course offers eight (8) CMEs through Creighton University's Health Sciences Continuing Education, which has joint accreditation from the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE) and the American Nurses Credentialing Center (ANCC), the first university to receive this accreditation.

IPE 500. Introduction to Collaborative Care. 0-0.5 credits.

This course is an introduction to the concepts of interprofessional collaborative practice preparing students across the health sciences to engage in interprofessional education and practice activities during their tenure at Creighton and beyond. In this course health sciences students will gain knowledge in the Core Competencies for Interprofessional Collaborative Practice, versed in the basics of team work in the context of health care and begin to develop skills in team-based clinical reasoning. IPE 500 is a prerequisites to the IPE 001 IPE Passport. Successful completion of IPE 500 is required to be able to complete the IPE 001 IPE Passport.

IPE 512. Cultural Immersion and Experiential Learning in China. 3 credits.

The focus of this course is to increase participants' cultural awareness and sensitivity with an introduction to cultural competence and facilitate their leadership development for societal and global concerns through interprofessional experiential learning in China. Participants will engage in a series of seminars centered on preparation for successful experiential learning in China prior to a week-long international experience. Through immersion and engagement in various professional activities such as observation, advocacy for evidence-based rehabilitation practice and consultation and/or nursing practice and consultation, participants are expected to enhance cultural awareness and introduction to cultural sensitivity and foster leadership skills for international health concerns. Such an experiential learning immersion will assist participants to provide culturally sensitive care and assume leadership roles at the international level. A professional dissemination of the experiential learning experience is expected at the end of the course.

IPE 515. Interprofessional Palliative Care. 1-2 credits.

The course focus is interprofessional collaborative care to address palliative care needs of patients. Key topics: Palliative care trajectories, ethics, communication, symptom management, spirituality/cultural care, and grief/loss/bereavement. Learning methodology: online readings, discussion boards and virtual simulation. Upon successful completion (3) IPE passport activities are earned. P. IPE 500.

IPE 520. Interprofessional Childhood Motor Play and Development. 1 credit.

This course includes lecture and experiential learning opportunities for graduate Physical Therapy and Occupational Therapy students to work inter-professionally with children in organized community programs. Students will enhance their understanding of working with individuals from other professions and strengthen their knowledge of functional movements of children. P. IPE 500.

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. Whether in education, service, or personal development, the Graduate Student Government seeks to serve the University's Jesuit Mission. 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

The annual room and board rates in University residence halls effective August 2024:

Building Type	Room	Annual Rate
Deglman Hall (Freshmen) ¹	Double Occupancy	\$6,600
Graves Hall (Freshman) ¹	Suite Double Occupancy	\$8,000
Swanson Hall (Freshmen and Sophomores) ¹	Suite Double Occupancy	\$7,400
McGloin Hall (Sophomores) ¹	Suite Double Occupancy	\$7,800
Kenefick Hall (Sophomores) ²	Efficiency Double Occupancy	\$7,700
	One Bedroom Double Occupancy	\$7,900
Heider Hall (Sophomores) ²	Efficiency Double Occupancy	\$7,960
	Small One Bed Double Occupancy	\$7,900
	Suite 4 person Occupancy	\$7,900
	Large One Bed Double Occupancy	\$8,250
	Two Bedroom, Double Occupancy	\$7,950
Davis Square - Nine Month (Freshmen & Sophomores) ²	2/3/4 Bedroom Apartment	\$8,300
Opus Hall - Twelve Month (Juniors and Seniors)	2/3/4 Bedroom Apartment	\$880/month

Board Plans Type	Annual Rate
Standard Meal Plans:	
Dining Hall All Access(19 Meals per week + \$150 Dining Dollars + 5 guest passes per semester)	\$5,840
14 Meals per week + \$600 Dining Dollars + 5 guest passes per semester	\$5,840
10 Meals per week + \$1,000 Dining Dollars + 5 guest passes per semester	\$5,840
Apartment Meal Plan	
Apartment 7 - 7 Meals per week + \$700 Dining Dollars + 5 guest passes	\$4,012
Flex Plans:	

Flex 85- Any 85 Meals + \$420 Dining Dollars per semester	\$2,804
Flex 65-Any 65 Meals + \$350 Dining Dollars per semester	\$2,216

¹ Students living in Deglman, Graves, Kiewit, McGloin and Swanson must have a Standard Meal Plan.

² Students living in Heider, Kenefick, or Davis must have at least an Apartment 7 Meal Plan.

On-Campus Living

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. A small number of sophomores may reside in Davis Square. 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. Residents living in Deglman, Gallagher, Kiewit, Swanson, and McGloin must purchase either the All Access, 15, 12, or 9 meal plan. Sophomore residents of Kenefick Hall, Heider Hall and Davis Square must purchase the All Access, 15, 12, 9 or Flex 100 meal plan option. Exemptions (for example, for religious or medical reasons) to meal plan requirements may be requested electronically to the Director for Housing & Auxiliary Services or their designee, via email at Living@creighton.edu. 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 Brandeis and Harper dining halls located adjacent to the campus residence halls. More information about dining opportunities is available from Sodexo at <https://creighton.sodexomyway.com>.

Center for Health and Counseling

Health and Counseling (<https://www.creighton.edu/student-experience/wellness/health-and-counseling/student-counseling-services/>) services include:

- **Student Health Education and Compliance** office provides health education and wellness resources to students, with the mission of enhancing well-being and academic success. This office also monitors immunization and health insurance compliance in accordance with University policy.
- **Student Counseling Services** provides understanding, acceptance, practical help and treatment for day-to-day challenges and personal growth and development.

- **CHI Health Clinic-Student Care Clinic** provides clinical health care to students. This modern facility is staffed with primary care providers and sub-specialists providing comprehensive care all under one roof.

These services are dedicated to promoting healthy life choices and serving the health and counseling needs of Creighton students.

Student Counseling Services

Student Counseling Services (SCS) provides counseling support to all full-time Creighton students. Counseling services are intended to assist all students in their growth, their adjustments to academic and life challenges, and their development of healthy strategies for living. Our services offer a flexible approach to care and are designed to encourage positive health and wellness practices. Student Counseling Services acknowledges the inherent worth and dignity of every intersecting identity of those we serve.

Student Counseling Services is located in our main office in Omaha in Markoe Hall and at our Phoenix Health Sciences Campus. We also offer services for our student-athletes in The Athletic Counseling and Performance Clinic located in The Ryan Center.

We offer a variety of services to assist with the choices and challenges of University life:

- Individually tailored counseling, guided by brief, strength-based practices
- Group therapy
- Psychiatry
- Workshops
- Consultations
- Assessments and Evaluations
- 24/7 Crisis Counseling Support
- Outreach
- Case Management
- Referral Assistance

Call Student Counseling Services at 402-280-CALM (2256) for an appointment or to access 24/7 crisis support after business hours, during holidays or school breaks. All counseling services are confidential.

Counseling services are free to students. Psychiatry services are billed through insurance with applicable copays. Assessment and evaluation services are also provided for a fee.

Student Health Services

Student Health Services include:

1. The CHI Health Clinic-Student Care Clinic
2. The Student Health Education and Compliance Office

CHI Health Student Care Clinic

Services are available to Creighton University students at the clinic, located at 24th and Cuming Streets, for their medical needs.

Board-certified physicians, nurse practitioners and physician assistants will provide the following services from the CHI Health Clinic-Student Care Clinic:

- Primary Care and Specialty Care Providers
- Onsite X-rays and CT scans
- Additional services: Registered dietitians, diabetes educators, physical and occupational therapists, and pharmacists

It is essential that students bring a current health insurance card, photo ID and a form of payment to each health visit. CHI Health sets its fee schedule for services. Your health insurance plan will determine whether payment is to be collected at the time of visit. If a health insurance plan requires a co-pay, payment must be made before checking in for an appointment.

How to Obtain Student Health Services

Students can schedule an appointment by calling 402.280.2735 and select option 2.

Emergency Services

24/7 full-service community emergency department located at the CHI Health clinic at 24th and Cuming Streets. Severe conditions/injuries are transferred to the Level 1 Trauma Center at CHI Health Creighton University Medical Center-Bergan Mercy.

Student Health Education and Compliance

The Student Health Education and Compliance Office (<https://www.creighton.edu/student-experience/wellness/health-and-counseling/student-health-education-and-compliance/>) provides health education and wellness resources to students, with the mission of enhancing well-being and academic success. You may contact the office at 402.280.2735, located in the Kiewit Fitness Center Office #225.

Services include:

- Management of student, faculty, and staff immunization requirements
- Administration of University-sponsored student health insurance plans and monitoring of insurance requirements
- On-campus health education and programming, Shoo the Flu vaccinations, WellFest, and more
- Care coordination with CHI Health, other healthcare resources, and on campus resources
- Campus Health Aide Program

University Health Insurance Requirements

University Health Insurance Requirement

Comprehensive Health Insurance is required for **ALL Full-time students**^{1,2,3} and must include the following:

- National Coverage for inpatient and outpatient **medical** care. (Emergency only coverage does not satisfy this requirement).
- National Coverage for inpatient and outpatient **mental** health care. (Emergency only coverage does not satisfy this requirement).
- Coverage is currently active and maintained for the entire school year, including over breaks and during the summer.
- Offers an unlimited lifetime maximum.

¹ Full-time student status is defined as 12 credits/semester for undergraduate students and 8 credits/semester for graduate students

² All nursing students are required to have comprehensive insurance regardless of student status

³ All international students are required to maintain domestic insurance coverage regardless of student status

Creighton University Student Health Insurance Plan

- New and returning students are **auto-enrolled** in the University student health insurance plan (<https://www.uhcsr.com/creighton/>).
- If a student already has a comprehensive insurance plan, they must waive the coverage through the student's NEST account. International students (on an F-1 or J-1 visa) are not eligible to waive the health insurance coverage.
- The online waiver process begins in June and continues through the deadline in late August/early September. This information is required on an annual basis.
- The premium for the University-sponsored Student Health Insurance Plan will remain on the student's account unless the waiver process is completed before the deadline.
- When the Student Health Education and Compliance Office becomes aware of a lapse in the student's insurance coverage, the student will be automatically enrolled in the University student health insurance plan and the tuition statement will reflect a charge for the entire premium.

University Immunization Requirement

All Creighton University students are required to comply with the University's immunization requirements. Students receive approval for course registration upon the completion and verification of their immunization records as coordinated by the Student Health Education and Compliance Office. Failure to meet these requirements will result in denial of class registration privileges, as well as a delay in housing assignments. The requirements follow CDC guidelines and are reviewed annually. The Student Health Education and Compliance Office is the official record keeper for Creighton University regarding student immunizations and University immunization requirements. Please consult Student Immunization Requirements (<https://www.creighton.edu/student-experience/wellness/health-and-counseling/student-health-education-and-compliance/immunization-requirements/>) for additional details.

Residential Students: Students must have immunization requirements completed and immunization records verified by Student Health Education and Compliance prior to registering for classes and prior to receiving a housing assignment. Students who are in process of completing immunization requirements (i.e., have started a series for the first time) may be granted class registration and/or housing assignment privileges at the discretion of the Student Health Education and Compliance Office.

Immunization Exemptions: Exemptions to the University immunization requirements are considered for students who have a documented medical contraindication to receiving immunizations. Religious exemptions may also be accepted. Students may obtain an exemption form on the Student Health Immunization website. Completed exemption forms are to be submitted to immunizations@creighton.edu for review.

Students are provided written notification of the acceptance or denial of the exemption request.

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 service members, veterans and their dependents. Creighton's Office of Military and Veterans Affairs provides services and support to our Veterans, Service members, 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 – Veteran Readiness & Employment Program (VR&E)
- Chapter 33 – Post-9/11 GI Bill[®] (including the Yellow Ribbon Program)
- Chapter 35 – Survivors' & Dependents' Educational Assistance (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. 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 2024-2025 academic year, our Yellow Ribbon program provides eligible students with the following:

- Undergraduate students up to \$24,000 additional tuition dollars per academic year (\$12,000 from Creighton with a \$12,000 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 Dentistry up to \$5,000 per academic year (\$5,000 from Creighton with a \$5,000 match from the VA). Maximum of three awards each academic year.
- 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.
- School of Medicine up to \$10,000 per academic year (\$5,000 from Creighton with a \$5,000 match from the VA). Maximum of six awards each academic year.
- School of Pharmacy and Health Professions 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.

GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs (VA).

Principles of Excellence

On April 27, 2012, President Obama signed Executive Order 13607, Establishing Principles of Excellence for Educational Institutions Serving Service Members, Veterans, Spouses, and Other Family Members. The published Executive Order is available here (<https://obamawhitehouse.archives.gov/the-press-office/2012/04/27/executive-order-establishing-principles-excellence-educational-instituti/>). Creighton University is a proud signatory and abides by this Presidential Executive Order which addresses key areas relating to Federal military and veterans educational benefits programs. The University affirms our long-standing promise of supporting our military student population, while exercising transparency and full compliance with the individual principles outlined in the Principles of Excellence which are summarized below.

- Provide students with a personalized form covering the total cost of an education program.
- Inform eligible students of Federal financial aid and have a policy to alert students prior to packaging or arranging private student loans or alternative financing programs.
- Abstain from fraudulent and aggressive recruiting techniques and misrepresentations.
- Ensure accreditation of all new programs prior to enrolling students.
- Accommodate Service Members and Reservists while absent due to service requirements.
- Align institutional refund policies with those under Title IV, which governs the administration of federal student financial aid programs.
- Provide educational plans for all military and veteran education beneficiaries.
- Designate a point of contact to provide academic and financial advice.

The Office of Military and Veterans Affairs may be contacted at (402) 280-4063 or veterans@creighton.edu.

Graduate Programs and Courses

The Graduate School administers graduate level educational programs at the doctoral and masters level, as well as graduate and post-graduate certificate programs. Courses are also available for persons not seeking a certificate or degree, but who desire knowledge for personal or professional enhancement.

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.
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.

Master of Arts (MA)

- Christian Spirituality (p. 68)
- Medical Humanities and Ethics (p. 125)
- Ministry (p. 131)

Master of Science (MS)

- Biomedical Sciences (p. 51)
- Business Analytics (p. 65)
- Educational Leadership (p. 76) - *Magis Catholic Teacher Corps available*
- Educational Specialist Areas (p. 90)
- Health Informatics (p. 104)
- Integrative Health and Wellness (p. 109)
- Integrated Medical Sciences (p. 130)
- Medical Microbiology and Immunology (p. 128)
- Medical Physics (p. 183)
- Medical Sciences (p. 131)
- Neuroscience (p. 166)

Oral Biology (p. 159)
 Organizational Leadership (p. 161)
 Paramedicine (p. 167)
 Pharmaceutical Sciences (p. 170)
 Pharmacology and Neuroscience (p. 174)
 Physics (p. 179)
 School Counseling (p. 91) - *Magis Catholic Teacher Corps available*

Master of Accounting (MAC)

Accounting (p. 47)

Master of Business Administration (MBA)

Business Administration (p. 53)

Master of Education (MEd)

Elementary Teaching (p. 76)
 Secondary Teaching (p. 76) - *Magis Catholic Teacher Corps available*

Master of Finance (MFin)

Finance (p. 99)

Master of Financial Planning and Financial Psychology

Financial Planning and Financial Psychology (p. 119)

Master of Investment Management and Financial Analysis (MIMFA)

Investments and Financial Analysis (p. 119)

Master of Public Health (MPH)

Public Health (p. 187)

Master of Science in Nursing (MSN)

Nursing Administration and Leadership (p. 158)
 Nursing Administration and Leadership - Creighton BSN Pathway (p. 147)
 Nursing Education (p. 159)
 Nursing Education - Creighton BSN Pathway (p. 147)

Dual Degree - Juris Doctor/Master of Science, Government & Organization Leadership (MS-Goal)

Government Organization & Leadership (p. 101)

Doctor of Philosophy (PhD)

Biomedical Sciences (p. 53)
 Medical Microbiology and Immunology (p. 128)
 Pharmaceutical Sciences (p. 173)
 Pharmacology & Neuroscience (p. 176)

Doctor of Nursing Practice (DNP)

Nurse Practitioner (p. 148)

- Adult Gerontology Acute Care (p. 150)
- Family (p. 151)
- Neonatal (p. 151)
- Pediatric Acute/Primary Care (Dual track) (p. 152)
- Psychiatric Mental Health (p. 153)

Nursing Administration and Leadership (p. 148)

Nurse Practitioner - Creighton BSN to Doctor of Nursing Practice Pathway (p. 143)

- Adult Gerontology Acute Care - Creighton BSN Pathway (p. 144)
- Family - Creighton BSN Pathway (p. 145)
- Neonatal - Creighton BSN Pathway (p. 145)
- Pediatric and Acute Care (Dual) - Creighton BSN Pathway (p. 152)
- Psychiatric/Mental Health - Creighton BSN Pathway (p. 147)

Nursing Administration and Leadership - Creighton BSN Pathway (p. 146)

¹ Doctor of Education (EdD)

Interdisciplinary Leadership (p. 115)

¹ Program offered in an online format.

Dual Degree Programs

Juris Doctor

- JD/MS-GOAL (p. 103)
- JD/MBA (p. 60)

Master of Business Administration

- MD/MBA (p. 62)
- PharmD/MBA (p. 62)
- JD/MBA (p. 60)
- MBA/MFin (p. 59)
- MBA/MS-BA (p. 59)
- MBA/MIMFA (p. 61)
- MS-ORGL/MBA (p. 61)

Doctor of Medicine

- MD/MBA (p. 62)

Master of Finance

- MFin/MBA (p. 59)

Master of Investment Management and Financial Analysis

- MBA/MIMFA (p. 61)

PharmD

- PharmD/MBA (p. 62)
- PharmD/MS (Pharm Sciences) (p. 173)

Master of Science, Business Analytics

- MBA/MS-BA (p. 59)

Master of Science, Government Organization and Leadership

- JD/MS-GOAL (p. 103)

Master of Science, Organizational Leadership

- MBA/MS-ORGL (p. 61)

Master of Science, Pharmaceutical Sciences

- PharmD/MS (Pharm Sciences) (p. 173)

The Graduate School offers graduate certificates in the following areas:

- Bioethics (p. 126)
- Business Analytics (p. 67)
- Catholic School Leadership (p. 95)
- Clinical Ethics Consultation (p. 126)
- Early Childhood Education (p. 96)
- English as a Second Language (p. 97)
- Enterprise Risk Management (p. 63)
- Financial Psychology & Behavioral Finance (p. 64)
- Healthcare Educator Teaching and Learning (p. 106)
- Health Informatics (p. 105)
- Healthcare Management (p. 107)
- Health Care Collaboration and Conflict Management (p. 135)
- Ignatian Tradition (p. 76)
- K-12 Educational Leadership through Sports (p. 97)
- Leadership and Wellbeing (p. 164)
- Lifestyle Medicine (p. 113)
- Negotiation and Conflict Resolution (p. 133)
- Organizational Leadership (p. 164)
- Personal Financial Planning (p. 64)
- Project Management (p. 64)
- Spiritual Direction and Directed Retreats (p. 75)
- Sports Leadership (p. 164)
- Teacher Leadership (p. 98)
- Theology for Catechesis (p. 98)

The following Post-Graduate certificates are offered:

- Pediatric Acute Care Nurse Practitioner (p. 157)
- Family Nurse Practitioner (p. 156)
- Neonatal Nurse Practitioner (p. 156)
- Adult-Gerontology Acute Care Nurse Practitioner (p. 156)
- Psychiatric Mental Health Nurse Practitioner (p. 157)
- Nursing Education (p. 156)

Accelerated Master's Programs

- The following programs allow students to complete their Bachelor's degree coursework while also taking courses in a Master's program in order to complete their Bachelor's and Master's Degrees.

Master of Accounting (MAC)

- BSBA-Accounting/MAC (p. 50)

MS, Integrative Health and Wellness (IHW)

- BA, Communication Studies / MS-IHW (p. 112)
- BSBA, Marketing or Management / MS-IHW (p. 112)

MS, Organizational Leadership (ORGL)

- BA, Communication Studies / MS-ORGL (p. 165)
- BS, Leadership / MS-ORGL (p. 166)
- BSBA, Management / MS-ORGL (p. 166)

Master of Business Administration (MBA)

- BS, Leadership / MBA (p. 63)

M.S., Medical Physics (MPHY)

- BS, Biomedical Physics / MS-MPHY (p. 186)

MS, Educational Specialist Areas (EDSA)

- BS, Elementary Education / MS-EDSA (p. 95)

MS, Paramedicine

- BSPMC/MSPMC (p. 170)

Accounting

Program Chair and Director: Dr. Maggie Knight

Program Office: Harper Center

The Master of Accounting (MAC) program is a non-thesis graduate accounting program designed for students seeking a more integrative intensive accounting education than is found in an MBA program with a concentration in accounting. The Creighton MAC designs an individualized program of study to assist students in enhancing their undergraduate education. The program will be designed in a manner that fulfills the education goals of the student, as well as meeting the requirements to sit for the CPA exam in any U.S. state or jurisdiction in which the student seeks CPA certification. In addition to completing the required course work, students will also engage in two required co-curricular activities. All MAC, 500-level Accounting and MBA Accounting courses are only offered on campus.

The MAC program is administered by the Department of Accounting in the Heider College of Business. The College has been accredited by the AACSB International since 1956. The Accounting program has been accredited by the Accounting Accreditation Committee of the AACSB since it began accrediting accounting programs in 1982. The MAC program will be delivered with the same academic quality as the other graduate programs offered by the Heider College of Business.

The Creighton MAC has two tracks – the traditional graduate track for students entering the program after completion of a baccalaureate degree, and the accelerated track for Heider College of Business students who complete all requirements for both the BSBA in accounting and the MAC in a continuous 4-year period. All MAC students have the additional opportunity to pursue a Graduate Business Analytics Certificate in conjunction with their MAC coursework.

Program learning Goals and Student Learning Outcomes

As guided by our mission and identity statements, the program learning goals (PLGs) and student learning outcomes (SLOs) below are written to reflect our beliefs about the attributes of business leaders who exemplify the Jesuit ideals.

Creighton-formed business leaders will:

PLG 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.

SLO 1A: Demonstrate understanding of a) the societal role the accounting profession fulfills in assuring the integrity of financial and other

information and b) the regulatory environment in which the accounting profession operates.

SLO 1B: Demonstrate ability to apply data analytics tools in the contexts of accounting information systems, auditing and assurance services, and business processes and decision making.

SLO 1C: Demonstrate the ability to resolve ethical conflicts by applying relevant professional codes of conduct governing accounting practice.

PLG 2: Professional Accounting Examination Curriculum

Preparation: Students 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 which, upon completion, will satisfy the academic content areas and other requirements, as stipulated by the student's desired jurisdiction or other governing body, to sit for the CPA or other professional examination and be successful in passing that examination.

SLO 2A: Demonstrate that his or her academic program qualifies the student to sit for the CPA or other stipulated professional examination.

PLG 3: Personal Growth and Jesuit Values: 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.

SLO 3A: Apply their technical and professional skills by actively participating with a local, regional, or national professional organization.

SLO 3B: Articulate (describe) the importance of lifelong personal growth and development.

PLG 4: Professional Business Knowledge: Graduates of the MAC Program will possess the ability to apply their professional accounting knowledge in combination with leadership skills, effective communication skills, ethical awareness, and strategic thinking so they can become leaders in the organizations in which they work and in the communities in which they live.

SLO 4A: Have disciplinary knowledge essential for leadership in the accounting profession.

SLO 4B: Employ critical thinking and analysis skills in making decisions.

SLO 4C: Communicate professionally in a variety of media.

Admission

- Eligibility for Admission:** Applicants for admission to the traditional MAC program must have a baccalaureate degree in accounting from an accredited institution or an undergraduate degree in business from an accredited institution and the equivalent of Intermediate Accounting 1 ACC 313 Intermediate Accounting I, ACC 315 Managerial Accounting for Decision Making, Principles of Taxation ACC 343 Federal Tax Accounting I, ACC 323 Auditing and ACC 377 Accounting Information Systems.

For Creighton Students in the Accelerated MAC program, the requirement to have a completed bachelor's degree will be waived in lieu of exhibited success in the undergraduate program. This success will be evidenced by the fact the student has maintained an overall GPA of at least 3.25 and a GPA in upper level accounting courses of at least 3.0. The program director may allow for conditional admission if these grade levels are not met.

- 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.
- 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.
- 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.
- Graduate Management Admissions Test (GMAT):** The Graduate Management Admission Test (GMAT) is not required for applicants who have work experience and a minimum 3.00 cumulative GPA across all institutions attended. If the applicant's cumulative GPA is less than 3.00, the GMAT is required. For applicants without work experience, and for all applicants to the MIMFA and MFIN programs, a minimum 3.50 cumulative GPA is required for the GMAT waiver. All international students whose undergraduate degree was not granted by a US institution will be required to submit a GMAT score. Regardless of the applicant's cumulative GPA, the admissions committee reserves the right to require an applicant to submit a GMAT score if there are concerns regarding the applicant's work experience and/or the student's achievement across all math, statistics, economics and finance courses previously completed.
- Additional Documents for International Students:**
 - Test of English as a Foreign Language:** The Graduate School requires all students who are native speakers of languages other than English to demonstrate competence in English. International applicants who received their baccalaureate degree from an accredited institution from the following countries are not required to show proficiency in English; Australia, Canada, Barbados, Bahamas, Bermuda, British Virgin Islands, Cayman Islands, Dominica, Grenada, Guam, Ireland, Jamaica, Marshall Islands, New Zealand, St. Kitts, St. Lucia, Scotland, Singapore, Trinidad and Tobago, United Kingdom, United States, and Virgin Islands. There are 3 test scores that can be used to demonstrate competence in English. Only one of the three must be provided.
 - TOEFL:** score of 90 or above on the Internet-based Test (TOEFL iBT) with no section below 20.
 - IELTS:** overall band score of at least 6.5 with no section below 6.
 - Duolingo:** score of 110 or above.
 - 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: nasba.org/international (<https://nasba.org/international/>).
- 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.

Degree in Master of Accounting

- Master of Accounting (p. 49)

Accelerated Master's Program

- BSBA-Accounting / MAC (p. 50)

ACC 516 Advanced Cost Accounting: The course covers advanced managerial accounting topics, such as process costing, management control systems, activity-based costing and activity-based management, joint cost allocation, balanced scorecard performance measures. The course 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 and senior standing. May be taken for graduate credit upon completion of department approved graduate level work products.

ACC 521 Advanced Accounting This course involves the study and application of financial reporting concepts to specialized accounting problems and cases. Coverage includes accounting for nonprofit entities, accounting for income taxes, reporting of business combinations, preparation of consolidated financial statements, and accounting changes. P. ACC 319 and senior standing, or approval of department chair. May be taken for graduate credit upon completion of department approved graduate level work product.

ACC 523 Advanced Auditing: This course integrates prior accounting and other educational experiences with advanced application of auditing concepts and standards. P. ACC 323 and senior standing. May be taken for graduate credit upon completion of department approved graduate level work product.

ACC 544 Advanced Taxation: 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. May be taken for graduate credit upon completion of department approved graduate level work product. P. ACC 343.

ACC 577 Advanced Accounting Information Systems and Accounting Analytics This course covers how to use data to formulate and solve business problems from an accounting paradigm. Students will extract value from big data through the application of current analytics tools. This course develops objective accounting decision-making skills to help the accounting professional become a forward-thinking strategic partner in the organization. This course develops the skill set needed to think critically using available data. The course will also expose students to common currently used business intelligence software packages. P. ACC 377, junior standing or approval of department chair. May be taken for graduate credit upon completion of department approved graduate level work product.

ACC 579 Seminar in Accounting: 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 756 Research and Analysis of Ethical Issues in the Accounting Profession: Study of the ethical and societal foundations of the accounting profession, with special emphasis on examples of recent professional and corporate wrongdoing. Study of common ethical issues

that arise in various sectors of the accounting profession. Research and application of the AICPA Code of Professional Conduct and other relevant ethical codes to specific ethical dilemmas. Prerequisite: Admission to the MAC Program or permission of the MAC director.

MAC 761 Current Issues in Accounting: A capstone course that explores the current issues facing the accounting profession in its various sectors - public, private, governmental and nonprofit. Combines student study of issues with case analyses. Presentations by senior representatives of the accounting profession might be an integral part of the course. P. MAC 756.

MAC 766 Graduate Internship: 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: 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: 30 Credits

Code	Title	Credits
Required Accounting Core		
Select four of the following accounting courses:		12
ACC 516	Advanced Cost Accounting ¹	
ACC 521	Advanced Accounting ¹	
ACC 523	Advanced Auditing ¹	
ACC 544	Advanced Taxation ¹	
ACC 577	Advanced Accounting Information Systems and Accounting Analytics ¹	
MAC 756	Research and Analysis of Ethical Issues in the Accounting Profession	3
MAC 761	Current Issues in Accounting (Current Issues in the Accounting Profession)	3
Electives		
12 Credits of Electives selected from the following list (No more than 3 credits should be from Accounting Discipline Electives)		12
Non-Accounting Electives		
BIA 603	Python Programming for Analytics	
BIA 729	Statistics for Business Analytics	
BIA 742	Predictive Analytics	
BIA 746	Applications of Optimization Modeling	
BIA 770	Cybersecurity	
BIA 772	Data Visual Analysis and Visualization	
BIA 776	Ethics in Business Analytics	
BIA 781	Machine Learning	
BIA 782	Database Management Systems	
BIA 794	Business Analytics Readings	
MBA 712	Advanced Managerial Finance	
MBA 715	Investment Value and Theory	

MBA 742	Seminar in Applied Managerial Economics
MBA 759	Seminar in Applied Economics
MBA 761	Marketing Management
MBA 771	Leadership and Organizational Behavior
MBA 775	Business Policy And Managerial Action
MBA 779	Seminar in Management
MBA 795	Independent Study And Research
MIM 722	Fixed Income and Derivatives I
MIM 732	Economics of Investment Management
MIM 734	Equity Analysis
MIM 738	Financial Statement Analysis II
Accounting Discipline Electives	
MAC 766	Graduate Internship
MAC 795	Independent Study & Research
MBA 717	Accounting Seminar: Special Managerial and Financial Accounting Issues
MIM 730	Financial Statement Analysis I
Total Credits	30

¹ A grade of "B" or better is needed in order to count the 500-level courses for graduate credit toward the MAC degree. Each 500-level course taken for graduate credit requires *significant* additional graduate-level work (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 30 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). **Additionally, a plan of study can be created that allows the student to earn a Graduate Analytics Certificate in conjunction with their MAC coursework.**

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.

BSBA-ACC/MAC Accelerated program

BSBA-Accounting / Master of Accounting

The BSBA to Master of Accountancy (MAC) Accelerated program is designed to allow highly motivated students to complete both the undergraduate degree in accounting and the master of accountancy degree in four years. Many students matriculate to Creighton with advanced placement and dual credit courses, ranging in total from 10 - 50 hours of credit. These students have greater flexibility in their course schedules, and accordingly have availability to complete master's-level courses during their fourth year at Creighton. The Accelerated MAC program allows students to meet the mandated educational requirements to sit for the CPA exam while earning a graduate degree. The curriculum in the Accelerated MAC program will mirror the curriculum in Creighton's existing (traditional) MAC program.

Students in the BSBA to MAC Accelerated program will enroll in 30 graduate credit hours, generally during their final two semesters as a BSBA undergraduate within the MAC program. (For illustrative purposes, the table below provides an example of the timing of these courses.) Students also have the opportunity to pursue a Graduate Business Analytics Certificate in conjunction with their fourth year MAC coursework.

Course	Title	Credits
Senior		
Fall		
ACC 516	Advanced Cost Accounting *	3
ACC 544	Advanced Taxation *	3
MAC 756	Research and Analysis of Ethical Issues in the Accounting Profession	3
Six credits of Graduate Electives		6
Term Credits		15
Spring		
ACC 521	Advanced Accounting *	3
ACC 523	Advanced Auditing *	3
MAC 761	Current Issues in Accounting	3
Six credits of Graduate Electives		6
Term Credits		15
Total Credits		30

* ACC 577 Advanced Accounting Information Systems and Accounting Analytics may be taken in place of one of these ACC classes.

Please note that students are responsible for identifying interest in this program sometime in their first or second year at Creighton to allow for proper academic advising and curriculum planning/advising.

Admissions criteria are as follows:

For students in the Accelerated MAC program, the traditional MAC admission requirements are modified as follows:

1. Eligibility for Admission: For Creighton Students in the Accelerated MAC program, the requirement of the traditional MAC program to have a completed bachelor's degree will be waived in lieu of exhibited success in the undergraduate program. This success will be evidenced by the fact the student has maintained an overall GPA of at least 3.25 and a GPA in upper level accounting courses of at least 3.0. The program director may allow for conditional admission if these grade levels are not met. The student should have completed the following prior to the start of the fall semester of their fourth academic year for formal admission to the accelerated program (unless otherwise approved by the program director):
 - All non-accounting major requirements for the BSBA degree;
 - All required courses for the undergraduate accounting major except for the accounting elective course.
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.
 - a. For Creighton Students in the Accelerated MAC program, at least one of the required letters of recommendation must be from a faculty member in the Heider College who taught the applicant in a Heider College business course.
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): For Creighton Students in the Accelerated MAC program, the GMAT will be waived.
6. 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.

Biomedical Sciences

Graduate Study in Biomedical Sciences

Program Director: Garrett Soukup, Ph.D.

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 Bio-organic Chemistry
 Cancer Biology and Aging
 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 and Biochemistry, 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. 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 February 1 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

M.S., Major in Biomedical Sciences (p. 52)

Ph.D., Major in Biomedical Sciences (p. 53)

Courses

BMS 609. Introduction to Omics Data Analysis. 1 credit.

this is an introductory course to familiarize students with the principles of bioinformatic and computational analysis of transcriptomic, genomic and epigenomic data. A few hand-on projects will be designed for the students to practice the basic analyzing skills and to stimulate their interests for more advanced applications. P. BIO 202 or BMS 622.

BMS 622. Biochemistry, Molecular and Cell Biology. 4 credits.

This course covers fundamental principles of structural biochemistry and metabolism, and molecular and cell biology. P. IC.

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 708. Cancer Biology. 2 credits.

This course covers the biology of aging at the molecular, cellular, and organismal level, as well as discussions on age-related diseases. Topics include sections on cellular and molecular pathways of aging, model organism of aging, and the interrelationship between aging and disease, including hearing loss, cardiovascular disease, neurodegeneration, and cancer. P. BMS 622 or DC.

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 722. Mass Spectrometry and Biomedical Applications. 3 credits.

The Mass Spectrometry and Biomedical Applications course is designed to provide the necessary background for understanding the fundamental principles of mass spectrometry and application of this technique to answer questions in molecular and cellular biology. P. BMS 622.

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 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 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. 1-9 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.

M.S., Biomedical Sciences

M.S., 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)

Code	Title	Credits
Foundation Course		
BMS 622	Biochemistry, Molecular and Cell Biology	4

Tool Course

IDC 601	Responsible Conduct of Research	1
---------	---------------------------------	---

Elective Courses 6-8

Choose 2 courses (6 credits minimum), from the following:

BMS 630	Fundamentals of Hearing	
BMS 720	Advanced Topics in Molecular Structure/Function	
BMS 730	Advanced Topics in Cell and Molecular Biology	
BMS 740	Advanced Topics in Physiology	
BMS 750	Advanced Topics in Morphology and Anatomy	
BMS 760	Advance Topics in Neuroscience	
BMS 795	Directed Independent Study	
IDC 625	Introduction to Biostatistics for the Biomedical Sciences	
IDC 627	Research Methods	
IDC 701	Research Writing	

Repeating Courses

BMS 791	Seminar (every semester)	4
BMS 792	Journal Club (every semester)	4
BMS 797	Directed Independent Research	3-6

Degree Completion Course

BMS 799	Master's Thesis ¹	1-3
---------	------------------------------	-----

Total Credits 23-30

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.

Ph.D., Biomedical Sciences

Ph.D., Biomedical Sciences degree requirements: 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.

degree requirements:

Code	Title	Credits
Foundation Course		
BMS 622	Biochemistry, Molecular and Cell Biology	4
Tool Courses		
IDC 601	Responsible Conduct of Research	1
IDC 625	Introduction to Biostatistics for the Biomedical Sciences	3
IDC 627	Research Methods	3
IDC 701	Research Writing	3
Elective Courses 18		
BMS 630	Fundamentals of Hearing	
BMS 720	Advanced Topics in Molecular Structure/Function	
BMS 730	Advanced Topics in Cell and Molecular Biology	
BMS 740	Advanced Topics in Physiology	

BMS 750	Advanced Topics in Morphology and Anatomy	
---------	---	--

BMS 760	Advance Topics in Neuroscience	
---------	--------------------------------	--

BMS 795	Directed Independent Study	
---------	----------------------------	--

Repeating Courses

BMS 791	Seminar (every semester)	8
---------	--------------------------	---

BMS 792	Journal Club (every semester)	8
---------	-------------------------------	---

BMS 797	Directed Independent Research (maximum of 45 credits can be applied to degree)	36
---------	--	----

Degree Completion Course

BMS 899	Doctoral Dissertation ¹	6
---------	------------------------------------	---

Total Credits 90

¹ *Advancement to Candidacy*

Ph.D. students are required to pass a qualifying examination 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 Business Administration (MBA)

Program Director: Dr. Lance Frazier

Program Office: Harper Center

Graduate Study in Business Administration

The Creighton MBA program is designed to provide a general management education that focuses on developing values-based leaders. Creighton's MBA curriculum allows graduate students to customize their classes to best fit their skills, competencies, and career goals. The MBA 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;
- Professional classes in cutting-edge business skills taught by leading business practitioners.

Program learning Goals and student learning outcomes

As guided by our mission and identity statements, the programs learning goals (PLGs) and student learning outcomes (SLOs) below are written to reflect our beliefs about the attributes of business leaders who exemplify the Jesuit ideals.

Creighton-formed business leaders will:

PLG 1: Exhibit knowledge essential for business leadership.

SLO 1A: Apply advanced business concepts to make intelligent decisions in a business situation.

SLO 1B: Reflect on and articulate the relationships among personal values, professional obligations, and social responsibilities.

SLO 1C: Articulate a personal leadership philosophy based on personal values and individual strengths.

SLO 1D: Demonstrate effective leadership skills in a team environment.

PLG 2: Think critically to aid decision-making.

SLO 2A: Analyze the strategic elements of a comprehensive, multidisciplinary business situation and propose a course of action.

SLO 2B: Utilize software to analyze quantitative data and interpret the results.

PLG 3: Communicate professionally.

SLO 3A: Write a professional quality document for a business audience.

SLO 3B: Demonstrate verbal fluency in a business context.

PLG 4: Commit to action that demonstrates care for others.

SLO 4A: Analyze a business ethics situation and propose a course of action.

SLO 4B: Demonstrate knowledge of strategies to effectively lead others regardless of race, ethnicity, culture, gender, religion, and sexual orientation.

Admission

- Eligibility for Admission:** Applicants for admission to the MBA 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:
- 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 MBA program are most appealing, current resume, and a non-refundable application fee.
- 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.
- 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.
- Graduate Management Admissions Test (GMAT):** The Graduate Management Admission Test (GMAT) is not required for applicants who have work experience and a minimum 3.00 cumulative GPA across all institutions attended. If the applicant's cumulative GPA is less than 3.00, the GMAT is required. For applicants without work experience, and for all applicants to the MIMFA and MFIN programs, a minimum 3.50 cumulative GPA is required for the GMAT waiver. All international students whose undergraduate degree was not granted by a US institution will be required to submit a GMAT score. Regardless of the applicant's cumulative GPA, the admissions committee reserves the right to require an applicant to submit a

GMAT score if there are concerns regarding the applicant's work experience and/or the student's achievement across all math, statistics, economics and finance courses previously completed.

- Test of English as a Foreign Language:** The Graduate School requires all students who are native speakers of languages other than English to demonstrate competence in English. International applicants who received their baccalaureate degree from an accredited institution from the following countries are not required to show proficiency in English; Australia, Canada, Barbados, Bahamas, Bermuda, British Virgin Islands, Cayman Islands, Dominica, Grenada, Guam, Ireland, Jamaica, Marshall Islands, New Zealand, St. Kitts, St. Lucia, Scotland, Singapore, Trinidad and Tobago, United Kingdom, United States, and Virgin Islands. There are 3 test scores that can be used to demonstrate competence in English. Only one of the three must be provided. 1) **TOEFL:** score of 90 or above on the Internet-based Test (TOEFL iBT) with no section below 20. 2) **IELTS:** overall band score of at least 6.5 with no section below 6. 3) **Duolingo:** score of 110 or above.
- 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.
- 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.

Acceptance to the MBA 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.

MBA Faculty

Professor

Economics & Finance: Kristie Briggs, Lee M. Dunham, Ernest P. Goss, Randy D. Jorgensen, Kenneth M. Washer, John R. Wingender

Marketing & Management: Stacey M. Menzel Baker, Andrew B. Gustafson, Beverly J. Kracher, Alexei Marcoux, Sarah Singletary Walker

Associate Professor

Accounting & BIA: William M. Duckworth

Economics & Finance: Charles B. Braymen

Marketing & Management: Todd C. Darnold, M. Lance Frazier, Peter Jack Gallo, Eric J. Neuman, Regina M. Taylor, James Zboja

Assistant Professor

Accounting & BIA: Sijing Wei

Associate Professor of Practice

Economics & Finance: Edward J. Horwitz, Bradley T. Klontz, P. Ted Klontz

Marketing & Management: Timothy P. McMahon

Assistant Professor of Practice

Accounting & BIA: Don Lux

Economics & Finance: Keith Olson

Instructor

Accounting & BIA: C. Anton Ames, Janessa Stormberg

Economics & Finance: James W. Wingender

Marketing & Management: Taylor Keen

Resident Assistant Professor

Marketing & Management: Jonathan Drake

Visiting Assistant Professor

Marketing & Management: Eric M. Peterson

Degree Programs

- Master of Business Administration (MBA) (p. 57)
- MBA: Emphasis in Financial Psychology and Behavioral Finance (p. 57)
- MBA: Executive Healthcare (p. 58)

Dual Degrees

- MBA/MS-BA Dual Degree (p. 59)
- MBA/MIMFA Dual Degree (p. 61)
- MBA/JD Dual Degree (p. 60)
- MBA/MD Dual Degree (p. 62)
- MBA/PharmD Dual Degree (p. 62)
- MBA/MS-ORGL Dual Degree (p. 61)

Accelerated Master's Program

- B.S., Leadership/MBA (p. 63)

Graduate Certificates

- Financial Psychology & Behavioral Finance (p. 64)
- Enterprise Risk Management (p. 63)
- Personal Financial Planning (p. 64)
- Project Management (p. 64)

Courses

MBA 620. High Impact Leadership. 1 credit.

Seven out of the ten most dominant leadership characteristics directly relate to one's communication and leadership presence. This course focuses on the essence of professionalism through combining these traits in a practical, hands-on format. You'll gain the skills of today's most influential leaders, and most of all, learn to differentiate yourself.

MBA 621. Leadership Presentation Skills. 1 credit.

Students learn to be articulate and confident through this hands-on presentation skills course. This training will ensure that students can deliver clear, complete and organized presentations to any group. Students learn effective physical delivery skills along with road maps for real world situations. P. MBA 620.

MBA 622. Convincing Conversations. 1 credit.

Think you're not a sales person - think again! In today's competitive environment we all convince, influence, compel and persuade on a daily basis. While these conversations may not be seen as true selling situations, it's important to get what you want from the other party in the dialogue, ask open-ended questions, actively listen, identify and deliver your value proposition, make a recommendation and close with confidence. P. MBA 620; MBA 621.

MBA 623. Business Writing-Leveraging Written Communication. 1 credit.

The ability to write well is a critical success factor. This business writing course is designed to help learners organize their thoughts, write a draft, check for readability and edit based on tone, style and overall impact.

MBA 703. Accounting for Managers. 3 credits.

This course teaches students both financial and managerial accounting with an emphasis on managerial understanding. The primary focus of this course is understanding the fundamentals of financial and managerial accounting that will help students make good decisions as managers. Topics covered will enhance understanding of the fundamentals of the financial reporting model, cost accounting, and accounting's role in managerial decision making.

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 703 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.

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 720. Introduction to Enterprise Risk Management. 3 credits.

This course provides a foundational learning of Enterprise Risk Management (ERM) and its components. For every crisis there are companies that successfully prepared for it and remain anonymous. Learning how to encourage a positive outcome, recognizing when to challenge a strategic plan while allowing good business decisions to go forward makes ERM part art and part science. The best chief risk officers help an entity to improve its decision making capabilities.

MBA 721. Credit and Market Risk Fundamentals. 3 credits.

This course provides a foundational understanding of credit and market risk by presenting typical asset classes and methods used to manage the balance between risk and return. A risk team needs a high level understanding of various risk silos, and investment risk techniques generally apply to all risks. Learning about asset classes and the risk metrics common to investors, enables recognition of strategic issues and how they are addressed. P. MBA 720.

MBA 722. Enterprise Risk Management-Leadership and Governance. 3 credits.

This course explores the systematic process for helping organizations to facilitate and implement an ERM governance model. ERM course knowledge and skills will be used to identify organizational metrics, reporting tools, and governance systems considering an entity's risk appetite, tolerance, and profile. Facilitation of organizational change management and communication will also be covered. A comprehensive ERM governance cycle model, management and implementation plan for the student's organization will be developed as a final project for this course. P. MBA 720 and MBA 721.

MBA 723. Case Studies in Enterprise Risk Management and Governance. 3 credits.

This course explores case studies which brings together the perspective and content from other core courses in a capstone-like format. Critical thinking and enterprise perspectives are used to view risk analysis and management techniques through case study applications. The focus of the course will be on the analysis of case studies of organizations preparing, implementing, reporting, and governing through ERM frameworks. Best practices, critical thinking, analysis, and decision-making applications will be explored. A final case paper will be required of students, which includes the preparation of an ERM framework and governance model for an assigned organization. P. MBA 720, 721, 722.

MBA 724. Crisis Planning and Enterprise Communication Management. 3 credits.

This course provides students the necessary understanding of crisis communication from an internal and external perspective. Students will gain a comprehensive overview of crisis communication and planning for natural and manmade disasters, and how to handle communication issues in crisis situations. In today's environment, crises can come from many sources, and the need for internal and external communication and coordination across all media is highly complex. The experience offered within this course will provide leaders an education for use within any organization, including the development of an Enterprise Communication Plan (ECM).

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 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. If you have taken ECO 418, you cannot take this course. 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 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 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 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.

MBA 777. Practical Ethics For Business Leaders. 3 credits.

The purpose of this class is to prepare students for effective leadership. Building on concepts and theories for MBA 771 and other coursework, this course provides an opportunity to further develop and understanding of effective leadership and their leadership skills. Based on 360-degree feedback, students will identify strengths and specific growth opportunities and develop an action plan to enhance and improve in the identified leadership areas. These areas include communication, conflict management, among others.

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 784. Change Leadership. 3 credits.

This course explores change leadership from three trajectories: key models for leading change in organizations found in literature, practical examples of leading change from business executives, and students' own change experiences. Additionally, students will engage a model for understanding one's own leadership style. Students will integrate course content, presenting a personal model for leading change in their own contexts.

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 (MBA) Program

The Master of Business Administration (MBA) program consists of 33 credit hours. All students must complete four (12 credit hours) Core courses: MBA 771 Leadership and Organizational Behavior, MBA 775 Business Policy And Managerial Action, and MBA 776 Business, Ethics and Society, BIA 762 Survey of Business Intelligence and Analytics. The remaining seven courses (21 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 703 Accounting for Managers, MBA 711 Managerial Finance, MBA 741 Economic Analysis for Managers, MBA 761 Marketing Management.

Students who hold an undergraduate degree in business will take advanced courses in three of the four Functional Core areas or may take all four areas depending on interests and goals. The four functional areas are accounting, 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.

Master of Business Administration (33 credits)

Code	Title	Credits
Core Courses		
Four core courses are required of all MBA students - 12 credits.		
MBA 771	Leadership and Organizational Behavior	3
MBA 775	Business Policy And Managerial Action	3
MBA 776	Business, Ethics and Society	3
BIA 762	Survey of Business Intelligence and Analytics	3
Functional Core		
Functional core courses may or may not be required based on students' academic backgrounds and business experience.		
MBA 703	Accounting for Managers	3
MBA 711	Managerial Finance	3
MBA 741	Economic Analysis for Managers	3
MBA 761	Marketing Management	3
Concentrations		
Concentrations are available and cover advanced topics in that area. To obtain a concentration a student must take three courses (9 credits) above the core and functional core courses. 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.		
Accounting		
Business Intelligence and Analytics		
Finance		
Financial Psychology and Behavior Finance		
Leadership		
Personal Financial Planning		
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
- 500-level courses taken for graduate credit (ACC 516 Advanced Cost Accounting, 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, and NCR) for students in the dual JD/MBA, MD/MBA, and PharmD/MBA.
- Other graduate level courses (for example, in Math or Psychology).

MBA: Financial Psychology & Behavioral Finance

The fields of Financial Psychology and Behavioral Finance are growing rapidly and the MBA emphasis in Financial Psychology & Behavioral

Finance program will equip students to understand how psychological factors impact financial behaviors. The MBA emphasis in Financial Psychology & Behavioral Finance program requires a total of 33 credit hours. Even though this program is online only, the MBA core and MBA functional core can be taken online or on-campus to provide more flexibility for the student.

Students will learn:

- How to improve client acquisition, retention, communication and relationships
- How to effectively identify and intervene on financial beliefs and behaviors that are likely to adversely impact a client's financial health
- How to assist clients with developing a healthy relationship with money
- How to help clients overcome resistance to change and take positive actions
- How to aid clients in decreasing financial stress and increasing their income and net work

MBA: Emphasis in Financial Psychology & Behavioral Finance course requirements (33 credits):

Code	Title	Credits
MBA Core		
MBA 771	Leadership and Organizational Behavior	3
MBA 775	Business Policy And Managerial Action	3
MBA 776	Business, Ethics and Society	3
BIA 762	Survey of Business Intelligence and Analytics	3
Financial Psychology & Behavioral Finance Core		
MFP 753	Applied Behavior Finance	3
MFP 754	Introduction to Financial Psychology	3
MFP 755	Personal Financial Psychology	3
MBA Functional Core		
MBA 761	Marketing Management	3
or MBA 767	Marketing Dynamics Seminar	
MBA 711, ACC 700 level, ECO 700 level, or FIN 700 level		3
Financial Psychology & Behavioral Finance Electives (Choose two)		6
FIN 511	Retirement Planning and Employee Benefits	
MBA 715	Investment Value and Theory	
MBA 739	Tax Theory and Business Decisions	
MFP 752	Personal Insurance Risk Management	
MFP 756	Psychology of Family Finances	
MFP 757	Financial Communication and Client Interviewing	
Total Credits		33

MBA: Executive Healthcare Master of Business Administration, Executive Healthcare (42 Credits)

Specifically tailored to busy, working physicians, clinicians, hospital administrators and healthcare executives, the Executive Healthcare MBA (EMBA) program from Creighton University's Heider College of Business offers a flexible, credible and relevant graduate degree to build your leadership skills and help advance your career.

In this program, you'll join a rich, multidisciplinary cohort in a learning environment that combines online and residency-based experiences and coursework. The program is a hybrid of both on-campus and online instruction to allow maximum flexibility for professional schedules.

Program learning goals and student learning outcomes

As guided by our mission and identity statements, the program learning goals (PLGs) and student learning outcomes (SLOs) below are written to reflect our beliefs about the attributes of business leaders who exemplify the Jesuit ideals.

Creighton-formed business leaders will:

PLG 1: Exhibit disciplinary knowledge and behavior essential for business leadership.

SLO 1A: Apply advanced business concepts to make intelligent decisions in a business situation.

SLO 1B: Reflect on and articulate the relationships among personal values, professional obligations, and social responsibilities.

SLO 1C: Articulate a personal leadership philosophy based on personal values and individual strengths.

SLO 1D: Demonstrate effective leadership skills in a team environment.

PLG 2: Think critically to aid decision-making.

SLO 2A: Analyze the strategic elements of a comprehensive, multidisciplinary business situation and propose a course of action.

SLO 2B: Utilize software to analyze quantitative data and interpret the results.

PLG 3: Communicate professionally.

SLO 3A: Write a professional quality document for a business audience.

SLO 3B: Demonstrate verbal fluency in a business context.

PLG 4: Commit to action that demonstrates care for others.

SLO 4A: Analyze a business ethics situation and propose a course of action.

SLO 4B: Demonstrate knowledge of strategies to effectively lead others regardless of race, ethnicity, culture, gender, religion, and sexual orientation.

ADMISSION REQUIREMENTS

To be considered for admission to the Executive Healthcare MBA program, applicants must:

- Complete an application
- Possess a bachelor's degree with 3.0 GPA or higher
- Official transcripts from institutions where a degree was earned (bachelor's or higher)
- Have at least three years of management experience or clinical practice in a healthcare organization
- Include a resume or curriculum vitae
- Submit a personal statement (see application for specific requirements)

- Submit two letters of recommendation from persons other than friends or family members

A personal interview may be requested in addition to the above requirements. The interview may be conducted in-person or virtually.

Due to residency requirements, international students may face difficulties in this program, but are welcome to apply. Please work directly with your enrollment specialist to discuss your situation and how Creighton can support you.

International applicants must:

- Meet English language proficiency requirements:
 - TOEFL Score of 90 or above (no section below 20); IELTS Score of 6.5 Overall (no section below 6.0); or Duolingo Score of 110 or above.
- Complete and submit a Certification of Available Finances From through the Global Engagement Office (<https://www.creighton.edu/geo/>) if admitted

MBA: Executive Healthcare Degree requirements (42 credits):

Code	Title	Credits
Required courses:		
EMBA 755	Introduction to Healthcare Management	3
EMBA 756	Health Economics and Population Health Management	1.5
EMBA 757	Current Trends in Healthcare Management	1.5
EMBA 761	Healthcare Marketing	3
EMBA 762	Healthcare Strategy	3
EMBA 764	Healthcare Quality, Safety, and Operations	3
EMBA 766	Healthcare Information Systems	1.5
EMBA 767	Informatics in Healthcare Management	1.5
EMBA 771	Leading Healthcare Organizations	3
EMBA 774	Healthcare Human Resource Management	3
EMBA 775	Health Policy and Economics	3
EMBA 781	Legal and Ethical Considerations in Healthcare Management	3
EMBA 782	Healthcare Finance	3
EMBA 791	Healthcare Accounting	3
EMBA 797	Evidence Based Decision Making in Healthcare Management	3
EMBA 799	Capstone	3
Total Credits		42

MBA/MS-BA Dual Degree Program

The Master of Business Administration/Master of Science in Business Analytics (M.B.A./M.S.,BA) 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.,BA 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

Proficiency in computer programming. Requirement can be fulfilled by taking a course as part of the program or by demonstrating programming experience through a prior course or on-the-job programming experience.

Students entering the dual M.B.A./M.S.,BA program will also need to show evidence that they have completed at least one statistics course in their undergraduate degree. Students that do not meet this requirement can take an introductory statistics course as part of the program.

MBA/Master of Science, Business Analytics Dual Degree Requirements (48 Credits):

Code	Title	Credits
Online/On-Campus MBA Core		
All MBA students will complete three courses that address business processes and skills fundamental to Creighton's Jesuit and values-based mission.		
Creighton's MBA 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 MBA students complete the following courses:		
MBA 771	Leadership and Organizational Behavior	3
MBA 775	Business Policy And Managerial Action	3
BIA 762	Survey of Business Intelligence and Analytics	3
Online/On-Campus MBA 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 703	Accounting for Managers	3
MBA 711	Managerial Finance (or MIM Elective)	3
MBA 741	Economic Analysis for Managers	3
MBA 761	Marketing Management	3
Online BIA Core		
BIA 746	Applications of Optimization Modeling	3
BIA 772	Data Visual Analysis and Visualization	3
BIA 776	Ethics in Business Analytics	3
BIA 781	Machine Learning	3
BIA 782	Database Management Systems	3
BIA Electives must all be 700 level BIA courses.		12
Total Credits		48

MBA/MFin Dual Degree

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.

MBA/Master of Finance Dual Degree Requirements(48 Credits):

Code	Title	Credits
MFin Core (18 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
MIM 740	Portfolio Management	3
MBA 711	Managerial Finance	3
or MBA 712	Advanced Managerial Finance	
MBA Core		
MBA 771	Leadership and Organizational Behavior	3
MBA 775	Business Policy And Managerial Action	3
BIA 762	Survey of Business Intelligence and Analytics	3
MBA Functional Core		
MBA 703	Accounting for Managers	3
MBA 761	Marketing Management	3
or MBA 767	Marketing Dynamics Seminar	
Elective Group #1		3
Students must choose from one of the following:		
MIM 732	Economics of Investment Management	
MBA 741	Economic Analysis for Managers	
MBA 742	Seminar in Applied Managerial Economics	
Elective Group #2		3
Students must choose from one of the following:		
MIM 720	Ethical and Professional Standards	
MBA 776	Business, Ethics and Society	
Elective Group #3		3
Students must choose one elective from MBA finance or MIM offerings (subject to MFIN Director approval)		
Electives		6
Students must select one course from two of the following functional areas: accounting, economics, BIA or marketing.		
Total Credits		48

MBA/JD Dual Degree

The Master of Business Administration (MBA) degree offered through the Heider College of Business paired with the Juris Doctor (JD) 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 MBA class. This ensures that law students understand the academic rules pertaining to the JD degree.

Master of Business Administration/Juris Doctor Dual Degree Requirements (105 Credits):

Code	Title	Credits
MBA Core		
All MBA students will complete four courses that address business processes and skills fundamental to Creighton's Jesuit and values-based mission.		
Creighton's MBA 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
BIA 762	Survey of Business Intelligence and Analytics	3
MBA 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 MBA 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 703	Accounting for Managers	3
MBA 711	Managerial Finance (or MIM Elective)	3
MBA 741	Economic Analysis for Managers	3
MBA 761	Marketing Management	3
Electives - Concentration		
Complete the balance of the 33 credits for the MBA degree from concentration courses available in all the functional business areas, plus 6 credits of approved JD work.		9
JD First-year Required Courses		32
JD Second-year Required Courses		22
JD Electives		18
35 electives (including the professional skills requirement) are normally required for the JD 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.

MBA/Master of Investment Management and Financial Analysis Dual Degree

The 48 credit hour dual MBA/MIMFA 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 MBA degree.

Foundation

All students entering the dual MBA/MIMFA program will need to show evidence they have completed at least one statistics course that includes regression and correlation or satisfy the statistics requirement by taking MIM 724.

MBA/Master of Investment Management and Financial Analysis Dual Degree Requirements (48 Credits):

Code	Title	Credits
MBA Core		
All MBA/MIMFA students will complete four MBA 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
BIA 762	Survey of Business Intelligence and Analytics	3
MBA 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 three of the four functional areas.		
MBA 703	Accounting for Managers	3
MBA 711	Managerial Finance (or MIM Elective)	3
MBA 761	Marketing Management	3
MIMFA Core		
MIM 720	Ethical and Professional Standards	3
MIM 722	Fixed Income and Derivatives I	3
MIM 724	Quantitative Analysis	3
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	Financial Statement Analysis II	3
MIM 740	Portfolio Management	3
Total Credits		48

Master of Science, Organizational Leadership/MBA Dual Degree

M.S., Organizational Leadership/MBA Dual Degree (48 Credits):

Course requirements

Code	Title	Credits
MBA CORE		
MBA 771	Leadership and Organizational Behavior	3
MBA 775	Business Policy And Managerial Action	3
MBA 776	Business, Ethics and Society	3
BIA 762	Survey of Business Intelligence and Analytics	3
MBA Functional Core		12
Students who have completed all of the Foundation requirements will need to take one advanced course in three of the four functional areas (ACC, ECO, FIN, MKT). The remaining six hours may be other MBA, BIA or MIM electives of the student's choice within the MBA program. A grade of B or better is required in any 500-level course taken for graduate credit & a maximum of six hours of 500-level courses taken for graduate credit may apply toward the MBA degree.		
MBA 703	Accounting for Managers	
MBA 711	Managerial Finance	
MBA 741	Economic Analysis for Managers	
MBA 761	Marketing Management	
MS-ORGL Core		
MSL 600	Leadership Theory, Application and Reflection	2
GRD 601	Writing for Graduate Students	1
MSL 601	Strategic Planning	3
MSL 602	Communicating and Leading Across Cultures	3
MSL 603	Leading Innovation and Change	3
MSL 790	Leadership Capstone	3
MSL 632	Contemporary Issues in Leadership	3
Organizational Leadership Electives		6
MSL 604	Approaches to Human Capital	
MSL 620	Leadership and Group Dynamics	
MSL 621	Cultural Dynamics of Leadership	
MSL 622	Humility and Leadership	
MSL 623	Developing Tomorrow's Leaders	
MSL 624	Leadership and Well-Being	
MSL 625	Interpersonal Power and Politics	
MSL 626	Failing and Failure in Leadership	
MSL 627	Leading Champions: Lessons by and from Extraordinary Athletes and Coaches	
MSL 700	Foundations of Sports Leadership	
MSL 701	Coaching and Leading Through an Ignatian Lens	
MSL 702	Ethics, Sport, and Leadership	
Total Credits		48

Admissions Requirements

Applicants must meet the admissions criteria for both the MBA and MSOL programs, including all necessary admissions testing.

MD/MBA Dual Degree Program

MD/MBA

Students have the opportunity to obtain a Doctor of Medicine (MD) and a Master of Business Administration (MBA) through a coordinated dual degree program offered by the School of Medicine and the Heider College of Business. This dual degree program pairs the traditional medical curriculum with a MBA degree. The MBA degree is largely completed during a sabbatical year from medical school. Students in the program complete the MBA 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 MDs in large and small practices perform business-related functions more effectively and with a deeper level of understanding.

For additional information please review the Dual-Degree Programs Policy within the MD Student Handbook (<https://medschool.creighton.edu/about/medical-education/md-student-handbook/>).

PharmD/MBA Dual Degree Program

Students have the opportunity to obtain a Doctor of Pharmacy (PharmD) and Master of Business Administration (MBA) degree through a dual program offered by the School of Pharmacy and Health Professions and the Heider College of Business. This combined degree program pairs a rigorous academic curriculum with practical experience in business and pharmacy and can provide students with increased career opportunities in retail and healthcare facilities. The dual program allows both residential (on-campus) and distance PharmD students to complete an MBA degree during the time it takes to complete the PharmD program without imposing any stringent credit hour burdens on Pharmacy students. Students must apply to and be admitted separately by both the School of Pharmacy and Health Professions and the Heider College of Business' MBA program. For individuals admitted to the School of Pharmacy for the fall 2014 term and after, an applicant's PCAT score, their admission to the PharmD program *and* their cumulative PHA GPA, which must at least a 3.3, will be evidence of eligibility for admission to the MBA program, and they will not be required to take the GMAT exam. However, PHA students whose cumulative PHA GPA is below a 3.3 will be required to submit an acceptable GMAT score in order to be considered for admission to the MBA program. MBA admission decisions are based on the following factors: academic background, GPA (both undergraduate and PHA), work experience, and letters of recommendation. Interviews are not required as part of the MBA admission process. Applicants who wish to visit the campus are welcome to call to schedule an appointment.

Program Features

- A maximum of 6 hours of specified PHA coursework can be applied toward the 33 total hours required for the MBA degree.
- Campus-based MBA courses are only held in the evenings (Monday-Thursday) from 6:00-9:30pm and occasionally on Friday afternoon/evening and Saturday. A limited number of MBA classes are available online each fall, spring, and summer term. No online MBA classes are offered in the winter term.
- Students starting the PharmD program in August 2014 or after who have either obtained a bachelor's degree or are P1 students, have completed a minimum of 90 credit hours *and* have a minimum 3.3 PHA GPA are eligible to apply to the MBA program *after* their first semester of Pharmacy School. The GMAT exam will not be required

for these students provided they meet all of the criteria. *NOTE:* Under no circumstances will PHA students be allowed to enroll in any 700-level graduate business classes unless they have met the minimum credit hour, PHA GPA requirement and satisfactorily completed at least one semester of PHA courses.

- The combined degree may be completed in four years of full-time study. However, PHA students are not permitted to take any MBA classes during their first semester of enrollment in Pharmacy School due to the rigorous PHA schedule. PHA students may, with written permission of the School of Pharmacy, be allowed to enroll in MBA classes the second semester of their first year of Pharmacy School.

Requirements

PharmD: Students will complete all requirements for the Doctor of Pharmacy (PharmD) degree. See those requirements here (<http://catalog.creighton.edu/pharmacy-health-professions/pharmacy-program/>).

Master of Business Administration

Code	Title	Credits
------	-------	---------

M.B.A. Requirements (33 credits beyond the Foundation)

The M.B.A. program is a customized program designed to offer either a general management education to students new to the study of business of an advanced and more specialized business education to students with a business degree and/or significant business experience. This customized program offers students the opportunity to develop a curriculum best suited to their backgrounds, skills, and career goals.

Foundation

Statistics is required for the M.B.A. degree. Students who have not taken an undergraduate statistics course will be required to either take an undergraduate statistics course or achieve a satisfactory score on a statistics competency exam administered for a fee through the Heider College of Business. Students who need to take statistics are expected to fulfill their outstanding deficiency at the beginning of their studies in order to advance to certain 700-level courses. Even though pharmacy students take a PHA statistics course (PHA 350) as part of the PharmD degree, they are not scheduled to take this course until their third year. Therefore, pharmacy students should plan on completing the online statistics tutorial within their first year in order to avoid any delays in completing the MBA degree.

Core (12 credits)

All M.B.A. students will complete the four core courses listed below 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.

MBA 771	Leadership and Organizational Behavior	3
MBA 775	Business Policy And Managerial Action	3
MBA 776	Business, Ethics and Society	3
BIA 762	Survey of Business Intelligence and Analytics	3

Functional Core (9-12 credits)

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 703	Accounting for Managers	3
MBA 711	Managerial Finance (or MIM Elective)	3
MBA 741	Economic Analysis for Managers	3
MBA 761	Marketing Management	3

Tier 2 Courses (9-24 credits)

All M.B.A. students will complete the balance of their 33 credits for the M.B.A. degree by taking advanced courses in the functional areas. These business courses cover advanced topics in all areas of business including accounting, finance, economics, business intelligence and analytics, marketing, and management.

To ensure appropriate breadth and depth: 1) Students must take one course in each of three of five functional areas; 2) Students may take a maximum of three courses beyond MBA 771 in the management/ leadership area; and 3) Students may take a maximum of four courses in any given functional area. A complete listing of courses included in each functional area is available from the M.B.A. Program Advisor.

Pharmacy students may transfer in a maximum of six hours of the PHA courses listed below toward the 33 total credit hours required for the M.B.A. degree, provided a grade of "B" or better is earned in each course.

PHA 442	Pharmacy Practice Management	
PHA 452	Pharmacoeconomics	
PHA 521	Community Management Advanced Pharmacy Practice Experience	
PHA 533	Organization Management Advanced Pharmacy Practice Experience	
PHA 541	Hospital Management Advanced Pharmacy Practice Experience	

Total Credits **33**

See the School of Pharmacy and Health Professions or Heider College of Business Graduate Programs office for complete details and requirements.

B.S.-ILS/MBA Accelerated Program

Accelerated Master's Program (AMP) B.S., Leadership/Master of Business Administration (MBA)

The accelerated MBA degree for students in the B.S. (ILS) program will allow students to begin earning credit toward the MBA degree during their final semesters in the B.S. program.

Degree Requirements

1. B.S., Leadership requirements (<http://catalog.creighton.edu/undergraduate/professional-and-continuing-education/bachelor-degrees/bs-leadership/>)

2. Plan of Study below during the final semesters of the B.S. degree
3. MBA requirements (p. 57)

Code	Title	Credits
Courses to be taken during the final two to four semesters in the undergraduate program.		
MBA 703	Accounting for Managers	3
MBA 771	Leadership and Organizational Behavior	3
MBA 776	Business, Ethics and Society	3
MSL elective		3

Enterprise Risk Management Graduate Certificate

Graduate Certificate in Enterprise Risk Management: 15 Credits

Program Goals

Create a professional learning environment where upon completion, students will be able to:

1. Articulate how Enterprise Risk Management (ERM) enables improved strategic decision-making across the organization
2. Describe how risk assessment-based allocation of resources should ideally function within ERM models
3. Summarize the evolution of the Chief Risk Office (CRO) within organizations, and describe the implications of these changes within different ERM models
4. Develop an Investment Policy Statement for an ERM governed organization, and summarize the application within the overall enterprise strategic direction
5. Develop an Enterprise Crisis Communication Plan (ECCP) for an ERM organization, and summarize the implementation considerations needed for adoption
6. Develop an ERM framework model and plan for integration within an organization
7. Develop and analyze an ERM framework and governance model for an assigned organization

Certificate Requirements:

Code	Title	Credits
Required Courses		
MBA 720	Introduction to Enterprise Risk Management	3
MBA 721	Credit and Market Risk Fundamentals	3
MBA 722	Enterprise Risk Management-Leadership and Governance	3
MBA 723	Case Studies in Enterprise Risk Management and Governance	3
MBA 724	Crisis Planning and Enterprise Communication Management	3

Total Credits **15**

Graduate Certificate in Financial Psychology & Behavioral Finance

The mission of the Financial Psychology Institute (<https://www.financialpsychologyinstitute.com/>) is to increase the understanding of how psychological factors impact financial behaviors, establish evidence-based practices for improving clients' financial health, and train financial and mental health professionals to work more effectively with clients.

Graduate Certificate in Financial Psychology & Behavioral Finance course requirements (15 credits):

Code	Title	Credits
MFP 753	Applied Behavior Finance	3
MFP 754	Introduction to Financial Psychology	3
MFP 755	Personal Financial Psychology	3
MFP 756	Psychology of Family Finances	3
MFP 757	Financial Communication and Client Interviewing	3
Total Credits		15

Personal Financial Planning Graduate Certificate

Graduate Certificate in Personal Financial Planning: (21 Credits)

Through 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® 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 professionals exposure to our graduate programs and opportunities for degrees.
3. Provide learning opportunities for professionals 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.
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 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 Master of Financial Planning and Financial Psychology

Code	Title	Credits
FIN 511	Retirement Planning and Employee Benefits	3
FIN 512	Estate Planning and Taxation	3
MBA 715	Investment Value and Theory	3
MBA 739	Tax Theory and Business Decisions	3
MFP 751	Personal Financial Planning	3
MFP 752	Personal Insurance Risk Management	3
MFP 758	Case Studies in Financial Planning	3
Total Credits		21

Project Management Graduate Certificate

Project Management Graduate Certificate: (15 credits)

The Graduate Certificate in Project Management curriculum is designed for those who want to lead cross-functional teams to deliver exceptional outcomes and drive business value through the successful completion of projects. Aligned with the leading global standard in project management,

the Guide to the Project Management Body of Knowledge (PMBOK® Guide), that is administered by the Project Management Institute (PMI), the curriculum is both experiential and pragmatic. It is designed for new and experienced professionals to apply business acumen and project management tools and techniques to meet organizational strategic goals, and is applicable to a broad range of industry sectors such as Information Technology, Finance and Banking, Healthcare, Manufacturing, Engineering, Insurance, and Construction. Courses cover many of the topics included in two of the most-regarded PMI certifications: the Project Management Professional (PMP®) and the Agile Certified Practitioner (PMI-ACP®), and cover a significant portion of the topics for several others including: Program Management Professional (PgMP)®, PMI Risk Management Professional (PMI-RMP®); PMI Scheduling Professional (PMI-SP)®, and PMI Organizational Project Management OPM3® certifications.

Program Goals

The learning outcomes and goals of the Graduate Certificate in Project Management focus area are:

- Learners will develop competencies necessary for professional careers implementing projects in today's dynamic business environment where innovation, continuous improvement, expansion, and change are all hallmarks. This program is focused on the application of business concepts to generate solutions for contemporary business problems.
- Learners will integrate project management knowledge with leadership, team collaboration, effective communication skills, negotiation, and strategic thinking. All are vital to successful project completion today, which necessitates a flexible and adaptive mindset focused on delivering value throughout the project lifecycle. It is the application of innovative and outcome-focused approaches that leaders and managers must use to influence the work behaviors and attitudes of individuals, teams, and other groups in organizations. Building, developing, and leading teams in traditional as well as virtual environments to meet specific strategic goals is a key focus of project management.

- Learners will examine the five process groups, 10 project management knowledge areas, and 49 processes covered in the PMBOK® Guide, where three of the knowledge areas, Cost, Stakeholder Management and Integration require the learner to apply a stakeholder, value-based framework for financial decisions related to project alternatives for balancing responsiveness, cost, and quality.
- Learners will explore the ethical and professional standards required for project managers to effectively drive and lead change while maximizing and balancing critical resources, cost, quality, and time. These standards provide a working framework to enable maximum social and cultural value, while considering return on investment. The courses will identify and enable creation of responsible courses of action using ethical decision-making models based on the prevailing professional code of ethics and standards for project management.
- Upon completion of the program, learners interested in earning a CAPM®, PMP® or PMI-ACP® designation will have covered many of the topics and met many of the requirements to sit for these certification exams.
- Learners interested in leading improvements, innovation, and change in a broad spectrum of business areas will acquire and practice the core project management skills needed for successful completion of projects that deliver the desired outcomes to the satisfaction of the customer. To demonstrate the ability to manage change in the project environment, learners will explore and practice analyzing complex situations and soliciting feedback from stakeholders, developing innovative solutions, negotiating for necessary resources, and implementing necessary changes while justifying proposed actions.
- Learners will be able to enhance their skillsets, build a project management “toolbox, and gain the necessary knowledge to advance their careers in project, program, and portfolio management.

Admission

1. Eligibility for Admission: Admission is based on having a bachelor's degree, two letters of recommendation, 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 15 credit hours. These credits may also apply as a focus area in the MBA or MS-BIA.

Code	Title	Credits
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
Select nine credits from the following courses:		
MBA/BIA 707	Project Management Capstone - PMP Exam Prep	
MBA/BIA 708	Project Management Capstone - PMI ACP Exam	
MBA 771	Leadership and Organizational Behavior	
MBA 776	Business, Ethics and Society	
BIA 782	Database Management Systems	

BIA 787 Business Process Management	
CBI 505	Introduction to Executive Leadership
CBI 506	Advanced Executive Leadership
CBI 515	Business Operations-Technical Focus
CBI 516	Business Operations-Interpersonal, Interdisciplinary, and Transversal Skills Focus

Total Credits 15

Business Analytics

Program Director: Dr. Natalie Gerhart
 Program Chair: Dr. Maggie Knight
 Program Office: Harper Center

Graduate Study in Business Analytics

The Master of Science (M.S.) in Business Analytics (BA) degree is a 33 credit hour program. The program focuses on using analytics to improve business decision making. Graduates will exhibit statistical thinking, computation thinking, data literacy, storytelling skills, and business acumen. The core courses cover descriptive, predictive, and prescriptive analytics as well as analytics focus on ethics. Courses will mainly be online with few options for on-campus courses.

Program Learning Goals and student learning outcomes

Program Mission: To develop business analysts with skills to turn data into actionable insights.

Creighton-formed business leaders will:

PLG 1: Exhibit disciplinary knowledge in Business Intelligence and Analytics.

SLO 1A: Analyze data for business decisions.

SLO 1B: Design and interact with a database.

SLO 1C: Create clear and actionable data visualizations.

PLG 2: Think critically to aid business decision-making.

SLO 2A: Apply computational thinking to diagnose and address business challenges.

PLG 3: Communicate results to business audiences.

SLO 3A: Write recommendations based on data analyses.

SLO 3B: Utilize storytelling techniques to verbally convey results.

PLG 4: Demonstrates care for others.

SLO 4A: Analyze a business ethics situation and propose a course of action.

SLO 4B: Evaluate the implications of analytics as it relates to diversity.

PLG 5: Exhibit personal habits consistent with leadership formation.

SLO 5A: Reflect on and articulate the relationships among personal values, professional obligations, and social responsibilities.

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):** The Graduate Management Admission Test (GMAT) is not required for applicants who have work experience and a minimum 3.00 cumulative GPA across all institutions attended. If the applicant's cumulative GPA is less than 3.00, the GMAT is required. For applicants without work experience, and for all applicants to the MIMFA and MFIN programs, a minimum 3.50 cumulative GPA is required for the GMAT waiver. All international students whose undergraduate degree was not granted by a US institution will be required to submit a GMAT score. Regardless of the applicant's cumulative GPA, the admissions committee reserves the right to require an applicant to submit a GMAT score if there are concerns regarding the applicant's work experience and/or the student's achievement across all math, statistics, economics and finance courses previously completed.
6. **Test of English as a Foreign Language:** The Graduate School requires all students who are native speakers of languages other than English to demonstrate competence in English. International applicants who received their baccalaureate degree from an accredited institution from the following countries are not required to show proficiency in English; Australia, Canada, Barbados, Bahamas, Bermuda, British Virgin Islands, Cayman Islands, Dominica, Grenada, Guam, Ireland, Jamaica, Marshall Islands, New Zealand, St. Kitts, St. Lucia, Scotland, Singapore, Trinidad and Tobago, United Kingdom, United States, and Virgin Islands. There are 3 test scores that can be used to demonstrate competence in English. Only one of the three must be provided. 1) **TOEFL:** score of 90 or above on the Internet-based Test (TOEFL iBT) with no section below 20. 2) **IELTS:** overall band score of at least 6.5 with no section below 6. 3) **Duolingo:** score of 110 or above.
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:** Proficiency in programming and foundational statistics is necessary for this program. Students can demonstrate proficiency in these areas with prior courses or professional experience. Those that do not have proficiency can meet this requirement with courses as part of the program.

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.

Degree Programs

- M.S., Business Analytics (p. 67)
- MBA/MS-BIA Dual Degree (p. 59)

Graduate Certificate in Business Analytics

- Business Analytics (p. 67)

Courses

BIA 603. Python Programming for Analytics. 3 credits.

This course provides a foundation in Python, focusing on how it is used for data analytics. This course will teach several things: the mental model of a programmer, how to problem-solve using computational thinking, how to devise creative solutions to problems, the terminology of technology/computers/software/hardware, and of course, some programming. Popular data analytics libraries will also be incorporated, including Pandas, NumPy, and SciPy.

BIA 729. Statistics for Business Analytics. 3 credits.

Properly applying statistical methodology to the analysis of business data benefits from a firm grasp of statistical concepts and techniques. This course strives to bring depth to the business analyst's toolbox of statistical methods by introducing the fundamental mathematical and statistical concepts underpinning modern statistical methods of data analysis.

BIA 742. Predictive Analytics. 3 credits.

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 business examples, readings, and hands-on exercises to reinforce the concepts. P. BIA 603, BIA 729, or IC.

BIA 746. Applications of Optimization Modeling. 3 credits.

The overarching purpose of this course is to help students improve their quantitative skills and make better decisions with the aid of mathematical modeling tools. This course introduces students to the basics of optimization modeling and analyses. Specifically, students will have a working knowledge of linear, non-linear, and integer programming models in a variety of business contexts. In addition, sensitivity analyses and "what if" scenarios will be examined. P. BIA 729.

BIA 755. Data Wrangling. 1.5 credit.

Methodologies and tools for acquiring data from multiple sources and combining them to create useable data sets are critical to fully harness the potential of big data and analytics. Topics such as data validation, handling missing data, data acquisition and web scraping are discussed. P. ANX 603 or Coding experience or IC.

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 current and emerging landscape of data analytics, while introducing techniques and tools used to transform data into actionable information.

BIA 764. Data Governance. 3 credits.

This course explores the elements of data governance (e.g., principles, policies, functions, metrics, technology, tools, etc.), along with the process of designing, deploying and sustaining an effective data governance program which is essential to analytics-driven organizations. Additionally, students will explore master data management (MDM), data quality, and security, privacy, and regulatory compliance topics. P. BIA 762 or IC.

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.

BIA 772. Data Visual Analysis and Visualization. 3 credits.

Information Visualization is an active 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. While there is a lot of data available, communicating insights and data storytelling are sought after skills that will be central to this course. P. BIA 729 or IC.

BIA 775. Ethics in Data Analytics. 1.5 credit.

Students will be introduced to the concept of big data ethics, and become familiar with some of the key types of ethical challenges in this area, as well as ethical precepts and moral codes to give them guidance. From this course students should be able to identify ethical considerations and reason critically to arrive at moral decisions with issues surrounding big data, particularly privacy and confidentiality, responsible use of data, and accurate representation of data and avoidance of algorithmic bias.

BIA 776. Ethics in Business Analytics. 3 credits.

This course considers the relationships between business and society, considering the ethical questions in analytics. Students should be able to identify ethical considerations and reason critically to arrive at moral decisions with issues surrounding analytics, particularly privacy and confidentiality, responsible use of data, and accurate representation of data and avoidance of algorithmic bias.

BIA 781. Machine Learning. 3 credits.

This course is designed to provide students with a foundation in machine learning as used in business analytics. Machine learning, while not a new field, has become of increasing interest to business due to its ability to provide predictive ability. Topics covered include machine learning approaches to prediction, classification and clustering. P. BIA 603 and BIA 729.

BIA 782. Database Management Systems. 3 credits.

This course provides an introduction to business database applications. Students will learn data modeling, relational database design techniques, and strategies for collecting, storing, manipulating, and retrieving data. Students will also be introduced to other Big Data concepts.

BIA 789. Seminar:Advanced Topics in Information Technology Management. 1-3 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 794. Business Analytics Readings. 3 credits.

This is a readings course where students study books, articles, and position papers about a specific chosen business analytics topic. This course seeks to expand students' thinking and provides an opportunity for self-reflection. This is accomplished by reading, analyzing, sharing, reflecting and then reformulating the way we look at things/concepts in the Business Intelligence & Analytics realm. The readings will vary depending upon the theme/topic. P. Instructor Consent.

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.

Business Analytics

Master of Science, Business Analytics

The hybrid Master of Science (M.S.) in Business Analytics (BA) consists of 33 credit hours. Courses will mainly be online with a few options for on campus courses. All students complete the 15 hours of core components and select 18 hours of Electives that are consistent with their career interests.

Code	Title	Credits
Core Courses		
BIA 746	Applications of Optimization Modeling	3
BIA 772	Data Visual Analysis and Visualization	3
BIA 776	Ethics in Business Analytics	3
BIA 781	Machine Learning	3
BIA 782	Database Management Systems	3
Electives (18 Credit Hours)		
Students should select Elective courses based on their area of interest. At least 12 hours must be other 700-level BIA courses. 6 hours of Electives may be selected from other 700-level MBA courses.		18
Total Credits		33

Graduate Certificate in Business Analytics

The graduate certificate in Business Analytics consists of 15 credit hours of graduate course work. Courses will be online. 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):

Code	Title	Credits
Each of the following required courses:		
BIA 603	Python Programming for Analytics	3
BIA 729	Statistics for Business Analytics	3
BIA 782	Database Management Systems	3
At least six credits from the following list:		6
BIA 742	Predictive Analytics	
BIA 746	Applications of Optimization Modeling	
BIA 772	Data Visual Analysis and Visualization	
BIA 781	Machine Learning	
BIA 794	Business Analytics Readings	
Total Credits		15

Christian Spirituality

Program Director: J. Jay Carney, PhD
Associate Director: Dulcinea Boesenberg, PhD

<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

- M.A., Christian Spirituality (p. 71)

Certificates offered through Christian Spirituality

- Spiritual Direction and Directed Retreats (p. 75)
- Ignatian Tradition (p. 76)

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 662. Scriptural Foundation Of Christian Spirituality. 3 credits. SU
Introduction to Scripture, especially the New Testament, as the foundation to all Christian Spirituality. Faith, prayer, Holy Spirit, Church, centrality of Christ.

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. Mindful Movement. 1 credit. SU

The integration of body, mind, and spirit is an essential tool for bringing awareness to the self and relationships both spiritual and emotional. As a component part of larger disciplines for spiritual growth and wellness, this course is designed to teach students the fundamental practices of prayerful moving meditation. Through these practices students will develop an understanding of how to integrate this tool 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 the Synoptic Gospels. 3 credits. SU

Study of the spirituality implicit in each of the Synoptic Gospels: Matthew, Mark, and Luke (along with its companion volume, Acts). Focus on God, Jesus, Holy Spirit, discipleship, righteousness, suffering, possessions, community, mission, interpretation of Israel's Scriptures, and narrative as a vehicle for 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. 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. BioSpiritual 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)

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 environmental spirituality as essential to the fullness of Christian faith. The course studies spirituality and morality with a focus on Catholic social teaching, considers creation care as love of God and neighbor, and equips students with spiritual and actionable practices to faithfully address climate change in the church and society.

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 700. Christian Prayer: Ecumenical Breadth and Historical Depth. 3 credits. (Same as MAM 780)

This course will introduce students to the historical and contemporary landscape of the Christian spiritual traditions. It will include consideration of the relationship between theology and spirituality and the Christian spiritual life considered in the context of the lively contemporary American interest in spirituality. While the Roman Catholic traditions of prayer and practice will be foregrounded, the ecumenical breadth of Christian spiritual traditions will also be considered. Emphasis will be placed upon the study and practice of various spiritual disciplines, especially forms of communal and personal prayer. In addition, there will be an overview of the major traditions and movements in the history of Christian spirituality. Students should gain an appreciation of their call to ministry and Gospel living in all dimensions of life.

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, Dreams, and Spiritual Growth. 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 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 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 763. Pilgrimage as Prayer. 3 credits.

A twelve day travel course or pilgrimage to the Ignatian "places" of northern Spain, Paris, and Rome, which incorporates the elements of personal prayer and reflection in the form of the Spiritual Exercises.

CSP 764. Foundations and Practices of Christian Prayer. 3 credits. SU

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 768. History of Ignatian Tradition. 3 credits.

This course covers intersection of world cultures and Ignatian vision of Jesuits from the 16th Century, its spread through missionary work, its development through 5 centuries, suppression and restoration and renewal in the 20th and 21st Centuries. Emphasis on the mission of Education and the faith that does justice.

CSP 769. History of Christian Spirituality. 1-3 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. 1-3 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 772. Vatican II and the Doctrinal Foundations of Contemporary Christian Spirituality. 3 credits.

This course examines the role and impact of the Second Vatican Council on the foundational doctrines of faith, such as, the role of Scripture, Theological Anthropology, Christology, Soteriology, Ecclesiology, Pneumatology, and explores their relevance for the Christian spiritual journey.

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 777. Spirituality and Catholic Social Teaching. 3 credits.

The Catholic tradition insists that spirituality and social ethics are integrally related such that one is impoverished without deep connection with the other. Informed by that insight, this course explores the relationships between Christian spirituality and Catholic Social Teaching. Texts include essays from leading theologians and documents from the magisterium. Topics include the relationship between spirituality and ethics, conscience, methods in Catholic social ethics, human life and dignity, preferential option for the poor and vulnerable, rights and responsibilities, common good and solidarity, economic justice, immigration, peace and war, and ecology and climate change.

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.

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 van Kaam.

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. Spiritual Direction Practicum. 1 credit.

Having completed twelve credit hours in prerequisite courses for the Spiritual Direction - Directed Retreat Certificate, students put their learning into practice in the Spiritual Direction Practicum. Under the direction of a trained Supervisor, the spiritual direction intern meets with at least three directees for nine months between August and May. This course must be taken twice, for a total of 2 credits, during the fall semester and the subsequent spring semester.

CSP 788. Directed Retreat Practicum. 1 credit.

Students who have completed the Spiritual Direction Practicum are prepared for the Directed Retreat Practicum. Under the direction of a trained Supervisor, the Directed Retreat Intern meets with at least two directees during an 8-day directed retreat.

CSP 789. Thomas Merton's Contemplative Vision. 1 credit. SU

The relevance of Merton for contemporary spirituality. Merton in context of the American and international 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 792. MA Integrating Thesis. 3 credits.

This course is designed to facilitate and guide the writing of the capstone MA integrating thesis, which is the culminating requirement of the Master of Arts, Major in Christian Spirituality degree. P. 30 credit hours of CSP MA required courses and in the final semester of the program.

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. P. DC and IC.

M.A., 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 after all courses are completed in the final semester of the program.

M.A., Christian Spirituality requirements (33 credits):

Code	Title	Credits
Ignatian Studies		3
Select 3 credits from the following:		
CSP 676	Giving 19th Annotation Retreats	
CSP 723	Creating a Preached Retreat	
CSP 768	History of Ignatian Tradition	

CSP 773	The Theology of the Spiritual Exercises of St. Ignatius	
CSP 777	Spirituality and Catholic Social Teaching	
CSP 776	Discernment of Spirits: Theory and Practice	
Scripture		
Select one of the following:		3
CSP 662	Scriptural Foundation Of Christian Spirituality	
CSP 664	Spirituality of John	
CSP 675	Spirituality of the Synoptic Gospels	
CSP 678	Spirituality of Paul	
Foundations		
Select one of the following:		3
CSP 761	Liturgical Foundation of Christian Spirituality	
CSP 762	Doctrinal Foundation of Christian Spirituality	
CSP 772	Vatican II and the Doctrinal Foundations of Contemporary Christian Spirituality	
History		
Select one of the following:		3
CSP 768	History of Ignatian Tradition	
CSP 769	History of Christian Spirituality	
CSP 770	Called To Holiness: The Christian Vocation	
Prayer		
Select one of the following:		3
CSP 700	Christian Prayer: Ecumenical Breadth and Historical Depth	
CSP 763	Pilgrimage as Prayer	
CSP 764	Foundations and Practices of Christian Prayer	
CSP 765	Prayer, Intimacy, And True Christian Growth	
CSP 766	Contemplation In The Christian Tradition	
Social Concern		
Select one of the following:		3
CSP 691	Eco Spirituality	
CSP 716	Spirituality of Reconciliation: Global and Social Perspectives	
CSP 777	Spirituality and Catholic Social Teaching	
CSP 779	Spirituality and Social Concerns	
Human Development		
Select 3 credits from the following:		3
CSP 660	Dreams and Spiritual Growth	
CSP 672	True Self/ False Self: The Enneagram and Spiritual Transformation	
CSP 677	Spirituality, Psychological Foundations, and Practice of Forgiveness	
CSP 679	BioSpiritual Focusing	
CSP 717	Jungian Psychology, Dreams, and Spiritual Growth	
CSP 780	Introduction to Counseling for Spiritual Directors	
CSP 791	Spirituality and Sexuality	
Integrating Thesis		
CSP 792	MA Integrating Thesis (Must be taken in final semester)	3
Electives		
		9
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.

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 662. Scriptural Foundation Of Christian Spirituality. 3 credits. SU Introduction to Scripture, especially the New Testament, as the foundation to all Christian Spirituality. Faith, prayer, Holy Spirit, Church, centrality of Christ.

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. Mindful Movement. 1 credit. SU

The integration of body, mind, and spirit is an essential tool for bringing awareness to the self and relationships both spiritual and emotional. As a component part of larger disciplines for spiritual growth and wellness, this course is designed to teach students the fundamental practices of prayerful moving meditation. Through these practices students will develop an understanding of how to integrate this tool 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 the Synoptic Gospels. 3 credits. SU

Study of the spirituality implicit in each of the Synoptic Gospels: Matthew, Mark, and Luke (along with its companion volume, Acts). Focus on God, Jesus, Holy Spirit, discipleship, righteousness, suffering, possessions, community, mission, interpretation of Israel's Scriptures, and narrative as a vehicle for 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. 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. BioSpiritual 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)

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 environmental spirituality as essential to the fullness of Christian faith. The course studies spirituality and morality with a focus on Catholic social teaching, considers creation care as love of God and neighbor, and equips students with spiritual and actionable practices to faithfully address climate change in the church and society.

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 700. Christian Prayer: Ecumenical Breadth and Historical Depth. 3 credits. (Same as MAM 780)

This course will introduce students to the historical and contemporary landscape of the Christian spiritual traditions. It will include consideration of the relationship between theology and spirituality and the Christian spiritual life considered in the context of the lively contemporary American interest in spirituality. While the Roman Catholic traditions of prayer and practice will be foregrounded, the ecumenical breadth of Christian spiritual traditions will also be considered. Emphasis will be placed upon the study and practice of various spiritual disciplines, especially forms of communal and personal prayer. In addition, there will be an overview of the major traditions and movements in the history of Christian spirituality. Students should gain an appreciation of their call to ministry and Gospel living in all dimensions of life.

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, Dreams, and Spiritual Growth. 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 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 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 763. Pilgrimage as Prayer. 3 credits.

A twelve day travel course or pilgrimage to the Ignatian "places" of northern Spain, Paris, and Rome, which incorporates the elements of personal prayer and reflection in the form of the Spiritual Exercises.

CSP 764. Foundations and Practices of Christian Prayer. 3 credits. SU

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 768. History of Ignatian Tradition. 3 credits.

This course covers intersection of world cultures and Ignatian vision of Jesuits from the 16th Century, its spread through missionary work, it's development through 5 centuries, suppression and restoration and renewal in the 20th and 21st Centuries. Emphasis on the mission of Education and the faith that does justice.

CSP 769. History of Christian Spirituality. 1-3 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. 1-3 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 772. Vatican II and the Doctrinal Foundations of Contemporary Christian Spirituality. 3 credits.

This course examines the role and impact of the Second Vatican Council on the foundational doctrines of faith, such as, the role of Scripture, Theological Anthropology, Christology, Soteriology, Ecclesiology, Pneumatology, and explores their relevance for the Christian spiritual journey.

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 777. Spirituality and Catholic Social Teaching. 3 credits.

The Catholic tradition insists that spirituality and social ethics are integrally related such that one is impoverished without deep connection with the other. Informed by that insight, this course explores the relationships between Christian spirituality and Catholic Social Teaching. Texts include essays from leading theologians and documents from the magisterium. Topics include the relationship between spirituality and ethics, conscience, methods in Catholic social ethics, human life and dignity, preferential option for the poor and vulnerable, rights and responsibilities, common good and solidarity, economic justice, immigration, peace and war, and ecology and climate change.

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.

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 van Kaam.

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. Spiritual Direction Practicum. 1 credit.

Having completed twelve credit hours in prerequisite courses for the Spiritual Direction - Directed Retreat Certificate, students put their learning into practice in the Spiritual Direction Practicum. Under the direction of a trained Supervisor, the spiritual direction intern meets with at least three directees for nine months between August and May. This course must be taken twice, for a total of 2 credits, during the fall semester and the subsequent spring semester.

CSP 788. Directed Retreat Practicum. 1 credit.

Students who have completed the Spiritual Direction Practicum are prepared for the Directed Retreat Practicum. Under the direction of a trained Supervisor, the Directed Retreat Intern meets with at least two directees during an 8-day directed retreat.

CSP 789. Thomas Merton's Contemplative Vision. 1 credit. SU

The relevance of Merton for contemporary spirituality. Merton in context of the American and international 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 792. MA Integrating Thesis. 3 credits.

This course is designed to facilitate and guide the writing of the capstone MA integrating thesis, which is the culminating requirement of the Master of Arts, Major in Christian Spirituality degree. P. 30 credit hours of CSP MA required courses and in the final semester of the program.

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. P. DC and IC.

Spiritual Direction and Directed Retreats-Graduate Certificate

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 (21 credits):

Code	Title	Credits
Required		
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
CSP 787	Spiritual Direction Practicum (take two semesters)	2
CSP 788	Directed Retreat Practicum	1

Prayer requirement		3
Select one of the following:		
CSP 700	Christian Prayer: Ecumenical Breadth and Historical Depth	
CSP 764	Foundations and Practices of Christian Prayer	
CSP 765	Prayer, Intimacy, And True Christian Growth	
CSP 766	Contemplation In The Christian Tradition	
Total Credits		21

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.

Ignatian Tradition Certificate

Certificate in Ignatian Tradition requirements: 9 credits

Ideal credentials for anyone who will take up an Ignatian apostolate, such as a Jesuit University, High School, Jesuit Refugee Services, etc.

Code	Title	Credits
Required:		
CSP 773	The Theology of the Spiritual Exercises of St. Ignatius	3
CSP 768	History of Ignatian Tradition	3
Choose one of the following:		
CSP 670	Art and Spirituality	3
CSP 700	Christian Prayer: Ecumenical Breadth and Historical Depth	3
CSP 763	Pilgrimage as Prayer	3
CSP 764	Foundations and Practices of Christian Prayer	3
CSP 765	Prayer, Intimacy, And True Christian Growth	3
CSP 766	Contemplation In The Christian Tradition	3

Education

M.S., Educational Leadership Program Director: Ann T. Mausbach, PhD
 M.S., School Counseling Program Director: Jan Powers, PhD
 M.S., Education Specialist Areas Program Director: Carin Appleget, PhD
 Magis Catholic Teacher Corps Program Director: Colleen Chiacchere
 M.Ed., Secondary Program Director: Max T. Engel, PhD
 M.Ed., Elementary Program Director: Carin Appleget, PhD
 Director of Catholic School Leadership Certificate: Ronald D. Fussell, EdD
 Department Office: Eppley, Room 450

Graduate Study in Education

The Creighton University Department of Education offers a variety of graduate programs that respond to the needs of teachers in diverse settings. Applicants of certain programs 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 here (<https://www.creighton.edu/ccasdepartment/education/>).

Master of Education (M.Ed.) degrees:

- Secondary School Teaching (p. 83)
- Elementary School Teaching (p. 82)

Master of Science (M.S.) degrees:

- Educational Leadership - Specialization in School Administration (p. 88)
- Educational Leadership - Specialization in Teacher Leadership (p. 89)
- School Counseling (p. 91)
- Educational Specialist Areas (p. 90)

Accelerated Bachelor's to Master's Program:

- BS-Elementary Education/MS-Educational Specialist Areas (p. 95)

Certificate in Education

- Catholic School Leadership (p. 95)
- Early Childhood Education (p. 96)
- English as a Second Language (p. 97)
- K-12 Educational Leadership through Sports (p. 97)
- Sports Leadership (p. 98)
- Teacher Leadership (p. 98)
- Theology for Catechesis (p. 98)

Courses

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.

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.

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.

COU 606. Theoretical Perspectives in School Counseling. 3 credits.

An overview of counseling and career development theories to help students develop their theoretical orientation to school counseling.

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.

COU 613. Foundations of School Counseling. 3 credits.

Provide orientation to professional school counseling using the ASCA national Model and ASCA Ethical Model.

COU 617. Practicum I: Introduction to School Climate and Procedures. 3 credits.

COU 617, COU 618, COU, 619 and COU 620 - Practicums 1-4 are required of students who enter the program without a teaching certificate and require students to accrue a total of 100 hours in a school setting by the end of the first year in the program. Practicum hours will provide student with required tasks to acquaint them with the culture of the school.

COU 618. Practicum 2: Trends in School Policies and Practices. 3 credits.

COU 617, COU 618, COU, 619 and COU 620 - Practicums 1-4 are required of students who enter the program without a teaching certificate and require students to accrue a total of 100 hours in a school setting by the end of the first year in the program. Practicum hours will provide student with required tasks to acquaint them with the culture of the school.

COU 619. Practicum 3: Curriculum, Instruction, and Assessment. 3-4 credits.

COU 617, COU 618, COU, 619 and COU 620 - Practicums 1-4 are required of students who enter the program without a teaching certificate and require students to accrue a total of 100 hours in a school setting by the end of the first year in the program. Practicum hours will provide student with required tasks to acquaint them with the culture of the school.

COU 620. Practicum 4: Differentiated Learning: Instruction, Classroom Management and Special Education. 3-4 credits.

COU 617, COU 618, COU, 619 and COU 620 - Practicums 1-4 are required of students who enter the program without a teaching certificate and require students to accrue a total of 100 hours in a school setting by the end of the first year in the program. Practicum hours will provide student with required tasks to acquaint them with the culture of the school.

COU 660. Group Counseling Approaches for Children and Adolescents. 3 credits.

An overview of the knowledge and skills necessary to conduct successful small and large group counseling for children and adolescents.

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.

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.

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.

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.

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

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.

COU 683. Advanced Internship in Elementary School Counseling. 3 credits. SP

This is a continuation of COU 682 and will culminate in the accumulation of the hours and experiences necessary for program completion.

COU 684. Internship in Secondary School Counseling. 3 credits. FA

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.

COU 685. Advanced Internship in Secondary School Counseling. 3 credits. SP

This is a continuation of COU 684 and will culminate in the accumulation of the hours and experiences necessary for program completion.

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.

EDL 605. Foundations of Catholic Education. 3 credits. OD, SU

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 a primary source for student engagement of Catholic school identity, mission, and philosophy, especially as it plays out in our 21st century context. Key concepts include: Vatican II, mission-centered and faith leadership, pluralism and diversity, and school charism.

EDL 607. School Improvement. 3 credits.

This course addresses using and aligning the processes for continuous school improvement. 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 review and develop a school improvement plan. The change process will be discussed in order to help students 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.

EDL 610. Curriculum, Instruction, and Assessment, Part II. 3 credits.

This course addresses effective instruction, literacy practices, and using formative assessments to support learning. Key concepts in this course include; gradual release of responsibility, using data to respond to student needs, effective literacy instruction, and culturally sensitive curriculum and assessments. Students will analyze instruction in practice order to identify strengths and areas for teacher growth.

EDL 612. Special Education Leadership. 3 credits.

This course provides a comprehensive overview of the field of special education and special education laws for regular education administrators in elementary and secondary schools. The course covers principles of effective leadership of special education programs with a focus on practices that promote education in the least restrictive environment. P. DC.

EDL 613. Intervention Strategies. 3 credits.

This course addresses procedures, and systems in elementary and secondary schools that ensure academic and social success for students. Key concepts in this course include effective literacy intervention, effective math interventions, progress monitoring, and connecting intervention to the regular classroom.

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 615. Student Centered Coaching. 3 credits.

This course addresses how to use a student-centered coaching model to improve outcomes for students in elementary and secondary schools. Key concepts in this course include coaching cycles, data collection, talk moves for coaching, and adult learning needs.

EDL 616. Analyzing Student Work. 3 credits.

This course addresses how to use a variety of protocols to analyze student work in elementary and secondary schools. Key concepts in this course include facilitation skills when using protocols, how to intervene when protocols are not working, and identifying which protocols are most effective in given settings.

EDL 619. School Culture. 3 credits.

This course investigates how to cultivate a school culture that supports the school's mission and goals. Key concepts in this course include school climate, relationships, norms, traditions, parent and community partnerships, diversity, and school context. Students will practice strategies for analyzing, aligning, strengthening, monitoring, and changing school culture as well as for engaging parents, other stakeholders, and the broader community. P. DC.

EDL 622. School Law. 3 credits. FA

This course provides background in Constitutional law and statutes affecting public and private schools. Key concepts include; legal and ethical rights and responsibilities with respect to issues such as religion and schools, student discipline, negligence, teacher hiring and firing, and social media. Catholic school students will explore Canon Law. Students will use case studies and issues in their school context to apply legal principles and practice ethical decision making.

EDL 624. Differentiated Supervision for Professional Growth. 3 credits.

This course addresses how to increase student achievement in elementary and secondary schools by developing the individual and collective capacity of staff. Key concepts in this course include differentiating professional learning opportunities, using feedback to promote growth, and aligning supervision practices to mission and the school improvement plan. Students will observe in classrooms and conduct post-observation conferences. P. DC.

EDL 626. Strategic Resourcing. 3 credits. FA, SP

This course examines the means through which public and private acquire, spend, and account for resources (e.g., finances, personnel, facilities). Key concepts include funding sources, budget management and planning, resource allocation, stewardship, and equity. Catholic school students will explore the topics of development and enrollment management.

EDL 627. Strategic and Political Leadership in Catholic Schools. 3 credits. SP, SU

This course addresses the strategic and political dimensions of Catholic educational leadership. Topics include strategic planning, governance, networks and partnerships, and political advocacy. The course stresses entrepreneurial leadership, innovation, collaboration, and advocacy in positioning Catholic schools for the future.

EDL 635. Internship I in Teacher Leadership. 3 credits.

This course provides students with the opportunity to apply learning from their courses in an elementary or secondary school setting. Students will conduct a student-centered coaching cycle and engage in other leadership activities under the supervision of the mentor principal.

EDL 639. Internship I in Elementary School Administration. 3 credits.

This course provides students with the opportunity to apply learning from their courses in a (elementary or secondary) school setting. Students will identify an issue in a school setting and will develop and implement plans in the school to address the issue. Growth and development issues for early childhood and elementary age students will be considered as students implement developmentally appropriate strategies. Students will engage in this and other leadership activities under the supervision of their mentor principal as well as their university-assigned executive coach and professional learning community. Students will supervise and assist with special education programs. P. DC.

EDL 640. Internship I in Secondary School Administration. 3 credits.

This course provides students with the opportunity to apply learning from their courses in a (elementary or secondary) school setting. Students will identify an issue in a school setting and will develop and implement plans in the school to address the issue. Growth and development issues for early childhood and elementary age students will be considered as students implement developmentally appropriate strategies. Students will engage in this and other leadership activities under the supervision of their mentor principal as well as their university-assigned executive coach and professional learning community. Students will supervise and assist with special education programs. P. DC.

EDL 643. Internship II in Elementary School Administration. 3 credits.

This course provides students with the opportunity to apply learning from their courses in a (elementary or secondary) school setting. Students will identify an issue in a school setting and will develop and implement plans to address issues. Growth and development issues for secondary age students will be considered as students implement developmentally appropriate strategies. Students will engage in this and other leadership activities under the supervision of their mentor principal as well as their university-assigned executive coach and professional learning community. Students will supervise and assist with special education programs.

EDL 644. Internship II Secondary School Administration. 3 credits.

This course provides students with the opportunity to apply learning from their courses in a (elementary or secondary) school setting. Students will identify an issue in a school setting and will develop and implement plans to address issues. Growth and development issues for secondary age students will be considered as students implement developmentally appropriate strategies. Students will engage in this and other leadership activities under the supervision of their mentor principal as well as their university-assigned executive coach and professional learning community. Students will supervise and assist with special education programs.

EDU 500. Literacy Assessment & Intervention. 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.

EDU 510. Growth And Development. 3 credits.

This course covers the theory and research literature of human development in every phase of life. Physical, cognitive, language, motor, personality, social, affective, moral, and spiritual development are considered as the course seeks to prepare students for roles in school, counseling, or therapeutic settings. P. EDU 170 or PSY 201.

EDU 521. Teaching Residency Integrated Seminar. 1 credit.

This one-credit course introduces the primary elements of the Accelerated Master's Degree Program including fundamentals of teacher professionalism, differentiation of instruction, and the residency model incorporated into the program. Teacher candidates will develop a framework for instructional practice to be implemented during the Residency and the Clinical Practice experiences. P. Admit to Teacher Residency MEd.

EDU 522. Foundations of Education Seminar I. 1 credit.

This one-credit online course introduces pivotal historical moments in US P-12 education as well as the philosophical underpinnings of educational movements throughout US history. Significant court cases and legislation related to education will be discussed. The philosophy of John Dewey, Catholic educational philosophy, Ignatian spirituality and the Ignatian Pedagogical Paradigm will be explored. Teacher ethics and legal responsibilities will be introduced. P. Admission into Education department; Graduate standing.

EDU 523. Foundations of Education Seminar II. 1 credit.

This one-credit course delves the importance of family and school community Catholic Social Teaching, the Jesuit focus on faith and justice, and contemporary pedagogy resisting oppression, including work by Paulo Freire. It reviews Jesuit spirituality from the second 1-credit seminar and introduces conversation about work-life balance. P. EDU 521, EDU 522; Admission into Education Department; Graduate standing.

EDU 525. Inclusion and Differentiation in the Elementary Classroom. 3 credits. FA, SP (Magis Designation: Ethics)

This course is designed to acquaint the regular elementary or secondary classroom teacher with inclusion and differentiation strategies. This includes the characteristics of students with mild/moderate disabilities. The course highlights discussions of diagnostic and remedial techniques for students with disabilities in the general classroom. Ethics in the school setting will also be explored. Students complete a 15-20 hour practicum under supervision of a special education teacher. P.Ethics, Education Department Consent.

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. Admission into Education Department.

EDU 541. Curriculum Design For English As A Second Language. 3 credits. OD

This course is designed to provide students with the knowledge and skills necessary for understanding and designing curricular models for P-12 students who are acquiring English as their new language. Students will learn theories of second language acquisition, English as a Second Language (ESL) legislation and issues, models of curriculum design, and language assessment.

EDU 542. Methods In English Language Learning. 3 credits. OD

This course is designed to provide students with the knowledge and skills necessary for using appropriate strategies and techniques with P-12 students who are acquiring English as their new language. Students will learn theories of second language acquisition, conduct language assessments, plan and implement lessons using bilingual/bicultural materials, and understand how to work with culturally/linguistically diverse families and interpreters.

EDU 543. Practicum In English Language Learning. 3 credits. OD

This course is the capstone for the teaching endorsement "English as a Second Language." Students will work in a P-12 school setting with students whose native language is not English. This course meets the certification requirements of the Nebraska Department of Education for a supplemental endorsement.

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.

EDU 547. Teaching Residency in Grades 7-12. 3 credits.

The course instructor will serve as an offsite supervisor for teacher residents while they complete a full-time residency in an accredited school. The instructor will work with the onsite mentor teachers to assist residents with putting into practice the specific skill set acquired in previous course work. P. EDU 521, 535, 551, 583, GRD 600.

EDU 548. Differentiating Instruction & Literacy Strategies in Grades 7-12. 1-3 credits. FA, SU

Teacher candidates and teachers will learn how to identify students with special learning needs. Teachers will also learn how to assist these students through differentiation of instruction. Application of skills will occur during a practicum in a school. This course meets the Nebraska Department of Education special education requirements. P. Graduate standing or Department consent.

EDU 551. Facilitating Student Learning. 3 credits.

Teacher candidates will be introduced to best practices for facilitating student learning. Planning for instruction and assessing student achievement will be key topics covered. The Ignatian Pedagogical Paradigm will be reviewed and teacher candidates will learn how to use this paradigm to facilitate student learning, reflection, and action. P. Admission into Education Department; Graduate standing.

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 15 clock hours of field experience will be required in conjunction with EDU 556.

EDU 557. Investigating Critical and Contemporary Trends and Issues in Early Childhood Education. 3 credits.

An in-depth study of critical trends and issues that have an impact on early childhood education today. These include but are not limited to family involvement, cultural diversity, differentiated instruction technology, and the benefits of nature and outdoor play.

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 10 hour field experience, which will allow the students to put into practice the skills they have learned throughout this course.

EDU 559. Significant Concepts for Early Childhood Education. 3 credits.

This course explores the importance integrating literacy, play, the arts, and social/emotional teaching practices in programs for children birth to age 8. Emphasis is placed on understanding the principles and practices that support young children's emerging literacy. It links the significance that oral language and early exploration has on later reading and writing skills. Focus will be placed on the role of play in influencing cognitive, social, emotional, physical, and language development. The course also identifies how the arts build interest, motivation, and learning in all curriculum areas. This course will include a 10-hour field experience, which will allow the students to put into practice the skills they have learned throughout this course.

EDU 560. Assessment, Observation, Screening and Evaluation in Early Childhood Education. 3 credits.

This course is designed to ensure candidates understand that child observation, documentation, and other forms of assessment are central to the practice of all early childhood professionals. In this course students will learn about the uses of assessment, systematic observations, screening, and other effective assessment strategies in responsible and ethical ways. As well, the students will learn how to use these assessment practices to positively influence the development of every child. To aid in the professional growth of the students this course will focus on fostering reflective practices, and special attention will be paid to the need for partnerships with parents and colleagues. Additionally, this course will allow candidates to become familiarized with some of the commonly used teacher assessment methods, in the hopes that they will be equipped to use these to improve their own teaching practices. This course will include 10 hours of field experience, which will allow students to observe and participate in various assessment practices.

EDU 561. Becoming an Early Childhood Teaching Professional. 3 credits.

This course is designed to prepare candidates to identify and conduct themselves as members of the early childhood profession. This course will place an emphasis on ethical guidelines and other professional standards related to the early childhood practice. It will encourage students to use reflection, collaboration and critical thinking skills as they pursue and attempt to assimilate new knowledge into their experiences with early childhood education. As the candidates gain an identity as an early childhood professional they will be encouraged to engage in advocacy for the young child. This course will include a 45-hour practicum, which will allow the student to put into practice all of the knowledge gained in previous ECE courses. P. EDU 556, EDU 557, EDU 558, and EDU 559. CO: EDU 560.

EDU 565. Methods Of Teaching Language Arts In Elementary School. 3 credits. FA

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. P. DC. CO: EDU 566, EDU 567, EDU 583.

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. 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. CO: EDU 565.

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, systematic 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. Satisfies Magis Designation: Oral Communications. P. 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. P. Admission into Education Dept required. CO: EDU 568.

EDU 572. Action Research and Assessment for Teachers. 3 credits. FA

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. P. Department Consent.

EDU 575. Contemporary Teaching Methods in Your Content Area, Grades 7-12. 3 credits. FA

The course instructor will serve as an instructional coach for candidates who are either completing a clinical practice experience or are teaching full-time in a Magis school. The instructor will assist candidates with completion of an assessment project and expansion of their instructional skills. Note—Candidates in the Teacher Residency MEd must satisfactorily complete EDU 547 with a grade of A or B prior to beginning this course and must take this course with EDU 591. P. EDU 548 or EDU 525; EDU 547.

EDU 583. Facilitating Student Responsibility. 3 credits. FA, SU

Teacher candidates will learn how to facilitate student learning through the use of behavioral expectations, reinforcement, procedures, and emphasizing student responsibility both for actions and for reconciliation. Specific components of the Ignatian Pedagogical Paradigm will be reinforced. CO: EDU 565.

EDU 584. Advanced Instructional Practices. 3 credits.

This seminar-style course is designed to develop teachers' skills in enhancing learning for all students by engaging them in activities that respond to their particular learning needs, strengths, and preferences. Instructional practices for differentiated instruction and culturally responsive pedagogies will be covered. Graduate students will learn about and engage in the processes of educational research. P. DC.

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). 1-14 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 undergraduate student teaching must be made before February 1 for the Fall Semester and October 1 for the Spring Semester. Residency and Magis graduate student teaching applications are considered complete upon program entry. P. DC.

EDU 593. Clinical Practice (Student Teaching) Seminar. 1 credit. 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. P. DC.

EDU 595. Restorative Justice in the Eyes of our Youth. 3 credits.

An introduction to the nature of restorative justice, community engagement, and developmental relationships, in a classroom setting, on a societal level, and in an interpersonal context. This course will survey the interplay between various systems that lead to injustice, specific behavior patterns, as well as analyze destructive and constructive human emotions, developmental relationships, and behavior. Students will be placed in metro area locations assisting youth. Students will use this practicum as an Academic Service Learning experience to help serve the community and put their Creighton and course learnings to practice. Prereq: Critical Issues in Human Inquiry course.

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. Admission into Education Department; Graduate standing.

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 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 685. Magis Capstone: Forming Ignatian Educators. 3 credits.

Course serves the capstone experience for Magis Catholic Teacher Corps participants' education and training. Students reflect on principles and practices of teaching and complete a culminating artifact of work. Coursework focuses on the Ignatian Pedagogical Paradigm, Magis' pillars of formation, and components of the program's graduate at Graduation.

EDU 692. Cultural Issues in Education. 3 credits. SU

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.

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. PDC.

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.

Elementary School Teaching - M.Ed.

Master of Education (M.Ed.), 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. Two 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 a Dispositions, Convictions, & Mental Health Statement (PDF) (<https://www.creighton.edu/sites/default/files/Dispositions-Convictions-Mental-Health-Statement.pdf>) 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 have a GPA of 2.75 or higher prior to student teaching. 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.

EDU 593	Clinical Practice (Student Teaching) Seminar	1
EDU 601	Instructional Technology for the Classroom	3
Total Credits		42-55

Magis Catholic Teacher Corps - M.Ed., Elementary School teaching

Code	Title	Credits
Summer I		
EDU 535	Human Relations And Cultural Diversity	3
EDU 551	Facilitating Student Learning	3
EDU 583	Facilitating Student Responsibility	3
Fall I		
EDU 522	Foundations of Education Seminar I	1
EDU 565	Methods Of Teaching Language Arts In Elementary School	3
EDU 566	Methods of Teaching of Elementary Reading	3
Spring I		
EDU 523	Foundations of Education Seminar II	1
EDU 568	Engaged in Math: Effective Methodologies for Pre-Service Elementary School Teachers	3
EDU 569	Methods of Teaching Science in Elementary School	3
Summer II		
EDL 605	Foundations of Catholic Education	3
EDU 510	Growth And Development	3
EDU 601	Instructional Technology for the Classroom	3
Fall II		
EDU 104	Integration of Art, Music, and PE	3
EDU 572	Action Research and Assessment for Teachers	3
Spring II		
EDU 525	Inclusion and Differentiation in the Elementary Classroom	3
EDU 685	Magis Capstone: Forming Ignatian Educators	3
Total Credits		44

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 two undergraduate courses that are also required to be completed prior to student teaching (3 credits each):

Code	Title	Credits
EDU 104	Integration of Art, Music, and PE	3
EDU 131	Literature for Children	3

M.Ed., Elementary School Teaching Degree Requirements

This is a 44-hour program. Scholarships for 50% of tuition costs are available to qualified students. Courses required are:

Code	Title	Credits
EDU 500	Literacy Assessment & Intervention	3
EDU 510	Growth And Development	3
EDU 522	Foundations of Education Seminar I	1
EDU 525	Inclusion and Differentiation in the Elementary Classroom	3
EDU 535	Human Relations And Cultural Diversity	3
EDU 551	Facilitating Student Learning	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 568	Engaged in Math: Effective Methodologies for Pre-Service Elementary School Teachers	3
EDU 569	Methods of Teaching Science in Elementary School	3
EDU 583	Facilitating Student Responsibility	3
EDU 584	Advanced Instructional Practices	3
EDU 591	Clinical Practice (Student Teaching)	1-14

Secondary School Teaching, M.Ed.

Master of Education in Secondary Teaching (with Initial Teacher Certification)

These programs are designed for college graduates who have earned a degree in an endorsable content area who are seeking teaching certification in Nebraska with a master's degree. These programs are accredited/approved by state, regional, and national accrediting agencies, including the Council for the Accreditation of Educator Preparation and the Nebraska Department of Education.

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.

Candidates will be provisionally licensed in Nebraska during their first summer in the program before they assume teaching responsibilities in the Magis placement in August of the first year. Certification for other states will vary.

Program Goals for M.Ed. Secondary School Teaching

At graduation, Creighton teachers will:

1. Use student personal data to adjust teaching and learning opportunities.
2. Differentiate instruction so that all learners have the opportunity to succeed.
3. Facilitate student responsibility for behavior and classroom environment.
4. Have a passion to open up their subject area to student led inquiry.
5. Engage all students in critical thinking and collaborative problem solving.
6. Use student assessment data to redesign teaching and learning opportunities.
7. Prepare lessons in which students have multiple opportunities to demonstrate understanding.
8. Use research-based classroom strategies, including technological tools, to facilitate student engagement in learning.
9. Be ethical practitioners who seek to continually grow through ongoing professional learning and personal goal setting.
10. Communicate and collaborate with colleagues, families, and communities to enhance student learning opportunities.
11. Be faith leaders in religious schools, especially Catholic schools.
12. Understand their profession as a calling to serve (magis, Ignatian Pedagogical Paradigm).

There are two ways that this Master's degree can be pursued:

Teacher Residency track

This 30 credit hour option is for students seeking to receive a standard master's degree and teaching certificate. It involves a year-long residency in a middle school or a high school, and, other than a six week face-to-face summer experience on Creighton's campus, is entirely online. Student teaching experience is important in order to provide students ample opportunities to apply the knowledge and skills of teaching practice and to learn the professional ways of acting required of a school teacher. Some courses may be online, and some courses may have online components. Scholarships for 1/2 of tuition costs are available to qualified students. Courses required are:

Teacher Residency Track Requirements (30 Credits):

Course	Title	Credits
First Year		
Fall		
EDU 522	Foundations of Education Seminar I	1
EDU 575	Contemporary Teaching Methods in Your Content Area, Grades 7-12	3
EDU 591	Clinical Practice (Student Teaching)	3
EDU 601	Instructional Technology for the Classroom	3
Term Credits		10
Spring		
EDU 510	Growth And Development	3
EDU 523	Foundations of Education Seminar II	1
EDU 548	Differentiating Instruction & Literacy Strategies in Grades 7-12	3
EDU 591	Clinical Practice (Student Teaching)	3
Term Credits		10
Summer		
EDU 521	Teaching Residency Integrated Seminar	1
EDU 535	Human Relations And Cultural Diversity	3
EDU 551	Facilitating Student Learning	3
EDU 583	Facilitating Student Responsibility	3
Term Credits		10
Total Credits		30

Magis Catholic Teacher Corps track

This 34 hour option seeks to develop a core of highly motivated teachers to work in under-served 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:

Code	Title	Credits
EDU 510	Growth And Development	3
EDU 522	Foundations of Education Seminar I	1
EDU 523	Foundations of Education Seminar II	1
EDU 535	Human Relations And Cultural Diversity	3
EDU 548	Differentiating Instruction & Literacy Strategies in Grades 7-12	3

EDU 551	Facilitating Student Learning	3
EDU 572	Action Research and Assessment for Teachers	3
EDU 575	Contemporary Teaching Methods in Your Content Area, Grades 7-12	3
EDU 583	Facilitating Student Responsibility	3
EDU 591	Clinical Practice (Student Teaching)	2
EDU 601	Instructional Technology for the Classroom	3
EDL 605	Foundations of Catholic Education	3
EDU 685	Magis Capstone: Forming Ignatian Educators	3
Total Credits		34

Courses

EDU 500. Literacy Assessment & Intervention. 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.

EDU 510. Growth And Development. 3 credits.

This course covers the theory and research literature of human development in every phase of life. Physical, cognitive, language, motor, personality, social, affective, moral, and spiritual development are considered as the course seeks to prepare students for roles in school, counseling, or therapeutic settings. P. EDU 170 or PSY 201.

EDU 521. Teaching Residency Integrated Seminar. 1 credit.

This one-credit course introduces the primary elements of the Accelerated Master's Degree Program including fundamentals of teacher professionalism, differentiation of instruction, and the residency model incorporated into the program. Teacher candidates will develop a framework for instructional practice to be implemented during the Residency and the Clinical Practice experiences. P. Admit to Teacher Residency MEd.

EDU 522. Foundations of Education Seminar I. 1 credit.

This one-credit online course introduces pivotal historical moments in US P-12 education as well as the philosophical underpinnings of educational movements throughout US history. Significant court cases and legislation related to education will be discussed. The philosophy of John Dewey, Catholic educational philosophy, Ignatian spirituality and the Ignatian Pedagogical Paradigm will be explored. Teacher ethics and legal responsibilities will be introduced. P. Admission into Education department; Graduate standing.

EDU 523. Foundations of Education Seminar II. 1 credit.

This one-credit course delves the importance of family and school community Catholic Social Teaching, the Jesuit focus on faith and justice, and contemporary pedagogy resisting oppression, including work by Paulo Freire. It reviews Jesuit spirituality from the second 1-credit seminar and introduces conversation about work-life balance. P. EDU 521, EDU 522; Admission into Education Department; Graduate standing.

EDU 525. Inclusion and Differentiation in the Elementary Classroom. 3 credits. FA, SP (Magis Designation: Ethics)

This course is designed to acquaint the regular elementary or secondary classroom teacher with inclusion and differentiation strategies. This includes the characteristics of students with mild/moderate disabilities. The course highlights discussions of diagnostic and remedial techniques for students with disabilities in the general classroom. Ethics in the school setting will also be explored. Students complete a 15-20 hour practicum under supervision of a special education teacher. P.Ethics, Education Department Consent.

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. Admission into Education Department.

EDU 541. Curriculum Design For English As A Second Language. 3 credits. OD

This course is designed to provide students with the knowledge and skills necessary for understanding and designing curricular models for P-12 students who are acquiring English as their new language. Students will learn theories of second language acquisition, English as a Second Language (ESL) legislation and issues, models of curriculum design, and language assessment.

EDU 542. Methods In English Language Learning. 3 credits. OD

This course is designed to provide students with the knowledge and skills necessary for using appropriate strategies and techniques with P-12 students who are acquiring English as their new language. Students will learn theories of second language acquisition, conduct language assessments, plan and implement lessons using bilingual/bicultural materials, and understand how to work with culturally/linguistically diverse families and interpreters.

EDU 543. Practicum In English Language Learning. 3 credits. OD

This course is the capstone for the teaching endorsement "English as a Second Language." Students will work in a P-12 school setting with students whose native language is not English. This course meets the certification requirements of the Nebraska Department of Education for a supplemental endorsement.

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.

EDU 547. Teaching Residency in Grades 7-12. 3 credits.

The course instructor will serve as an offsite supervisor for teacher residents while they complete a full-time residency in an accredited school. The instructor will work with the onsite mentor teachers to assist residents with putting into practice the specific skill set acquired in previous course work. P. EDU 521, 535, 551, 583, GRD 600.

EDU 548. Differentiating Instruction & Literacy Strategies in Grades 7-12. 1-3 credits. FA, SU

Teacher candidates and teachers will learn how to identify students with special learning needs. Teachers will also learn how to assist these students through differentiation of instruction. Application of skills will occur during a practicum in a school. This course meets the Nebraska Department of Education special education requirements. P. Graduate standing or Department consent.

EDU 551. Facilitating Student Learning. 3 credits.

Teacher candidates will be introduced to best practices for facilitating student learning. Planning for instruction and assessing student achievement will be key topics covered. The Ignatian Pedagogical Paradigm will be reviewed and teacher candidates will learn how to use this paradigm to facilitate student learning, reflection, and action. P. Admission into Education Department; Graduate standing.

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 15 clock hours of field experience will be required in conjunction with EDU 556.

EDU 557. Investigating Critical and Contemporary Trends and Issues in Early Childhood Education. 3 credits.

An in-depth study of critical trends and issues that have an impact on early childhood education today. These include but are not limited to family involvement, cultural diversity, differentiated instruction technology, and the benefits of nature and outdoor play.

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 10 hour field experience, which will allow the students to put into practice the skills they have learned throughout this course.

EDU 559. Significant Concepts for Early Childhood Education. 3 credits.

This course explores the importance integrating literacy, play, the arts, and social/emotional teaching practices in programs for children birth to age 8. Emphasis is placed on understanding the principles and practices that support young children's emerging literacy. It links the significance that oral language and early exploration has on later reading and writing skills. Focus will be placed on the role of play in influencing cognitive, social, emotional, physical, and language development. The course also identifies how the arts build interest, motivation, and learning in all curriculum areas. This course will include a 10-hour field experience, which will allow the students to put into practice the skills they have learned throughout this course.

EDU 560. Assessment, Observation, Screening and Evaluation in Early Childhood Education. 3 credits.

This course is designed to ensure candidates understand that child observation, documentation, and other forms of assessment are central to the practice of all early childhood professionals. In this course students will learn about the uses of assessment, systematic observations, screening, and other effective assessment strategies in responsible and ethical ways. As well, the students will learn how to use these assessment practices to positively influence the development of every child. To aid in the professional growth of the students this course will focus on fostering reflective practices, and special attention will be paid to the need for partnerships with parents and colleagues. Additionally, this course will allow candidates to become familiarized with some of the commonly used teacher assessment methods, in the hopes that they will be equipped to use these to improve their own teaching practices. This course will include 10 hours of field experience, which will allow students to observe and participate in various assessment practices.

EDU 561. Becoming an Early Childhood Teaching Professional. 3 credits.

This course is designed to prepare candidates to identify and conduct themselves as members of the early childhood profession. This course will place an emphasis on ethical guidelines and other professional standards related to the early childhood practice. It will encourage students to use reflection, collaboration and critical thinking skills as they pursue and attempt to assimilate new knowledge into their experiences with early childhood education. As the candidates gain an identity as an early childhood professional they will be encouraged to engage in advocacy for the young child. This course will include a 45-hour practicum, which will allow the student to put into practice all of the knowledge gained in previous ECE courses. P: EDU 556, EDU 557, EDU 558, and EDU 559. CO: EDU 560.

EDU 565. Methods Of Teaching Language Arts In Elementary School. 3 credits. FA

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. P. DC. CO: EDU 566, EDU 567, EDU 583.

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. 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. CO: EDU 565.

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, systematic 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. Satisfies Magis Designation: Oral Communications. P. 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. P. Admission into Education Dept required. CO: EDU 568.

EDU 572. Action Research and Assessment for Teachers. 3 credits. FA

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. P. Department Consent.

EDU 575. Contemporary Teaching Methods in Your Content Area, Grades 7-12. 3 credits. FA

The course instructor will serve as an instructional coach for candidates who are either completing a clinical practice experience or are teaching full-time in a Magis school. The instructor will assist candidates with completion of an assessment project and expansion of their instructional skills. Note—Candidates in the Teacher Residency MEd must satisfactorily complete EDU 547 with a grade of A or B prior to beginning this course and must take this course with EDU 591. P. EDU 548 or EDU 525; EDU 547.

EDU 583. Facilitating Student Responsibility. 3 credits. FA, SU

Teacher candidates will learn how to facilitate student learning through the use of behavioral expectations, reinforcement, procedures, and emphasizing student responsibility both for actions and for reconciliation. Specific components of the Ignatian Pedagogical Paradigm will be reinforced. CO: EDU 565.

EDU 584. Advanced Instructional Practices. 3 credits.

This seminar-style course is designed to develop teachers' skills in enhancing learning for all students by engaging them in activities that respond to their particular learning needs, strengths, and preferences. Instructional practices for differentiated instruction and culturally responsive pedagogies will be covered. Graduate students will learn about and engage in the processes of educational research. P. DC.

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). 1-14 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 undergraduate student teaching must be made before February 1 for the Fall Semester and October 1 for the Spring Semester. Residency and Magis graduate student teaching applications are considered complete upon program entry. P. DC.

EDU 593. Clinical Practice (Student Teaching) Seminar. 1 credit. 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. P. DC.

EDU 595. Restorative Justice in the Eyes of our Youth. 3 credits.

An introduction to the nature of restorative justice, community engagement, and developmental relationships, in a classroom setting, on a societal level, and in an interpersonal context. This course will survey the interplay between various systems that lead to injustice, specific behavior patterns, as well as analyze destructive and constructive human emotions, developmental relationships, and behavior. Students will be placed in metro area locations assisting youth. Students will use this practicum as an Academic Service Learning experience to help serve the community and put their Creighton and course learnings to practice. Prereq: Critical Issues in Human Inquiry course.

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. Admission into Education Department; Graduate standing.

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 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 685. Magis Capstone: Forming Ignatian Educators. 3 credits.

Course serves the capstone experience for Magis Catholic Teacher Corps participants' education and training. Students reflect on principles and practices of teaching and complete a culminating artifact of work. Coursework focuses on the Ignatian Pedagogical Paradigm, Magis' pillars of formation, and components of the program's graduate at Graduation.

EDU 692. Cultural Issues in Education. 3 credits. SU

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.

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.

Educational Leadership (M.S.)

The Master of Science (M.S.) degree in Educational Leadership prepares individuals to play a leadership role in schools. Students may choose either the Specialization in School Administration track or the Specialization in Teacher Leadership track in pursuit of the educational leadership degree. Additionally, students may decide to pursue the Magis Catholic Teacher Corps in either specialization.

The requirements for all Educational Leadership programs include a bachelor's degree with a 3.0 GPA, teaching certificate, and two years of teaching experience in a state-approved school. In addition, students will need to have a cumulative GPA of 3.0 to be admitted to the internship in the second year of the program.

M.S., Educational Leadership degree

- School Administration option (p. 88)
- Teacher Leadership option (p. 89)

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.

School Administration

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 program consists of 8-week online courses designed to provide both theoretical and practical knowledge of school administration.

M.S., Educational Leadership, School Administration Requirements (36 credits)

Code	Title	Credits
General Required Courses		
EDL 607	School Improvement	3

EDL 609	Curriculum, Instruction, and Assessment, Part I (or Sports Leadership course) #	3
EDL 610	Curriculum, Instruction, and Assessment, Part II	3
EDL 612	Special Education Leadership	3
EDL 619	School Culture	3
EDL 622	School Law *	3
EDL 624	Differentiated Supervision for Professional Growth	3
EDL 626	Strategic Resourcing *	3
EDL 639	Internship I in Elementary School Administration	3
or EDL 640	Internship I in Secondary School Administration	
EDL 643	Internship II in Elementary School Administration	3
or EDL 644	Internship II Secondary School Administration	
Choose required courses below for either Catholic School Educators or Public School Educators:		6
Required Courses for Catholic School Educators		
EDL 605	Foundations of Catholic Education *	
EDL 627	Strategic and Political Leadership in Catholic Schools *	
Required Courses for Public School Educators		
NCR 632	Effective Conflict Engagement for Educational Leaders	
EDL 614	Leading Professional Learning Communities (Or Sports Leadership course) #	
Total Credits		36

* Successful completion of the 4 specialized courses noted above (*) as part of the master's degree program will result in a Catholic School Leadership Certificate.

Successful completion of the degree, including two sports leadership courses, will result in a Sports Leadership for K-12 Athletic Directors Graduate Certificate.

Magis Catholic Teacher Corps option (39 credits)

Code	Title	Credits
EDL 605	Foundations of Catholic Education	3
EDL 607	School Improvement	3
EDL 609	Curriculum, Instruction, and Assessment, Part I	3
EDL 619	School Culture	3
EDL 627	Strategic and Political Leadership in Catholic Schools	3
EDL 610	Curriculum, Instruction, and Assessment, Part II	3
EDL 612	Special Education Leadership	3
EDL 624	Differentiated Supervision for Professional Growth	3
EDL 622	School Law	3
EDL 626	Strategic Resourcing	3
EDL 639	Internship I in Elementary School Administration	3
or EDL 640	Internship I in Secondary School Administration	
EDU 685	Magis Capstone: Forming Ignatian Educators	3
EDL 643	Internship II in Elementary School Administration	3
or EDL 644	Internship II Secondary School Administration	

Teacher Leadership Specialization (Educational Leadership)

Specialization in Teacher Leadership

This 36-credit program is designed for the individual who desires to serve as a teacher leader in roles such as instructional coach, mentor, or curriculum specialist. The program consists of 8-week online courses designed to provide both theoretical and practical knowledge of teacher leadership.

M.S., Educational Leadership, Teacher Leadership degree requirements (36 credits)

Code	Title	Credits
General Required Courses		
EDL 607	School Improvement	3
EDL 609	Curriculum, Instruction, and Assessment, Part I	3
EDL 610	Curriculum, Instruction, and Assessment, Part II	3
EDL 612	Special Education Leadership	3
EDL 613	Intervention Strategies	3
EDL 614	Leading Professional Learning Communities	3
EDL 615	Student Centered Coaching	3
EDL 616	Analyzing Student Work	3
EDL 619	School Culture	3
EDL 622	School Law	3
EDL 635	Internship I in Teacher Leadership	3
Students will take one of the following courses for 3 credits based on whether they are Catholic School Educators or Public School Educators.		3
Required Courses for Catholic School Educators		
EDL 605	Foundations of Catholic Education	
Required Courses for Public School Educators		
NCR 632	Effective Conflict Engagement for Educational Leaders	
Total Credits		36

Magis Catholic Teacher Corps option (39 credits)

Code	Title	Credits
EDL 605	Foundations of Catholic Education	3
EDL 607	School Improvement	3
EDL 609	Curriculum, Instruction, and Assessment, Part I	3
EDL 610	Curriculum, Instruction, and Assessment, Part II	3
EDL 612	Special Education Leadership	3
EDL 613	Intervention Strategies	3
EDL 615	Student Centered Coaching	3
EDL 616	Analyzing Student Work	3
EDL 619	School Culture	3
EDL 614	Leading Professional Learning Communities	3
EDL 622	School Law	3
EDL 635	Internship I in Teacher Leadership	3
EDU 685	Magis Capstone: Forming Ignatian Educators	3
Total Credits		39

Educational Specialist Areas

Customize the M.S. degree in Educational Specialist Areas by selecting two teacher specialization track options (Concentrations) from Catholic School Leadership, Early Childhood Education, English as a Second Language, Teacher Leadership, or Sports Leadership.

Students who are currently pursuing or have been awarded a Graduate Certificate in Catholic School Leadership, Early Childhood Education, English as a Second Language, Teacher Leadership, or Sports Leadership from Creighton may apply those courses toward the degree requirements to fulfill one of the two Concentrations. Students that are admitted to the M.S., Educational Specialist Areas degree program will be awarded a Graduate Certificate for their first Concentration if they were pursuing it and it was in progress at the time in which they are admitted to the master's degree program.

Students who are admitted directly into the M.S., Educational Specialist Areas will be awarded the degree upon completion of the program. Concentration Area will be included on the official transcript.

Outcomes for each Concentration track offered within the Educational Specialist Areas degree:

Early Childhood Education Concentration outcomes

- Graduates will be able to 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.
- Graduates will 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.
- Graduates will 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.
- Graduates will be able to understand and use positive relationships and supportive interactions as the foundation for their work with young children and families. Graduates will be able to 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.
- Graduates will be able to use their knowledge of academic disciplines to design, implement, and evaluate experiences that promote positive development and learning for each and every young child. Graduates will be able to 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. Graduates will be able to 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.
- Graduates will be able to 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.

Catholic School Leadership Concentration outcomes

Those who complete the Catholic school leadership certificate program are fully prepared to provide mission-centered leadership and inspire others to embrace a shared vision for the future.

- Graduates will know how to promote the distinctive mission of Catholic education
- Graduates will know to lead a school faith community and build a positive Catholic culture
- Graduates will know what the trends are in Catholic school education
- Graduates will know how to plan strategically to increase funding and enrollment
- Graduates will know how to advocate for Catholic schools and their families

Teacher Leadership track outcomes

- Graduates will become educational leaders who promote the success of all students by enabling a collaborative vision of student success, by sustaining a positive school culture, by effectively managing the school, and by responding to diverse community and political interests in the community.
- Graduates will be able to lead processes that collect and analyze information and that lead to decisions which effect change and improve the school.
- Graduates will be become school leaders whose educational values are based on the Ignatian and Education Department charisms of cura personalis, magis, men and women for and with others, and contemplation in action.
- Graduates will be able to communicate knowledge gained to specialized and non-specialized persons alike orally and in writing.
- Graduates will incorporate reflective practice and apply ethical principles such as integrity and fairness when making personal and professional decisions.

English as a Second Language (ESL also known as ELL) Concentration outcomes

- Graduates will know, understand, and use the major theories and research related to the structure and acquisition of language to help English Language Learners' (ELLs) develop language and literacy and achieve in the content areas.
- Graduates will know, understand, and use major concepts, principles, theories, and research related to the nature and role of culture and cultural groups to construct supportive learning environments for ELLs.
- Graduates will know, understand, and use evidence-based practices and strategies related to planning, implementing, and managing standards-based ESL and content instruction.
- Graduates will demonstrate understanding of issues and concepts of assessment and use standards-based procedures with ELLs.
- Graduates will keep current with new instructional techniques, research results, advances in the ESL field, and education policy issues and demonstrate knowledge of the history of ESL teaching. They use such information to reflect on and improve their instruction and assessment practices. Candidates work collaboratively with

school staff and the community to improve the learning environment, provide support, and advocate for ELLs and their families.

Sports Leadership Concentration outcomes

- Identify theories of leadership and how the theories apply to sports leadership;
- Demonstrate an understanding of current issues in sports leadership;
- Integrate Jesuit charisms and Ignatian practices into sports leadership topics

M.S., Educational Specialist Areas degree requirements (36 credits)

Choose two Concentrations from the following five options:

Early Childhood Education (Begins in fall of even years or OD)

Code	Title	Credits
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

Catholic School Leadership

Code	Title	Credits
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
2 EDL or EDU electives		6
Total Credits		18

Teacher Leadership

Code	Title	Credits
EDL 613	Intervention Strategies	3
EDL 614	Leading Professional Learning Communities	3
EDL 615	Student Centered Coaching	3
EDL 616	Analyzing Student Work	3
EDL 635	Internship I in Teacher Leadership	3
EDL 609 or EDL 610	Curriculum, Instruction, and Assessment, Part I Curriculum, Instruction, and Assessment, Part II	3
Total Credits		18

English as a Second Language (Begins in fall of odd years or OD)

Code	Title	Credits
EDU 541	Curriculum Design For English As A Second Language	3
EDU 542	Methods In English Language Learning	3

EDU 543	Practicum In English Language Learning	3
EDU 544	Framework of World Languages and Cultures	3
EDU 692	Cultural Issues in Education	3
Choice of one EDL or EDU course with guidance from advisor.		3
Total Credits		18

Sports Leadership

Code	Title	Credits
MSL 626	Failing and Failure in Leadership	3
MSL 627	Leading Champions: Lessons by and from Extraordinary Athletes and Coaches	3
MSL 628	Contemporary Issues in Sports Leadership	3
MSL 700	Foundations of Sports Leadership	3
MSL 701	Coaching and Leading Through an Ignatian Lens	3
Elective from EDU, EDL, MSL masters level courses		3
Total Credits		18

Code	Title	Credits
GRD 600	Orientation to Creighton	0
EDL 613	Intervention Strategies	3
EDL 616	Analyzing Student Work	3
EDL 614	Leading Professional Learning Communities	3
EDL 615	Student Centered Coaching	3
EDU 692	Cultural Issues in Education	3
EDU 541	Curriculum Design For English As A Second Language	3
EDU 542	Methods In English Language Learning	3
EDU 543	Practicum In English Language Learning	3
EDU 544	Framework of World Languages and Cultures	3
EDL 635	Internship I in Teacher Leadership	3
EDU 685	Magis Capstone: Forming Ignatian Educators	3
Total Credits		33

M.S., School Counseling

Program Director: Jan Powers

Graduate Study in School Counseling

This master's program is designed to equip students to become school counselors who lead, advocate and collaborate to promote equity and access for all students. In addition to intellectual understanding, the student will develop proficiency and competence in specific skills of this helping profession. This program encourages emerging skills in trauma-informed practice, transformative leadership, and cultural competence. Students in our program can look forward to this journey of growing personally and professionally as a school counselor with support from the faculty throughout the program. Upon graduation from this program, students will be qualified for certification through the Nebraska Department of Education. Most states have reciprocal certification requirements with Nebraska.

Program Goals

The School Counseling Program is approved by the Nebraska Department of Education (NDE) and accredited by the Higher Learning Commission (HLC). The program is modeled after the American School

Counseling Association (ASCA) national model and aligns with the NDE's endorsement for school counseling.

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 school 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

The Nebraska Department of Education (NDE) oversees each teacher education institution in the state. The NDE requires individuals seeking a school counselor certification without a teaching certificate to complete an additional 12 credits of teacher preparation courses. In the absence of a teaching certificate, a student in Creighton's school counseling program must complete COU 617, COU 618, COU 619 and COU 620.

Internship commences with the student completing all prerequisite coursework and culminates with the student practicing in school counseling settings. A student may not enroll in internship until the core requirements for practicum (or field experience) have been completed. Students who do not plan their 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 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.

NOTE: The Graduate Program in School Counseling is based on the standards identified within the American School Counselor Association (ASCA) national model.

PLEASE NOTE: The Nebraska Department of Education (NDE) oversees each teacher education institution in the state. The NDE requires individuals seeking a school counselor certification without a teaching certificate to complete an additional 12 credits of teacher preparation courses. In the absence of a teaching certificate, a student in Creighton's school counseling program must complete COU 617 Practicum I: Introduction to School Climate and Procedures - Year One, Fall I, COU 618 Practicum 2: Trends in School Policies and Practices - Year One, Fall II, COU 619 Practicum 3: Curriculum, Instruction, and Assessment - Year One, Spring I and COU 620 Practicum 4: Differentiated Learning: Instruction, Classroom Management and Special Education - Year One, Spring II.

All degree candidates are required to take the following required courses and choose one track:

Degree Requirements (36 credits)

Code	Title	Credits
Required Courses		
Year One		
Summer		
COU 613	Foundations of School Counseling	3
COU 605	Individual and Program Assessment in School Counseling	3
Fall I		
COU 604	Issues in Child and Adolescent Development for School Counselors	3
Fall II		
COU 603	Action Research in School Counseling	3
Spring I		
COU 606	Theoretical Perspectives in School Counseling	3
Spring II		
COU 609	Individual Planning and Counseling Techniques for School Counselors	3
Year Two		
Summer		
COU 660	Group Counseling Approaches for Children and Adolescents	3
COU 663	Diagnosis and Mental Health Issues in Children and Adolescents	3
Spring I		
COU 667	Social Justice and Diversity in School Counseling	3
Choose from one track below		9-12

Elementary School Counselor Track

Code	Title	Credits
COU 664	Issues in Elementary School Counseling (Year Two, Fall II)	3
COU 682	Internship In Elementary School Counseling (Year Two, Fall I)	3
COU 683	Advanced Internship in Elementary School Counseling (Year Two, Spring I)	3
Total Credits		9

Secondary School Counselor Track

Code	Title	Credits
COU 665	Issues in Secondary School Counseling (Year Two, Fall I)	3
COU 684	Internship in Secondary School Counseling (Year Two, Fall I)	3
COU 685	Advanced Internship in Secondary School Counseling (Year Two, Spring I)	3
Total Credits		9

PK-12 School Counselor Track

Code	Title	Credits
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

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.

Magis Catholic Teacher Corps option (39 credits)

Code	Title	Credits
COU 613	Foundations of School Counseling	3
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	3
COU 609	Individual Planning and Counseling Techniques for School Counselors	3
COU 660	Group Counseling Approaches for Children and Adolescents	3
COU 663	Diagnosis and Mental Health Issues in Children and Adolescents	3
COU 664	Issues in Elementary School Counseling	3
or COU 665	Issues in Secondary School Counseling	
COU 667	Social Justice and Diversity in School Counseling	3
COU 682	Internship In Elementary School Counseling	3
or COU 683	Advanced Internship in Elementary School Counseling	
COU 684	Internship in Secondary School Counseling	3
or COU 685	Advanced Internship in Secondary School Counseling	
EDU 685	Magis Capstone: Forming Ignatian Educators	3

Courses

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.

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.

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.

COU 606. Theoretical Perspectives in School Counseling. 3 credits.

An overview of counseling and career development theories to help students develop their theoretical orientation to school counseling.

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.

COU 613. Foundations of School Counseling. 3 credits.

Provide orientation to professional school counseling using the ASCA national Model and ASCA Ethical Model.

COU 617. Practicum I: Introduction to School Climate and Procedures. 3 credits.

COU 617, COU 618, COU, 619 and COU 620 - Practicums 1-4 are required of students who enter the program without a teaching certificate and require students to accrue a total of 100 hours in a school setting by the end of the first year in the program. Practicum hours will provide student with required tasks to acquaint them with the culture of the school.

COU 618. Practicum 2: Trends in School Policies and Practices. 3 credits.

COU 617, COU 618, COU, 619 and COU 620 - Practicums 1-4 are required of students who enter the program without a teaching certificate and require students to accrue a total of 100 hours in a school setting by the end of the first year in the program. Practicum hours will provide student with required tasks to acquaint them with the culture of the school.

COU 619. Practicum 3: Curriculum, Instruction, and Assessment. 3-4 credits.

COU 617, COU 618, COU, 619 and COU 620 - Practicums 1-4 are required of students who enter the program without a teaching certificate and require students to accrue a total of 100 hours in a school setting by the end of the first year in the program. Practicum hours will provide student with required tasks to acquaint them with the culture of the school.

COU 620. Practicum 4: Differentiated Learning: Instruction, Classroom Management and Special Education. 3-4 credits.

COU 617, COU 618, COU, 619 and COU 620 - Practicums 1-4 are required of students who enter the program without a teaching certificate and require students to accrue a total of 100 hours in a school setting by the end of the first year in the program. Practicum hours will provide student with required tasks to acquaint them with the culture of the school.

COU 660. Group Counseling Approaches for Children and Adolescents. 3 credits.

An overview of the knowledge and skills necessary to conduct successful small and large group counseling for children and adolescents.

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.

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.

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.

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.

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

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.

COU 683. Advanced Internship in Elementary School Counseling. 3 credits. SP

This is a continuation of COU 682 and will culminate in the accumulation of the hours and experiences necessary for program completion.

COU 684. Internship in Secondary School Counseling. 3 credits. FA

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.

COU 685. Advanced Internship in Secondary School Counseling. 3 credits. SP

This is a continuation of COU 684 and will culminate in the accumulation of the hours and experiences necessary for program completion.

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.

BA or BS/Master of Education in Secondary School Teaching Accelerated Program

Accelerated Master's Program (AMP): B.A. or B.S., Major in Endorsement Area / Master of Education in Secondary School Teaching (MEd)

The accelerated degree program for students in either a Bachelor of Arts or Bachelor of Science degree majoring in Art, English Language Arts, Secondary English, History, Mathematics, Religious Education (Theology), Science (Biology, Chemistry, or Physics), Social Science or Spanish (Spanish or Hispanic Studies) will allow students to begin earning credits toward the Master of Education in Secondary School Teaching program during their final semesters in the Bachelor degree program.

Degree Requirements

1. B.A./B.S. degree requirements (<http://catalog.creighton.edu/undergraduate/undergraduate-curriculum-degree-requirements/>)

2. Endorsement Area (Declared Major) in one of the following:

- Art (Art (<http://catalog.creighton.edu/undergraduate/arts-sciences/fine-performing-arts/studio-art-ba/>))
- English Language Arts (English (<http://catalog.creighton.edu/undergraduate/arts-sciences/english/english-ba/>))
- Secondary English (English (<http://catalog.creighton.edu/undergraduate/arts-sciences/english/english-ba/>))
- History (History (<http://catalog.creighton.edu/undergraduate/arts-sciences/history/history-ba/>))
- Math (Mathematics (<http://catalog.creighton.edu/undergraduate/arts-sciences/mathematics/mathematics-bs/>))
- Religious Education (Theology (<http://catalog.creighton.edu/undergraduate/arts-sciences/theology/theology-ba/>))
- Science (Biology (<http://catalog.creighton.edu/undergraduate/arts-sciences/biology/#majorstext>), Chemistry (<http://catalog.creighton.edu/undergraduate/arts-sciences/chemistry/chemistry-generalist-bs/>), or Physics (<http://catalog.creighton.edu/undergraduate/arts-sciences/physics/physics-bs/>))
- Social Science (History (<http://catalog.creighton.edu/undergraduate/arts-sciences/history/history-ba/>))
- Spanish (Spanish and Hispanic Studies (<http://catalog.creighton.edu/undergraduate/arts-sciences/modern-languages/spanish-hispanic-studies-professional-ba/>))

3. Remaining Master of Education in Secondary School Teaching (MEd) (p. 83) requirements

Course	Title	Credits
Junior Spring		
EDU 170	Diversity and Justice in Education	3
Term Credits		3
Senior Fall		
EDU 548	Differentiating Instruction & Literacy Strategies in Grades 7-12	3
EDU 595	Restorative Justice in the Eyes of our Youth	3
Term Credits		6
Spring		
EDU 510	Growth And Development	3
Term Credits		3
Total Credits		12

B.S.-Elem Edu/M.S.-Edul Specialist Areas

Accelerated Master's Program (AMP): B.S., Elementary Education / M.S., Educational Specialist Areas

The accelerated degree program for students in the B.S., Elementary Education program will allow students to begin earning credits toward the M.S., Educational Specialist Areas program during their final semesters in the B.S., Elementary Education degree program.

Degree Requirements

1. B.S., Elem Ed requirements (<http://catalog.creighton.edu/undergraduate/arts-sciences/education-counselor-education/elementary-education-bs/>)
2. Plan of Study below will begin during undergraduate program. AMP courses in either Early Childhood Education or English as a Second Language are taken online in 8 week sessions (2 per semester).
3. Remaining MS, Educational Specialist Areas requirements (p. 90) can be completed after graduation.

Course	Title	Credits
Junior		
Fall		
Sample - see Program Director for details		
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 583	Facilitating Student Responsibility	3
Two 8-week online graduate courses of AMP (ECE or ESL- see choices below)		6
Term Credits		18
Spring		
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 525	Inclusion and Differentiation in the Elementary Classroom	3
EDU 500	Literacy Assessment & Intervention	3
Two 8-week online graduate courses AMP (ECE or ESL)		6
Term Credits		18

Senior		
Fall		
EDU 591	Clinical Practice (Student Teaching)	3-14
Term Credits		3-14
Spring		
Magis Core Ultimate Questions		3
Electives		6
EDU 584	Advanced Instructional Practices	3
Term Credits		12
Total Credits		51-62

* AMP Choices: Early Childhood Endorsement and Certificate, English as a Second Language Endorsement and Certificate, Teacher Leadership Certificate, Catholic Schools Leadership Certificate.

1.

Catholic School Leadership Graduate Certificate

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.

Graduate Certificate in Catholic School Leadership requirements (12 credits)

Code	Title	Credits
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

Note: The courses required for the above certificate may be applied to fulfill a Concentration in the Master of Science, Educational Specialist Areas degree for students who wish to apply for the M.S., Educational Specialist Areas.

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.

1. 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.

3. Strategic Leadership

1. Knows current trends and directions in Catholic school education.
2. Inspires all toward a shared vision for the future.
3. Initiates, monitors, and evaluates the strategic planning process to fulfill the school's mission, actualize its vision, and position the school for the future – (e.g., marketing, student recruitment).
4. Promotes innovation, change, and collaboration in achieving the Catholic educational mission.
5. Creates a development plan that explores additional sources of revenue (e.g., alumni giving, grants).

4. Educational Leadership

1. Inspires and leads the school community toward educational excellence.
2. Fosters a professional learning community that values lifelong learning and involves families.
3. Recruits, selects, supervises, and evaluates school personnel in light of mission.
4. Ensures that Catholic teaching and religious values are infused throughout the educational program.
5. Provides for a high quality religious education program staffed by qualified teachers.

5. Community and Political Leadership

1. Positively influences relationships between the school and its communities.
2. Uses public relations strategies to promote the school and its mission to all publics.
3. Advocates the support of Catholic schools by the entire Catholic community.
4. Collaborates and networks with others who share in the mission of Catholic education.
5. Works with the archdiocese, local public school district, other government agencies, and school parents to access available public funds.
6. Mobilizes school community to seek additional public funding.

6. Organizational Leadership

1. Understands site-based management in relation to Catholic schools.
2. Understands Catholic school governance structures especially the role of the parish pastor, pastoral council, parish finance committee, school board, Catholic Schools Office, and state Department of Education.
3. Promotes shared leadership in school administration and governance.
4. Demonstrates effective stewardship of school resources.
5. Understands school law, public policy, and school safety as it applies to Catholic schools.

Early Childhood Education Graduate Certificate

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.

Early Childhood Education Graduate Certificate requirements (18 credits)

Code	Title	Credits
Take each of the following courses:		
GRD 600	Orientation to Creighton	0
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

Note: The courses required for the above certificate may be applied to fulfill a Concentration in the Master of Science, Educational Specialist Areas degree for students who wish to apply for the M.S., Educational Specialist Areas.

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.

speaking homes and backgrounds, and typically require specialized or modified instruction in both the English language and in their academic courses. Hence, this program addresses “diversity” and “diverse cultures” with an emphasis on the differences these bring to our society. Many of the assignments will enhance the candidates knowledge and skills by presenting the students with opportunities to research, understand, reflect, and interact with the multiple dimensions of diversity, including, but not limited to ethnicity, exceptionality, religion, educational status, socioeconomic status, age, and geographical location. The Education Department advocates the Jesuit charisms of: *cura personalis*, *magis*, men and women for and with others, contemplation in action, and finding God in all things. These charisms will be introduced within this program, interwoven into all of the courses content and reflections, and authentically assessed through identification of effective teaching practice. Although interwoven throughout all of the program content, two of the four themes within the courses relate directly to the charisms: students and their context (*cura personalis*) and reflective practice as the students contemplate and use this thinking to make changes to curriculum and methodologies. These charisms speak directly to the tenets of effective education and the Catholic, Jesuit mission and tradition embodied in social justice and human dignity.

Certificate Requirements:

Code	Title	Credits
EDU 542	Methods In English Language Learning	3
EDU 541	Curriculum Design For English As A Second Language	3
EDU 543	Practicum In English Language Learning	3
EDU 544	Framework of World Languages and Cultures	3
EDU 692	Cultural Issues in Education	3
Total Credits		15

Note: The courses required for the above certificate may be applied to fulfill a Concentration in the Master of Science, Educational Specialist Areas degree for students who wish to apply for the M.S., Educational Specialist Areas.

K-12 Educational Leadership through Sports Graduate Certificate

K-12 Educational Leadership Through Sports Graduate Certificate

Program Directors: Ann Mausbach, PhD; Gretchen Oltman, JD, PhD
Admission Requirements

Any currently enrolled Creighton graduate student in good standing may apply to the graduate certificate program in sports leadership. Students may also apply as new students to Creighton and must meet the minimum requirements for admission to Creighton’s Graduate School. These include:

- a. an earned bachelor’s degree or equivalent from an accredited college or university.
- b. an earned GPA of 3.0 or higher
- c. for international applicants, a demonstrated proficiency in English by submitting a minimum TOEFL score of 90 iBT (557 PBT) or a minimum IELTS overall band score of 6.5 (no sub score lower than 6).
- d. two years of work experience or a related life experience to demonstrate leadership capacity

English as a Second Language Graduate Certificate

English as a Second Language Graduate Certificate: (15 Credits)

The English as a Second Language (ESL or ELL)Track (online) has been designed to develop much needed expertise in professionals working with children who are unable to communicate fluently or learn effectively in English. Many of these students often come from non-English-

Learning Outcomes

1. Integrate Jesuit charisms and Ignatian practices into sports leadership topics
2. Understand how sports leadership integrates into the overall improvement and culture of a school
3. Identify how to use resources strategically

Certificate Requirements: (15 credits)

Code	Title	Credits
Required:		
EDL 607	School Improvement	3
EDL 619	School Culture	3
Please note: EDL 627 is for Catholic School Educators and EDL 626 is for Public School Educators		
EDL 627	Strategic and Political Leadership in Catholic Schools	3
or EDL 626	Strategic Resourcing	
Choose 2 of the following:		6
MSL 626	Failing and Failure in Leadership	
MSL 627	Leading Champions: Lessons by and from Extraordinary Athletes and Coaches	
MSL 628	Contemporary Issues in Sports Leadership	
MSL 700	Foundations of Sports Leadership	
MSL 701	Coaching and Leading Through an Ignatian Lens	
MSL 702	Ethics, Sport, and Leadership	
Total Credits		15

Sports Leadership Graduate Certificate

Graduate Certificate in Sports Leadership: 15 Credits

Admission Requirements

Students admitted to this graduate certificate program must meet the following requirements:

- Bachelor's degree from a regionally accredited college or university;
- demonstration of satisfactory writing ability;
- demonstration of appropriate academic preparation of applicant;
- admission to Graduate School;
- a demonstrated GPA of 3.0 or above;
- minimum TOEFL score or personal interview to assure language proficiency for international students

Certificate requirements (15 credits)

Code	Title	Credits
MSL 626	Failing and Failure in Leadership	3
MSL 627	Leading Champions: Lessons by and from Extraordinary Athletes and Coaches	3
MSL 628	Contemporary Issues in Sports Leadership	3
MSL 700	Foundations of Sports Leadership	3
MSL 701	Coaching and Leading Through an Ignatian Lens	3
Total Credits		15

Note: The courses required for the above certificate may be applied to fulfill a Concentration in the Master of Science, Educational Specialist Areas degree for students who wish to apply for the M.S., Educational Specialist Areas.

Teacher Leadership Graduate Certificate

Teacher Leadership Graduate Certificate: 15 Credits

The Certificate in Teacher Leadership is designed for people who want to take on leadership roles but aren't interested in becoming a principal. This strand is designed so that people can add principal certification later on. The courses for this certificate are already a part of the EDL Masters in Teacher Leadership. This 15-credit certificate will be attractive to students who do not want to commit to a full master's program, but need support in taking a teacher leader role in their school.

Admission Requirements

Students admitted to this graduate certificate program must meet the following requirements:

- Bachelor's degree or higher from an accredited college or university;
- an earned GPA of 3.0 or higher;
- for international applicants, a demonstrated proficiency in English by submitting a minimum TOEFL score of 90 iBT (557 PBT) or a minimum IELTS overall band score of 6.5 (no sub score lower than 6);
- two years of work experience or a related life experience to demonstrate leadership capacity

Certificate Requirements:

Code	Title	Credits
EDL 613	Intervention Strategies	3
EDL 614	Leading Professional Learning Communities	3
EDL 615	Student Centered Coaching	3
EDL 616	Analyzing Student Work	3
EDL 635	Internship I in Teacher Leadership	3
Total Credits		15

Note: The courses required for the above certificate may be applied to fulfill a Concentration in the Master of Science, Educational Specialist Areas degree for students who wish to apply for the M.S., Educational Specialist Areas.

Theology for Catechesis Graduate Certificate

Theology for Catechesis Graduate Certificate: 18 Credits

The Certificate in Theology for Catechesis is embedded in programs in both the Education Department and Theology Dept. In the Education Department, the 18 credit certificate can combine with any one of four other certificates: Early Childhood Education, Catholic School Leadership, Teacher Leadership and English Language Learner/English as a Second Language resulting in 36 credit MS in Educational Specialist Areas.

This certificate is a component of formal partnerships with Catholic dioceses. A student who earns the 18 credit Certificate in Theology for Catechesis, could continue their education at Creighton by putting all 18

of those credits towards a 46 credit Master of Arts, Ministry/NCR, the dual degree in Ministry and Conflict engagement and Conflict Resolution, or a 24 credit "Religious Education Endorsement" offered by the State of Nebraska, the only state in the United States to certify religious instruction.

Required Courses:

Code	Title	Credits
Required Courses		
GRD 600	Orientation to Creighton	0
MAM 676	Theology and Catechesis	3
MAM 675	Orientation to Study and Ministry (Optional 1 credit on-campus seminar)	
Theology and Catechesis		6
MAM 660		
Choose one course from the following:		
EDU 586	Special Topics in Education	
EDU/THL 587	Methods Of Teaching Religion In Elementary School	
Doctrine/History		3
Choose one course from the following:		
MAM 630	Christology	
MAM 761	Historical Development of Fundamental Doctrine	
Morality		6
THL 565		Catholic Social Teaching
Choose one course from the following:		
MAM 650	Moral Theology and Decision Making	
MAM 680	Ministerial Ethics and Leadership Skills	
Total Credits		18

Master of Finance (MFIN)

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 learning Goals and student learning outcomes

As guided by our mission and identity statements, the program learning goals (PLGs) and student learning outcomes (SLOs) below are written to reflect our beliefs about the attributes of business leaders who exemplify the Jesuit ideals.

Creighton-formed business leaders will:

PLG 1: Exhibit disciplinary knowledge and behavior essential in financial management.

SLO 1A: Demonstrate knowledge of essential basics of economics, statistics, financial analysis and financial instruments.

SLO 1B: Apply valuation models to estimate the value of financial assets.

SLO 1C: Apply advanced business concepts to make intelligent decisions in a business situation.

PLG 2: Think critically to aid decision-making.

SLO 2A: Analyze the strategic elements of a comprehensive, multidisciplinary business situation and propose a course of action.

SLO 2B: Interpret and synthesize data used in investment analysis.

PLG 3: Commit to action that demonstrates care for others.

SLO 3A: Analyze a business ethics situation and propose a course of action.

SLO 3B: Communicate respectfully and effectively.

SLO 3C: Demonstrate an understanding of the importance of working effectively and in solidarity across the distinctions of human diversity.

PLG 4: Exhibit personal habits consistent with personal formation.

SLO 4A: Demonstrate deliberative reflection for lifelong personal and professional formation.

Admission

- 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:
- 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.
- 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.
- 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.
- Graduate Management Admissions Test (GMAT):** The Graduate Management Admission Test (GMAT) is not required for applicants who have work experience and a minimum 3.00 cumulative GPA across all institutions attended. If the applicant's cumulative GPA is less than 3.00, the GMAT is required. For applicants without work experience, and for all applicants to the MIMFA and MFIN programs, a minimum 3.50 cumulative GPA is required for the GMAT waiver. All international students whose undergraduate degree was not granted by a US institution will be required to submit a GMAT score. Regardless of the applicant's cumulative GPA, the admissions committee reserves the right to require an applicant to submit a GMAT score if there are concerns regarding the applicant's

work experience and/or the student's achievement across all math, statistics, economics and finance courses previously completed.

6. **Test of English as a Foreign Language:** The Graduate School requires all students who are native speakers of languages other than English to demonstrate competence in English. International applicants who received their baccalaureate degree from an accredited institution from the following countries are not required to show proficiency in English; Australia, Canada, Barbados, Bahamas, Bermuda, British Virgin Islands, Cayman Islands, Dominica, Grenada, Guam, Ireland, Jamaica, Marshall Islands, New Zealand, St. Kitts, St. Lucia, Scotland, Singapore, Trinidad and Tobago, United Kingdom, United States, and Virgin Islands. There are 3 test scores that can be used to demonstrate competence in English. Only one of the three must be provided. 1) **TOEFL:** score of 90 or above on the Internet-based Test (TOEFL iBT) with no section below 20. 2) **IELTS:** overall band score of at least 6.5 with no section below 6. 3) **Duolingo:** score of 110 or above.
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.

Degree Program

- Master of Finance (MFin) (p. 101)
- MFin/MBA Dual Degree (p. 59)

Professors: Lee M. Dunham, Ernest Goss, Randy Jorgensen, N. Vasudeva Murthy, Kenneth M. Washer, John Wingender

Associate Professors: Charles Braymen, Melissa Woodley

Assistant Professors: Tirimba Obonyo

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 703 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 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 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 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.

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.

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 711.

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.

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 703.

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 741.

MIM 734. Equity Analysis. 3 credits.

A study of the concepts and techniques that are basic to the valuation of equity securities. P. MBA 711, MIM 724.

MIM 740. Portfolio Management. 3 credits.

This course focuses on the theory and practice of modern portfolio management. Major topics will include modern portfolio theory, asset allocation, active and passive investment strategies, and performance evaluation and attribution. Students will study the proper construction and evaluation of portfolios for individuals and institutions and apply these concepts in a variety of contexts. P. To be completed in the last 9 hours of degree program of study.

Master of Finance

The Master of Finance program is offered online.

Master of Finance degree requirements (33 credits)

Code	Title	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 (Take 712 if 711 is waived)	3
or MBA 712	Advanced Managerial Finance	
MBA 771	Leadership and Organizational Behavior	3
MIM 740	Portfolio Management	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	
MBA 741	Economic Analysis for Managers	
MBA 742	Seminar in Applied Managerial Economics	
Elective Group II (3 hours)		
Students must choose one of the following courses:		
MIM 720	Ethical and Professional Standards	
MBA 776	Business, Ethics and Society	
Elective Group III (3 hours)		
Students must choose on elective from Heider graduate offerings (subject to MFIN Director approval)		
Total Credits		33

MBA/MFin Dual Degree

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.

MBA/Master of Finance Dual Degree Requirements(48 Credits):

Code	Title	Credits
MFin Core (18 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
MIM 740	Portfolio Management	3
MBA 711	Managerial Finance	3
or MBA 712	Advanced Managerial Finance	
MBA Core		
MBA 771	Leadership and Organizational Behavior	3
MBA 775	Business Policy And Managerial Action	3
BIA 762	Survey of Business Intelligence and Analytics	3
MBA Functional Core		
MBA 703	Accounting for Managers	3
MBA 761	Marketing Management	3
or MBA 767	Marketing Dynamics Seminar	
Elective Group #1		3
Students must choose from one of the following:		
MIM 732	Economics of Investment Management	
MBA 741	Economic Analysis for Managers	
MBA 742	Seminar in Applied Managerial Economics	
Elective Group #2		3
Students must choose from one of the following:		
MIM 720	Ethical and Professional Standards	
MBA 776	Business, Ethics and Society	
Elective Group #3		3
Students must choose one elective from MBA finance or MIM offerings (subject to MFIN Director approval)		
Electives		6
Students must select one course from two of the following functional areas: accounting, economics, BIA or marketing.		
Total Credits		48

Government Organization and Leadership (GOAL)

Executive Director: Craig Dallon, J.D.

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

- J.D./M.S.-GOAL Dual Degree Program (p. 103)

GOL 615. Seminar in Interdisciplinary Leadership Theory. 3 credits.

This course focuses on the field of leadership in interdisciplinary contexts to enhance students' proficiency in facilitating organization-and system-wide improvements. Leadership theories and practices are related to emerging interdisciplinary approaches to promote students' knowledge, skills, and ability hierarchies, varied job roles, and diverse expertise. Through examination of theoretical perspectives and interdisciplinary work, students will develop an ability to integrate the contributions of different points of view and ways of thinking crucial to effectively lead high performing organizations in a dynamic world.

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 690. Applied Political Philosophy in Governance. 2 credits. FA

This workshop focuses on current issues in government. The course looks at current events in the news relating to government. The course also focuses on understanding the teachings of leading social and political philosophers such as Plato, Locke, Hume, Rousseau, Mill, and others. Students are required to write a paper on a current political, social, or economic problem that could be addressed by government action. The paper completed for this course satisfies the major paper requirement for the MS 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.

JD/MS-Government Organization and Leadership Dual Degree

Program Mission and Goals

The JD/MS-GOAL program is designed as a dual-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 dual JD/MS-GOAL degrees.

Program of Study

The degree is a Master of Science in Government Organization and Leadership (MS-GOAL). This degree is only available to students who are enrolled in law school and pursuing their JD degree. This degree requires completion of 35 credit hours, including an externship in Washington D.C. and a major paper. Thirteen credit hours may be satisfied by courses taken for the JD degree. Five 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 classes, participate in conferences, networking events, and other opportunities as they arise. Students must maintain a cumulative grade point average of at least 2.0 to remain in the program.

MS-GOAL Degree Program requirements (35 Credits)

Code	Title	Credits
Required Courses		
LAW 307	Administrative Law	3
LAW 406	State and Local Governments in a Federal System	3
GOL 615	Seminar in Interdisciplinary Leadership Theory	3
GOL 690	Applied Political Philosophy in Governance	2
GOL 670	Government Organization and Research	1
GOL 720	Ethics in Government	2
Courses taken Fall semester, 3rd year of Law School.		
GOL 710	Counsel Roles and Leadership in Government Agencies	3
GOL 730	Externship Program	11
Electives		
Select at least 7 credits of elective courses from the following. These 7 courses count toward both the J.D. and M.S. degrees.		
LAW 309	Comparative Constitutional Law	
LAW 311	Advanced Constitutional Law	
LAW 339	Copyrights	
LAW 346	Employment Discrimination	
LAW 347	Health Care Insurance Law	
LAW 349	Environmental and Natural Resources Law	
LAW 350	Elder Law	
LAW 351	Estate and Gift Taxation (Federal)	
LAW 354	Energy Law	
LAW 359	Food & Drug Law	
LAW 361	Federal Courts: Jurisdiction and Procedure of the District Courts	
LAW 362	Current Topics in Public Health Law	
LAW 363	Federal Income Taxation	
LAW 366	First Amendment Freedom of Speech	
LAW 368	Health Information Privacy	
LAW 370	Immigration Law	
LAW 376	Health Care Organizations	
LAW 379	Climate Change & International Environmental Law	
LAW 380	Mergers and Acquisitions	
LAW 382	International Criminal Law	
LAW 387	Land Use Law	
LAW 389	Race and Law	
LAW 397	Cyberlaw	
LAW 398	Employment Law	
LAW 402	Law of Armed Conflict	
LAW 403	Native American Law	
LAW 413	Patent Law	
LAW 423	International Law	
LAW 432	Education Law	
LAW 436	Securities Regulation	
LAW 440	Trademarks and Unfair Competition	
LAW 459	White Collar Crime	
Total Credits		35

Courses

GOL 615. Seminar in Interdisciplinary Leadership Theory. 3 credits.

This course focuses on the field of leadership in interdisciplinary contexts to enhance students' proficiency in facilitating organization-and system-wide improvements. Leadership theories and practices are related to emerging interdisciplinary approaches to promote students' knowledge, skills, and ability hierarchies, varied job roles, and diverse expertise. Through examination of theoretical perspectives and interdisciplinary work, students will develop an ability to integrate the contributions of different points of view and ways of thinking crucial to effectively lead high performing organizations in a dynamic world.

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 690. Applied Political Philosophy in Governance. 2 credits. FA

This workshop focuses on current issues in government. The course looks at current events in the news relating to government. The course also focuses on understanding the teachings of leading social and political philosophers such as Plato, Locke, Hume, Rousseau, Mill, and others. Students are required to write a paper on a current political, social, or economic problem that could be addressed by government action. The paper completed for this course satisfies the major paper requirement for the MS 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.

Health Informatics

According to the American Medical Informatics Association, health informatics is "the science of how to use data, information and knowledge to improve human health and the delivery of healthcare services." The Creighton Health Informatics Program develops a health data informed workforce focused on the utility of data to improve health care delivery. With the proliferation of value-based payments, population health and social determinants of health, the health informatics program will collaborate with industry partners to ensure a cutting-edge program that not only prepares graduates for an innovative environment but for themselves to innovate to meet industry demands and address societal needs to improve health care.

Master of Science, Health Informatics (36 Credits)

The Master of Science degree in Health Informatics program is designed to offer students a broad, interdisciplinary, and critical understanding of informatics and analytics within the healthcare context. Health informatics is an interdisciplinary field that analyzes biomedical data for improved decision making in healthcare. Health informatics brings together the fields of computer science and data analytics to study the processes for the generation, storage, retrieval, use, and management of health data. The program highlights the social and ethical as well as the technological dimensions of this rapidly evolving professional field. The program will be of interest to students intending to pursue careers

at the intersection of healthcare and technology, it will also appeal to any graduate student interested in examining larger questions about healthcare analytics from an interdisciplinary perspective, including the role of data to understand social and cultural dimensions of health care.

Degree Requirements (36 Credits):

Code	Title	Credits
Required courses:		
HIF 601	Introduction to Health Informatics	3
HIF 603	Introduction to Analytics in Health Informatics	3
HIF 605	Advanced Analytics in Health Informatics	3
HIF 635	Data Governance	3
HIF 640	Data Management	3
HIF 710	Systems Analysis & Design	3
BIA 770	Cybersecurity	3
HIF 785	Leadership and Business Principles for Health Informatics	3
HIF 790	Health Informatics Capstone	3
Electives - Choose three courses:		9
BIA 742	Predictive Analytics	
BIA 746	Applications of Optimization Modeling	
BIA 772	Data Visual Analysis and Visualization	
HIF 655	Machine Learning in Health Informatics	
HIF 755	Generative AI in Health Informatics	
MPH 601	Organization and Management of Public Health Services	
MPH 605	Epidemiology	
MPH 608	Health Communication and Informatics	
MPH 633	Health Economics and Finance	
MPH 707	Introduction to Mixed Methods	
MSL 626	Failing and Failure in Leadership	
Total Credits		36

Graduate Certificate in Health Informatics (12 Credits)

Certificate Requirements (12 Credits)

Code	Title	Credits
Required courses:		
HIF 601	Introduction to Health Informatics	3
HIF 710	Systems Analysis & Design	3
HIF 785	Leadership and Business Principles for Health Informatics	3
Elective (choose one from below):		3
BIA 742	Predictive Analytics	
BIA 746	Applications of Optimization Modeling	
BIA 772	Data Visual Analysis and Visualization	
HIF 655	Machine Learning in Health Informatics	
HIF 755	Generative AI in Health Informatics	
MPH 601	Organization and Management of Public Health Services	
MPH 605	Epidemiology	
MPH 608	Health Communication and Informatics	
MPH 633	Health Economics and Finance	

MPH 707 Introduction to Mixed Methods

MSL 626 Failing and Failure in Leadership

Total Credits 12

Courses

HIF 601. Introduction to Health Informatics. 3 credits.

This course offers a thorough introduction to information processing, searching & organization, and analysis of information. This survey course will provide an overview of Health IT Infrastructure, Internet based access, ethics & economics of information, and change management in a healthcare setting.

HIF 603. Introduction to Analytics in Health Informatics. 3 credits.

Introduces the fundamentals of statistical inference as used in health informatics. Discussion topics will include probabilistic models, random variables, and the central limit theorem. Further the statistical inference will be discussed from point and confidence interval estimation, within the context of hypothesis tests, and using linear regression models.

HIF 605. Advanced Analytics in Health Informatics. 3 credits.

A course in computer programming and problem solving, with an emphasis on designing and developing solutions to real-world problems (such as system modeling, data analysis, and multimedia processing). Specific topics include data standards, algorithm development, basic control structures, simple data types and data structures.

HIF 635. Data Governance. 3 credits.

In this survey style course, students will discuss both historical and current healthcare IT law and policy to include regulatory frameworks, system evaluation, the impact of the internet on healthcare data, data request processes, and data governance issues within the healthcare field.

HIF 640. Data Management. 3 credits.

The course provides an in-depth look at IT systems architecture, security, and networking within current health information systems and applications to include management and mining of data, data extraction, and security issues.

HIF 655. Machine Learning in Health Informatics. 3 credits.

The course covers basic statistical principles of supervised machine learning, as well as some common algorithmic paradigms to improve health care decision making, clinical decision support and care process improvements. Ethics of Artificial Intelligence including risk of bias will also be discussed.

HIF 710. Systems Analysis & Design. 3 credits.

This course focuses on the human computer interaction and human factors engineering. A specific focus is how Interface design impacts usability. The class will investigate workflow analysis and redesign, healthcare decision support and clinical guidelines along with distributed health care information technologies.

HIF 755. Generative AI in Health Informatics. 3 credits.

This course covers key AI concepts with an emphasis on ethical considerations. Students will learn deep neural network algorithms, practical AI healthcare applications, and efficient problem-solving methods, while consistently addressing ethical implications to ensure responsible and sustainable solutions. The course introduces students to the core concepts of generative AI, focusing on generative adversarial networks, autoencoders, recurrent neural networks, reinforcement learning, and large language models. TensorFlow will be used to build hands-on applications. It covers the mathematical principles essential for understanding natural language processing models. Students will create predictive models using reinforcement learning and deep Q-learning and evaluate large language models. The course equips students with the necessary skills to navigate the field of AI, emphasizing practical experience in model evaluation and the development of robust AI systems using Python. P. HIF 655.

HIF 785. Leadership and Business Principles for Health Informatics. 3 credits.

This course will explore contemporary trends in today's volatile and complex healthcare/higher education organizations (micro, meso, macros levels) with an analysis of theories and executive/manager competencies that contribute to positive outcomes. Students examine innovation, change, psychological safety, and communication strategies that maximize human potential and organizational success.

HIF 790. Health Informatics Capstone. 3 credits.

Health informaticists need to be able to support the utility of health data to improve healthcare. In the capstone, students will work with a health-related dataset to design a project with the intent of application of skills from the didactic curriculum to prepare for a career as a health informaticist. Students are expected to design and implement the project with mentorship and present their final product to gain skills in ensuring data has meaningful impact.

Healthcare Educator Teaching and Learning Graduate Certificate

Program Director: Debra J. Ford, PhD

This program is currently undergoing program review and not accepting applications.

This certificate program is for healthcare providers and professionals who wish to contribute to the successful education of students in the health professions.

Learning outcomes

Upon completion of this certificate students will:

1. Appraise and apply adaptive learning concepts in both teaching and learning.
2. Demonstrate effective leadership strategies for the healthcare professional.
3. Analyze the higher education environment in relation to healthcare education.
4. Apply teaching and learning theories, methods, and skills attained during the program in contemporary health care.

Healthcare Educator Teaching and Learning Graduate Certificate Requirements (15 credits)

Code	Title	Credits
ILD 819	The American Professoriate: A Faculty Perspective	3
ILD 829	Leadership in the Health Professions	3
ILD 841	Teaching Internship	3
ILD 845	Learning in the Health Professions: Strategies for Developing the Master Adaptive Learner	3
Elective (Determined by student to best meet their learning goals)		3
Total Credits		15

ILD 819. The American Professoriate: A Faculty Perspective. 3 credits.

This course will examine contemporary faculty issues in post-secondary institutions from the perspective of a faculty member. The course includes an assessment of the current status of faculty in the United States, faculty workloads, performance reviews, and structuring professional development activities and special topics. Toward this end, the professoriate will be explored to include: 1) current conditions of the professoriate, 2) academic careers and the stages of an academic, 3) faculty culture, including academic freedom and tenure, 4) faculty work, 5) health professions faculty, and 6) special topics selected on the basis of the students' need and interest assessment.

ILD 829. Leadership in the Health Professions. 3 credits.

This course will explore contemporary trends in today's volatile and complex health care/higher education organizations (micro, meso, macros levels) with an analysis of theories and executive/manager competencies that contribute to positive outcomes. Students examine innovation, change, psychological safety, and communication strategies that maximize human potential and organizational success.

ILD 841. Teaching Internship. 3 credits.

This course investigates best practices in healthcare environments for planning and developing student-centered educational and clinical activities as well as principles of effective teaching. Through this course, students will gain advance skills and knowledge in application of techniques and principles relating to instruction in the student's area of specialization. Students may teach a continuing education course or a didactic/lab course with the support of a mentor who will work closely with the student in the development of course materials, content and presentation/facilitation. Teaching may be done face-to-face or as part of an online delivery method. Interdisciplinary Leadership students may also take this course as an elective in the EdD program.

ILD 845. Learning in the Health Professions: Strategies for Developing the Master Adaptive Learner. 3 credits.

This course will use a master adaptive learner (MAL) framework as model for the integration of key learning theories and concepts in health professions education. Learning in the health professions is progressive development of expertise across a career including building formal and clinical knowledge, clinical reasoning abilities, and clinical performance. Central to all of the health professions education is self-directed lifelong learning. The course will examine application of learning theories to the learner, teacher, and the clinical learning environment. The MAL framework will be used as a conceptual model (planning, learner engagement, assessment, and adjusting) to investigate the development and assessment of a master adaptive learner.

Healthcare Management

Graduate Certificate in Healthcare Management

Program Director: Dhitinut Ratnapradipa, PhD

Admissions Requirements

- Completed application form with application fee
- Transcript from institution that granted a Bachelor's degree
- Updated Curriculum Vitae or Resume
- Personal Statement

Grad Cert in Healthcare Management requirements (15 credits):

Code	Title	Credits
MPH 601	Organization and Management of Public Health Services	3
MPH 632	Human Resources for Healthcare Managers	3
MPH 633	Health Economics and Finance	3
Approved elective		6
Total Credits		15

Integrative Health and Wellness

Program Director: Tom Lenz, PharmD

Creighton's online Master of Science in Integrative Health and Wellness (MS-IHW) prepares students to fill a growing need in the changing landscape of health care, marked by increasingly broad and distinct understandings of health. This program prepares students to work with a health care team and one-on-one with individuals to help them thrive. Students help people see wellness as a lifelong journey in which they can be empowered to make good choices for their health. Students are prepared to be a part of a diverse team as they gain an understanding of the many dimensions of health and wellness. Students learn about aspects of personal health, such as nutrition and stress management as well as coaching skills like motivational interviewing and program design.

The MS in Integrative Health and Wellness prepares students to:

1. Have the knowledge, skills and values to collaborate with individuals to improve their 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 and internationally recognized credentialing in health and wellness coaching, and
4. Successfully pursue a career in the health and wellness industry.

Educational Outcomes

Graduates of the MS-IHW program must possess knowledge, skills and values to work with people 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. Graduates must be able to serve individuals based on efficacy data and in cooperation with other members of an interdisciplinary team. In this regard, graduates must demonstrate competence in the following areas:

1. **Ignatian Values.** Demonstrate through academic preparation and personal reflection the values of St. Ignatius of Loyola that includes, but are not limited to, *cura personalis*, solidarity, and the promotion of social justice.
2. **Collaboration.** Demonstrate the ability to work collaboratively and effectively within a team. In health and wellness coaching, a team is not limited to fellow students, faculty, or health care providers. Rather, team members include all those involved in, and concerned with the health of an individual, including the individual him/herself.
3. **Communication.** Demonstrate effective verbal, non-verbal, and written communication skills. Students will demonstrate the ability to communicate cross-culturally and within various economic and social classes. Students will also communicate and collaborate effectively and at an appropriate level both interpersonally and within an interdisciplinary team.
4. **Creativity and Critical Thinking.** Demonstrate situational solutions critically and creatively. Students will problem-solve personal and professional situations with creative imagination and analytical solutions. This will be done through academic practices, service learning and research projects.
5. **Whole Person Health.** Demonstrate the knowledge, attitudes, and values of the interconnected and dynamic components that affect individual and community health and well-being. These components include, but are not limited to physical, emotional, sociocultural, economic, environmental and spiritual health.
6. **Self-Care.** Demonstrate the knowledge and attitudes for effective self-care. Students will learn about self-care strategies and practice designing whole person self-care programs for self and others that include, but are not limited to a healthy lifestyle.

Admission Requirements

Requirements for admission to the graduate programs in Integrative 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, the intended goals, and personal philosophy on health and wellness coaching
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 90 iBT.

*Creighton University reserves the right to request GRE scores or a personal interview.

The Master of Science in Integrative Health and Wellness (IHW) program is designed to prepare students to have the knowledge, skills and values to work inter-collaboratively with individuals to improve their 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.

Degree Programs

- M.S., Integrative Health and Wellness (p. 109)

Accelerated Bachelor's to Master's Programs

- B.A., Communication Studies/M.S., IHW (p. 112)
- BSBA, Marketing/M.S., IHW (p. 112)

Graduate Certificates

- Lifestyle Medicine (p. 113)

Courses

IHW 501. Personal Development for the Health and Wellness Professional. 3 credits.

A fundamental component for health and wellness professionals is self-awareness, continuous personal development, reflection, balance, and well-being. This course provides students with tools and practices to achieve and maintain these fundamental components of self-care. This course includes participation in academic service learning.

IHW 570. Healthy Aging: Concepts and Strategies for a Life Well Lived. 3 credits.

This course offers students an opportunity to develop an understanding of health promotion for the older adult. Several chronic diseases will be examined with emphasis placed on lifestyle medicine and its influence on the aging experience.

IHW 605. Foundations in Integrative Health and Wellness. 2 credits.

Integrative care is a broad term used to describe a type of personal care that addresses more of the whole person than simply a disease or condition. Integrative care purposefully adds evidence-based complementary medicine interventions to the conventional care treatment plans of patients within the current healthcare system. This course will provide a broad overview of the integrative care interventions commonly used in the U.S. healthcare system, with a particular focus on lifestyle medicine and the social determinants of health.

IHW 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.

IHW 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.

IHW 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.

IHW 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.

IHW 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.

IHW 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.

IHW 770. Wholism as a Guiding Principle for Leadership and Well-Being. 3 credits.

Wholism is the philosophy that says that the parts of a whole are in intimate interconnection such that they cannot exist independently of the whole and cannot be understood without reference to the whole. This course explores the notion that all parts that make up the whole of an individual are interconnected where the guiding principles that form a person's leadership philosophy cannot be separated from those that guide personal health behaviors such that, "how we do anything is how we do everything" (Richard Rohr). Along with gaining a more in-depth sense of wholism, this course begins by exploring the interconnectedness of our relationships with others with the factors that determine health, balancing our inner world with our outer experiences, connecting dualism to our leadership style and personal health outcomes, and exploring our true-self and life purpose. Additionally, these elements are discussed in the context of chronic stress and the role that it plays in both personal health and leadership activities. The course ends with a practical application of these elements to employee health programs that emphasize improvements in quality-of-life, enhanced worker productivity, and cost savings to an organization.

IHW 780. Health and Wellness Coaching Skills, Techniques, & Tools. 3 credits.

The art and science of health and wellness coaching is enhanced with practice. In this course, students will utilize knowledge, skills, techniques, and tools acquired throughout the curriculum. Students will collaborate with clients seeking to improve their general well-being and with clients who are physician-diagnosed with chronic disease states. P. IHW 760 and Department Consent.

IHW 781. Health and Wellness Coaching: Theory to Practice. 3 credits.

This hybrid course combines online learning with a five-day on campus residency that builds on the knowledge, skills, and values gained throughout the Health & Wellness Coaching curriculum. Students apply theory to practice during the residency component of the course through case studies, face-to-face coaching sessions, and interactive group projects. P. IHW 760 and Department Consent.

IHW 795. Directed Independent Study. 1-6 credits.

Students participate in independent scholarly projects under the supervision of a faculty member. P. Department Consent.

IHW 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.

IHW 799. Capstone in Integrative Health and Wellness. 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.

IHW 999. Awarded/Transfer Credit. 1-3 credits.

M.S., Integrative Health and Wellness

Program Director: Tom Lenz, PharmD

Creighton's online Master of Science in Integrative Health and Wellness (MS-IHW) prepares students to fill a growing need in the changing landscape of health care, marked by increasingly broad and distinct understandings of health. This program prepares students to work with a healthcare team and one-on-one with individuals to help them thrive.

Students help people see wellness as a lifelong journey in which they can be empowered to make good choices for their health. Students are prepared to be a part of a diverse team as they gain an understanding of the many dimensions of health and wellness. Students learn about aspects of personal health, such as nutrition and stress management, as well as coaching skills like motivational interviewing and program design.

The MS in Integrative Health and Wellness prepares students to:

1. Have the knowledge, skills, and values to collaborate with individuals to improve their 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 chronic disease and
3. Successfully obtain nationally and internationally recognized credentials in health and wellness coaching and
4. Successfully pursue a career in the health and wellness industry.

Educational Outcomes

Graduates of the MS-IHW program must possess the knowledge, skills, and values to work with people 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. Graduates must be able to serve individuals

based on efficacy data and in cooperation with other members of an interdisciplinary team. In this regard, graduates must demonstrate competence in the following areas:

1. **Ignatian Values.** Demonstrate through academic preparation and personal reflection the values of St. Ignatius of Loyola that include, but are not limited to, *cura personalis*, solidarity, and the promotion of social justice.
2. **Collaboration.** Demonstrate the ability to work collaboratively and effectively within a team. In health and wellness coaching, a team is not limited to fellow students, faculty, or healthcare providers. Rather, team members include all those involved in and concerned with the health of an individual, including the individual themselves.
3. **Communication.** Demonstrate effective verbal, non-verbal, and written communication skills. Students will demonstrate the ability to communicate cross-culturally and within various economic and social classes. Students will also communicate and collaborate effectively and at an appropriate level both interpersonally and within an interdisciplinary team.
4. **Creativity and Critical Thinking.** Demonstrate situational solutions critically and creatively. Students will problem-solve personal and professional situations with creative imagination and analytical solutions. This will be done through academic practices, service learning and research projects.
5. **Whole Person Health.** Demonstrate the knowledge, attitudes, and values of the interconnected and dynamic components that affect individual and community health and well-being. These components include, but are not limited to, physical, emotional, sociocultural, economic, environmental, and spiritual health.
6. **Self-Care.** Demonstrate the knowledge and attitudes for effective self-care. Students will learn about self-care strategies and practice designing whole-person self-care programs for themselves and others that include but are not limited to, a healthy lifestyle.
7. **Service Learning.** Demonstrate the values associated with participating in service that promotes social justice. Within certain IHW courses, students learn and directly participate in community service activities that promote justice in health and wellness.

Admission Requirements

Requirements for admission to the graduate programs in Integrative Health and Wellness include:

1. Completed application form with a \$50 application fee
2. Current resume
3. Statement of purpose (2-3 pages, double-spaced) outlining the reasons for applying for admission, the intended goals, and personal philosophy on health and wellness coaching
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 90 iBT.

*Creighton University reserves the right to request GRE scores or a personal interview.

Master of Science, Integrative Health and Wellness (36 Credits)

Code	Title	Credits
Required Courses		
GRD 601	Writing for Graduate Students	1
IHW 501	Personal Development for the Health and Wellness Professional	3
IHW 605	Foundations in Integrative Health and Wellness	2
IHW 650	Health Behavior Modification	3
IHW 651	Nutrition for Chronic Disease	3
IHW 652	Exercise for Chronic Disease	3
IHW 653	Stress and Sleep Management	3
IHW 670	Research Methods and Program Design	3
IHW 760	Advanced Health and Wellness Coaching	3
IHW 799	Capstone in Integrative Health and Wellness	3
Choose one of the following options (9 credits):		9

Option 1

Electives: Choose 3 courses from the following:

IHW 570	Healthy Aging: Concepts and Strategies for a Life Well Lived
IHW 770	Wholism as a Guiding Principle for Leadership and Well-Being
IHW 780	Health and Wellness Coaching Skills, Techniques, & Tools
IHW 781	Health and Wellness Coaching: Theory to Practice
IHW 795	Directed Independent Study
IHW 798	Practicum in Health and Wellness Coaching
MHE 604	Social and Cultural Contexts of Health Care
MPH 608	Health Communication and Informatics
MPH 633	Health Economics and Finance
MSL 602	Communicating and Leading Across Cultures
MSL 620	Leadership and Group Dynamics
MSL 624	Leadership and Well-Being
NCR 620	Introduction to Conflict Engagement
NUR 756	Health Promotion and Disease Prevention in the Gerontological Population

Option 2

Health and Wellness Coaching Concentration

Required Courses:

IHW 780	Health and Wellness Coaching Skills, Techniques, & Tools
IHW 781	Health and Wellness Coaching: Theory to Practice

Choose 3 credits from the following courses:

IHW 570	Healthy Aging: Concepts and Strategies for a Life Well Lived
IHW 770	Wholism as a Guiding Principle for Leadership and Well-Being

IHW 795	Directed Independent Study
IHW 798	Practicum in Health and Wellness Coaching
MHE 604	Social and Cultural Contexts of Health Care
MPH 633	Health Economics and Finance
MSL 602	Communicating and Leading Across Cultures
MSL 620	Leadership and Group Dynamics
MSL 624	Leadership and Well-Being
NCR 620	Introduction to Conflict Engagement
NUR 756	Health Promotion and Disease Prevention in the Gerontological Population

Option 3

Healthy Aging Concentration

Required course and experiential component:

IHW 570	Healthy Aging: Concepts and Strategies for a Life Well Lived
---------	--

Experiential Healthy Aging - Complete 128 volunteer hours at a long-term care, assisted living, independent senior living, and/or in residence with home-care services (ex. Home Instead).

Electives: Choose 2 courses from the following:

IHW 770	Wholism as a Guiding Principle for Leadership and Well-Being
IHW 780	Health and Wellness Coaching Skills, Techniques, & Tools
IHW 781	Health and Wellness Coaching: Theory to Practice
IHW 795	Directed Independent Study
IHW 798	Practicum in Health and Wellness Coaching
MHE 604	Social and Cultural Contexts of Health Care
MPH 608	Health Communication and Informatics
MPH 633	Health Economics and Finance
MSL 602	Communicating and Leading Across Cultures
MSL 620	Leadership and Group Dynamics
MSL 624	Leadership and Well-Being
NCR 620	Introduction to Conflict Engagement
NUR 756	Health Promotion and Disease Prevention in the Gerontological Population

Total Credits

36

GRD 601. Writing for Graduate Students. 1 credit.

This course prepares students for graduate writing by building on and improving existing writing skills. Students learn how to enter a scholarly conversation first by exploring the written works of others and then by responding to those works by conducting library research and developing their own arguments.

IHW 501. Personal Development for the Health and Wellness Professional. 3 credits.

A fundamental component for health and wellness professionals is self-awareness, continuous personal development, reflection, balance, and well-being. This course provides students with tools and practices to achieve and maintain these fundamental components of self-care. This course includes participation in academic service learning.

IHW 605. Foundations in Integrative Health and Wellness. 2 credits.

Integrative care is a broad term used to describe a type of personal care that addresses more of the whole person than simply a disease or condition. Integrative care purposefully adds evidence-based complementary medicine interventions to the conventional care treatment plans of patients within the current healthcare system. This course will provide a broad overview of the integrative care interventions commonly used in the U.S. healthcare system, with a particular focus on lifestyle medicine and the social determinants of health.

IHW 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.

IHW 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.

IHW 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.

IHW 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.

IHW 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.

IHW 770. Wholism as a Guiding Principle for Leadership and Well-Being. 3 credits.

Wholism is the philosophy that says that the parts of a whole are in intimate interconnection such that they cannot exist independently of the whole and cannot be understood without reference to the whole. This course explores the notion that all parts that make up the whole of an individual are interconnected where the guiding principles that form a person's leadership philosophy cannot be separated from those that guide personal health behaviors such that, "how we do anything is how we do everything" (Richard Rohr). Along with gaining a more in-depth sense of wholism, this course begins by exploring the interconnectedness of our relationships with others with the factors that determine health, balancing our inner world with our outer experiences, connecting dualism to our leadership style and personal health outcomes, and exploring our true-self and life purpose. Additionally, these elements are discussed in the context of chronic stress and the role that it plays in both personal health and leadership activities. The course ends with a practical application of these elements to employee health programs that emphasize improvements in quality-of-life, enhanced worker productivity, and cost savings to an organization.

IHW 780. Health and Wellness Coaching Skills, Techniques, & Tools. 3 credits.

The art and science of health and wellness coaching is enhanced with practice. In this course, students will utilize knowledge, skills, techniques, and tools acquired throughout the curriculum. Students will collaborate with clients seeking to improve their general well-being and with clients who are physician-diagnosed with chronic disease states. P. IHW 760 and Department Consent.

IHW 781. Health and Wellness Coaching: Theory to Practice. 3 credits.

This hybrid course combines online learning with a five-day on campus residency that builds on the knowledge, skills, and values gained throughout the Health & Wellness Coaching curriculum. Students apply theory to practice during the residency component of the course through case studies, face-to-face coaching sessions, and interactive group projects. P. IHW 760 and Department Consent.

IHW 795. Directed Independent Study. 1-6 credits.

Students participate in independent scholarly projects under the supervision of a faculty member. P. Department Consent.

IHW 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.

IHW 799. Capstone in Integrative Health and Wellness. 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.

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.

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 an 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.

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 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.

NCR 620. Introduction to Conflict Engagement. 3 credits.

This course introduces students to the field of conflict engagement. It presents theoretical explanations of the causes of conflict and leads students to an identification and understanding of their response to and style of conflict engagement. There is a focus on explaining and distinguishing between a broad range of conflict engagement processes including negotiation, mediation, and facilitation, so that students will be able to apply the appropriate process to various types of conflict which they may encounter in their lives and practice.

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.

Integrative Health and Wellness Accelerated Programs

Accelerated Bachelor's to Master's Programs

- B.A., Communication Studies/M.S., IHW (p. 112)
- B.S.B.A., Marketing-Management/M.S., IHW (p. 112)

B.A., Communications/M.S., Integrative Health and Wellness Accelerated Program

Accelerated Master's Program (AMP): B.A. - Communication Studies and M.S. - Integrative Health and Wellness (IHW)

The accelerated M.S., Integrative Health and Wellness degree for students in the B.A., Communications Studies program will allow them to begin earning credit towards the online Health and Wellness Certificate on the path to the M.S., in Integrative Health and Wellness degree during their final two to four semesters.

Degree Requirements

1. B.A. in Communication Studies (<http://catalog.creighton.edu/undergraduate/arts-sciences/communication-studies/#majorstext>) requirements
2. Complete the courses in the Plan of Study below during the final semesters of the B.A. degree.
3. Complete the M.S., Integrative Health and Wellness requirements (p. 109)

Course	Title	Credits
Senior		
Fall		
GRD 601	Writing for Graduate Students	1
IHW 605	Foundations in Integrative Health and Wellness	2
IHW 650	Health Behavior Modification	3
Term Credits		6
Spring		
IHW 651	Nutrition for Chronic Disease	3
IHW 652	Exercise for Chronic Disease	3
Term Credits		6
Summer		
Complete additional 3 credit hours to earn the Graduate Certificate in Lifestyle Medicine		
Term Credits		0
Total Credits		12

B.S.B.A., Marketing-Management/M.S., Integrated Health and Wellness Accelerated Program

BSBA Marketing-Management / MS-Integrative Health and Wellness

The BSBA to MS-IHW Accelerated program provides an efficient progression to complete the BSBA in Marketing and Management and the Master of Science in Integrative Health and Wellness in an accelerated

time. The program enables undergraduate students to begin taking MS-IHW coursework during their final undergraduate year (i.e., 4th year) in order to complete their master’s degree at the conclusion of their 5th year. Students in the BSBA: Management program may apply up to 12 credit hours of MS-IHW coursework to both their BSBA degree (as electives) and to the MS-IHW master’s degree.

Students in the BSBA to MS-IHW Accelerated program will enroll in 12 graduate credit hours during their final two to four semesters as a BSBA undergraduate within the MS-IHW program. (For illustrative purposes, the table below provides an example of the timing of these courses.) In conjunction with entering the IHW program, students will be required to complete an online on-boarding class for all Creighton graduate students. Students will then enroll in three credit hours of master’s level coursework per semester during their final two to four semesters as a Creighton undergraduate. All of these credit hours apply to the requirements of the MS-IHW degree and serve as electives for the BSBA major.

Degree Requirements

1. BSBA - Marketing-Management requirements (<http://catalog.creighton.edu/undergraduate/business/marketing-management/>).
2. Complete the courses in the Plan of Study below during the final semesters of the BSBA degree.
3. Complete the MS-IHW requirements (p. 109).

Course	Title	Credits
Senior		
Fall		
GRD 601	Writing for Graduate Students	1
IHW 605	Foundations in Integrative Health and Wellness	2
IHW 650	Health Behavior Modification	3
Term Credits		6
Spring		
IHW 651	Nutrition for Chronic Disease	3
IHW 652	Exercise for Chronic Disease	3
Term Credits		6
Total Credits		12

Please note that students are responsible for identifying interest in this program by the second semester of the junior year (3rd year) to allow for proper academic advising and curriculum planning/advising.

Admissions criteria are as follows:

- Students must be a declared BSBA: Management major in good standing at Creighton University.
- Students must have achieved a minimum cumulative Creighton GPA of 3.0 overall.
- Students must have junior or senior standing.

- Students must apply to the Graduate School prior to commencing their final six hours of graduate credit in the Accelerated program.
- No GRE is required.

Lifestyle Medicine Graduate Certificate

Lifestyle Medicine Graduate Certificate

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. Interdisciplinary faculty provide students with the knowledge and skills to design, implement and modify comprehensive lifestyle medicine programs for individuals with and without chronic disease.

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

Requirements for admission to the graduate programs in Health Sciences 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, the intended goals, and personal philosophy on health and wellness coaching
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 90 iBT.

*Creighton University reserves the right to request GRE scores or a personal interview.

Lifestyle Medicine Graduate Certificate Requirements: (15 Credits)

Code	Title	Credits
Required courses:		
GRD 601	Writing for Graduate Students	1
IHW 605	Foundations in Integrative Health and Wellness	2
IHW 650	Health Behavior Modification	3
IHW 651	Nutrition for Chronic Disease	3
IHW 652	Exercise for Chronic Disease	3
IHW 653	Stress and Sleep Management	3
Total Credits		15

GRD 601. Writing for Graduate Students. 1 credit.

This course prepares students for graduate writing by building on and improving existing writing skills. Students learn how to enter a scholarly conversation first by exploring the written works of others and then by responding to those works by conducting library research and developing their own arguments.

IHW 605. Foundations in Integrative Health and Wellness. 2 credits.

Integrative care is a broad term used to describe a type of personal care that addresses more of the whole person than simply a disease or condition. Integrative care purposefully adds evidence-based complementary medicine interventions to the conventional care treatment plans of patients within the current healthcare system. This course will provide a broad overview of the integrative care interventions commonly used in the U.S. healthcare system, with a particular focus on lifestyle medicine and the social determinants of health.

IHW 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.

IHW 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.

IHW 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.

IHW 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.

Institute for Priestly Formation

Program Director: Rev. Brian T. Welter

Program Office: 11626 Nicholas Street, Omaha, Nebraska 68154

Graduate Study in Priestly Formation

In collaboration with Catholic seminaries and dioceses, the Institute for Priestly Formation forms seminarians, priests and bishops in holiness and accompanies them in their ongoing spiritual growth, so they can more effectively lead others to Christ. Inspired by the biblical-evangelical spirituality of St. Ignatius Loyola, the Institute responds to the need to foster relationship with Jesus Christ as the integrating and unifying core of all aspects of priestly formation. Through this relationship, the priest shares in Christ's own pastoral charity.

Each summer the Institute, in collaboration with Creighton University, conducts a residential summer program for diocesan seminarians. Seminarians may earn eight 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 awaken and deepen relational prayer with the Father, Son, and Holy Spirit, effecting a participation in Christ's own pastoral charity.
2. To foster a seminarian's joy and delight as he is assisted to appropriate his identity as a "contemplative even in action" rooted in the call to be beloved son, chaste spouse, spiritual physician, spiritual father and good shepherd.
3. To guide the seminarian in a radical reorientation to Christ unleashing in him an affectively mature embrace of chaste celibacy leading to his sharing Christ's own self-donation to His Bride, the Church.
4. To form future shepherds as teachers of prayer and discernment to serve the laity in their (own) call to holiness as transformers of culture.

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.

Courses

IPF 501. Christian Prayer and Discernment. 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 Ignatian discernment of spirits.

IPF 502. Growing into Authentic Manhood with Christ the Priest. 2 credits. SU

This course fosters the integration of the human and spiritual dimensions of the seminarian's life so that he can faithfully exercise Christ's own pastoral charity in his future ministry. 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.

Interdisciplinary Leadership

Program Director: Leah Georges, Ph.D.

Program Office: Eppley Building, B11

Our Mission

The Ed.D. in Interdisciplinary Leadership Program at Creighton University, a Catholic, Jesuit institution is a practitioner-based doctoral degree for adult lifelong learners.

- We believe leadership is practiced in both obvious and subtle ways by anyone willing to help (Lowney, 2003; Wheatley, 2006).
- We believe in preparing individuals to work for and with others by fostering a rich interdisciplinary learning environment.
- We believe in preparing individuals to embrace complexity by practicing self-reflection, an openness to diversity, and the integration of Ignatian values.
- We are diverse in the life experiences, ways of thinking, and knowledge base that faculty, staff, and students bring to the program.
- We are reflective scholar-practitioners focused on modeling the leadership our communities and workplaces need today and in the future.
- Alongside critical thinking and social science methodologies, we use innovative, leading edge education approaches such as the emerging approach of interdisciplinary leadership, adult learning theory, and dissertations in practice to prepare individuals to work across differences to address complex problems.

Learning Outcomes

Upon completion of the Doctor of Education (Ed.D.) in Interdisciplinary Leadership Program, using an interdisciplinary perspective, students will:

1. Utilize 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 studies.
5. Apply reflective practices as a means for professional and personal growth.

6. Demonstrate the capacity for effective leadership within complex and diverse societies
7. Produce original scholarship by applying social science methodologies to improve leadership 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 or CV.
3. A personal statement regarding the motivations of the applicant in seeking to pursue a degree in interdisciplinary leadership at Creighton University.
4. The completion of a writing exercise (the prompt will be provided at application).
5. Official transcripts from the highest degree attained (at the master's level or above); other transcripts are optional.
6. Three (total) letters of reference from instructors in the applicant's master's program, supervisors at work, or others that may speak to the applicant's potential success in a doctoral program. Co-workers, fellow students, or family members should not be asked to submit letters of reference.
7. A minimum TOEFL score of 90 (internet based) for students from countries in which English is not the native language.
8. Creighton University and program faculty reserves the right to request a personal interview with any applicant.

The Doctor of Education (Ed.D.) in Interdisciplinary Leadership Program consists of a minimum of 51 semester hours and a required master's or equivalent professional degree. Students will tailor the dissertation to focus on their particular professional/workplace interests.

Degree Requirements (51 credits)

Code	Title	Credits
Core Courses		
ILD 800	Introduction to Reflective Practice, Interdisciplinarity, and Residency	4
ILD 802	Leadership and Applied Ethics	3
ILD 804	Organizational Theory and Behavior	3
ILD 805	Administrative and Policy Leadership Issues	3
ILD 815	Interdisciplinary Leadership Theories	3
ILD 816	Social Justice and Leadership	3
ILD 817	Systems Thinking in Leadership	4
Electives		
Select 6 credits from the following:		6
ILD 720	Introduction to University Teaching	
ILD 811	Interdisciplinary Practicum	
ILD 822	Human Resources Leadership and Management	
ILD 823	Leadership in a Global Society	
ILD 824	Contemporary Trends in Interdisciplinary Leadership	
ILD 825	Women and Leadership	
ILD 826	Analyzing Complex Problems	
ILD 836	Leadership, Public Relation and Stakeholder Engagement	

ILD 837	Introduction to Servant Leadership	
ILD 838	Toxic Leadership	
Research Courses		
ILD 855	Social Science Research Methods and Design	4
ILD 856	Social Science Research Data Use and Analysis	3
ILD 891	Scholarly Literature Review Seminar	4
Dissertation		
ILD 892	Dissertation in Practice Proposal Seminar	4
ILD 893	Dissertation in Practice Manuscript and Defense Seminar	4
ILD 894	Dissertation in Practice Practitioner Recommendations and Professional Conversation	3
Total Credits		51

Ed.D. in Interdisciplinary Leadership students in the final stages of completing the doctoral dissertation, who anticipate degree conferral at the end of the summer term (August) are permitted to participate in the preceding May Commencement/Hooding ceremony as long as they have scheduled the date for the oral defense of their dissertation no less than three weeks prior to the May degree conferral date. August degree candidates who do not meet that deadline are permitted to participate in the December ceremony, or the May ceremony the following year. Students should file a degree application by the deadline (Feb 15 for May conferral; June 15 for August conferral; October 15 for December conferral) if there is the potential that they will complete their oral defense in the respective semester.

The Master of Science (M.S.) in Interdisciplinary Leadership consists of 33 credit hours and is only available to students who:

- have successfully completed at least 30 earned credits in Creighton's Ed.D. program
- are in good standing with Creighton University
- have maintained a 3.0 GPA in Ed.D. coursework at Creighton University
- have no more than six credit hours of grades below "B-" or any one grade less than "C" in Creighton's Ed.D. program
- complete an application to the M.S. in Interdisciplinary Leadership program
- successfully complete the 3-credit capstone course (ILD 795) upon acceptance to the program

Degree Requirements * (33 credits)

Code	Title	Credits
30 Credits of ILD Coursework in Creighton's Ed.D. Program		30
ILD 795	Interdisciplinary Leadership Capstone	3
Total Credits		33

* This program requires successful completion of at least 30 credits of ILD courses, and not necessarily the first 30 credits listed in the plan of study.

ILD 720. Introduction to University Teaching. 3 credits.

If you teach or want to teach college or university courses, this course will explore the foundational aspects of teaching and learning and help you meet your need to be prepared. This course is grounded in learning theory, self-reflection, and an understanding of learning environment relations and dynamics to help you foster your teaching and learning development. Participants will develop a clear personal teaching philosophy and teaching portfolio as the culminating activity for this course.

ILD 795. Interdisciplinary Leadership Capstone. 3 credits.

This capstone course requires students to develop a written grant proposal to a funding agency of their choice. Students will explore fundamental components of grant proposals, develop an original program or project idea, and write and present a grant proposal informed by leadership concepts, Ignatian charisms, and ethical best practices. P. 32 earned hours of ILD credits; formal acceptance to the MS in Interdisciplinary Leadership Program.

ILD 800. Introduction to Reflective Practice, Interdisciplinarity, and Residency. 4 credits.

This course provides students with an introduction interdisciplinary thinking, the nature of interconnectedness, and integrative perspectives. Students will explore the knowledge, skills, and values underlying Jesuit education, interdisciplinary, and reflective practice. Students will also engage with scholarly readings, group discussions, and reflective and academic writing exercises to help sharpen their leadership skills, build community, and prepare for the EdD journey. As the culminating activity, students will participate in an on-campus residency.

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 804. Organizational Theory and Behavior. 3 credits.

This course explores the theories and models that explain the behaviors and attitudes of individuals, teams and groups, as well as organizational systems. Students will be exposed to the fields of organizational behavior and industrial and social psychology principles and theories. Students will apply these theories to workplace and community settings. Students will also engage in critical analysis of these theories and determine their boundaries when working in complex environments.

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. Learners will use policy analysis frameworks to address contemporary policy issues within a student's topic of interest.

ILD 810. Dissertation Defense. 1-2 credits.

This seminar is the concluding requirement of the program. The dissertation defense is held on the Creighton University campus. Students will share their dissertation, the oral defense, interact with faculty and guests, and discuss theoretical and practical leadership implications of their work. Students will have an opportunity to provide feedback about the Ed.D. program and share suggestions for improvement. All dissertation-related edits and paperwork must be submitted to the program and graduate school prior to conferring the Ed.D. degree.

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.

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.

ILD 815. Interdisciplinary Leadership Theories. 3 credits.

This course provides an overview and opportunity to apply various leadership theories, approaches, and perspectives. Students will be introduced to the complexity and potential of interdisciplinary thinking and will use a wide range of scholarly articles from multi and interdisciplinary fields, group engagement, and reflective writing to critically evaluate and differentiate leadership theories. Ultimately, students will evaluate the contributions of different leadership perspectives and ways of thinking crucial to effectively lead within our dynamic communities.

ILD 816. Social Justice and Leadership. 3 credits.

In this course, students will consider the causes and consequences of injustice and explore the intersectionality between a variety of topics including race, gender, (dis)ability, and socioeconomic class. This course will challenge students to consider the historical, psychological, sociological, and political perspectives that inform leadership practices that have led to injustices. Students will examine inclusive excellence and integrate Ignatian values to focus on modeling effective leadership within our complex and diverse society.

ILD 817. Systems Thinking in Leadership. 3-4 credits.

This course explores the characteristics of systems thinking and demonstrates how our ability to practice leadership can be enhanced by understanding systems. Students will engage with practical reading, discuss application of, and write narratives that utilize systems thinking. Students will analyze a system and create a systems map that will inform their interdisciplinary leadership practice.

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. Contemporary Trends in Interdisciplinary Leadership. 3 credits.

Students will explore a topic of contemporary prominence that has a direct application of or implications for interdisciplinary leadership. Students will engage with a combination of instructor assigned reading and student selected literature, develop and facilitate discussion forums, and produce a scholarly project that critically applies leadership theories or constructs to the chosen course topic.

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. Analyzing Complex Problems. 3 credits.

This course demonstrates Nobel laureate Elinor Ostrom's Institutional Analysis and Development (IAD) framework. The IAD framework, an analytical strategy from the field of public policy, is especially useful in analyzing the complex problems that often occur within and between teams of people engaged in meaningful work. Students will learn to apply the framework to analyze complex problems within organizations of their own choosing and to design and appraise potential solutions to these problems based on the evidence of their studies. In this way, it is an ideal course for scholar-practitioners interested in creating evidence-based solutions at the applied level.

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 850. Quantitative Research Design and Methods for Leadership Decision-Making. 3 credits.

This course examines the connection among research topics, questions, concepts, foundational assumptions of statistical tests, and the practice of quantitative methods. The interpretation of results will also be explored. This course enhances the ability to read statistical results and will inform leaders and those who intend to pursue quantitative dissertations.

ILD 851. Qualitative Research Design and Methods for Leadership Decision-Making. 3 credits.

Qualitative research provides scholar-practitioners with ways to observe and make sense of the world in all its rich and complicated complexity. This course will examine the design, analysis, and interpretation of qualitative research needed for leadership decision-making. Student will explore the craft and the art of qualitative inquiry.

ILD 853. Data Use and Analysis (Qualitative). 3 credits.

This course explores the characteristics of systems theory and complexity theory and demonstrates how our ability to practice leadership can be enhanced by our appreciation of these characteristics. This course is meant to provide students with an understanding of systems theory and systems thinking as the theoretical underpinning of leadership practice. Prereq: ILD 851; ILD 814.

ILD 854. Data Use and Analysis (Quantitative). 3 credits.

This required course is open to students who are implementing quantitative research designs in their dissertations. It focuses on: a) using statistical software to conduct a variety of statistical tests; b) presenting and interpreting the results of these tests in a manner consistent with social science methods. The latter focuses on the substantive application of results to leadership decision-making.

ILD 855. Social Science Research Methods and Design. 4 credits.

This course provides students with the foundations of social science research methods. Students will compare characteristics associated with different qualitative and quantitative research designs that describe, explore, or examine leadership phenomena. Students will read empirical social science research, discuss the appropriate application of methods for answering research questions, explore research as a transformative process, and practice scholarly writing. As the culminating activity in this course, students will present their initial ideas for an original, primary research project focused on a student's topic of interest.

ILD 856. Social Science Research Data Use and Analysis. 3 credits.

In this course, students will explore how to use and analyze social science research data. Students will practice data analysis procedures that will describe, explore, and assess complex leadership phenomena. Through engaging in foundational reading, critical discussion, and scholarly writing, students will become more comfortable identifying the alignment between the utilization, analysis, and design of interdisciplinary social science research. As the culminating activities of this course, students are required to complete responsible conduct of research training and will develop a draft of the methodology and analysis sections of their dissertation in practice proposal. P. ILD 855.

ILD 891. Scholarly Literature Review Seminar. 4 credits.

In this seminar, students will work with the guidance of their dissertation in practice chair to write a scholarly literature review. This course will provide students with an opportunity to apply interdisciplinary thinking and deeply engage with the state of literature on a student's topic of interest. One of the foundational elements of scholarly research is the accurate and comprehensive compilation, synthesis, and application of relevant literature around a particular topic. Students will identify and begin to explore the contextual, conceptual, interdisciplinary, and theoretical background of the topic that is the focus of their dissertation in practice. Over the course of the seminar, students will apply scholarly searching, reading, discussion, and writing principles to develop a draft of their dissertation-in-practice literature review.

ILD 892. Dissertation in Practice Proposal Seminar. 4 credits.

In this seminar, students will work with the guidance of their dissertation in practice chair to write an effective proposal. Over the course of the seminar, students will write an introduction, revise and edit their literature review and methods sections by engaging with and responding to the feedback from their cohort members, dissertation in practice chair, and a second committee member. In accordance with the dissertation in practice handbook, students are required to complete and pass this seminar prior to progressing towards data collection. P. ILD 856 and ILD 891.

ILD 893. Dissertation in Practice Manuscript and Defense Seminar. 4 credits.

In this seminar, students will work with the guidance of their dissertation in practice chair to prepare their manuscript and defend their dissertation in practice study. Over the course of the seminar, students will prepare their manuscript in accordance with an appropriate scholarly publication outlet. The dissertation in practice defense is held virtually as an open presentation. Students will present the background, methods, and results of their DIP study, interact with faculty and guests, and discuss initial theoretical and practical leadership implications of their research. In accordance with the dissertation in practice handbook, completion of the manuscript and dissertation in practice defense are required components of the dissertation in practice process. P. ILD 892.

ILD 894. Dissertation in Practice Practitioner Recommendations and Professional Conversation. 3 credits.

In this seminar, students apply lessons learned during the EdD in Interdisciplinary Leadership Program to personal and professional situations. Students will contemplate how they have been transformed by their learning experiences and what they will do next. As the culminating activity in this seminar, students will apply reflective practice, interdisciplinary thinking, and advanced leadership acumen to create a practitioner recommendation plan based on their dissertation in practice work. As the culminating activities in this course, completion of the practitioner recommendation plan and participation in a professional conversation with the instructor, cohort members, and other program faculty are required.

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. 1-8 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 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 890, 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 810).

Master of Financial Planning and Financial Psychology

Master of Financial Planning and Financial Psychology - MFPP

Master of Financial Planning and Psychology degree program is an online program designed to prepare students for a career in the field of financial planning.

The program curriculum integrates the CFP® Board education requirement

core coursework with four financial psychology/behavioral finance courses to create a

unique and comprehensive master's degree program in financial planning.

The graduate program requires completion of 33 credit hours, consisting of seven personal financial planning core courses, and four financial psychology/behavioral finance courses.

MFPP Degree Requirements: (33 Credits)

Code	Title	Credits
Personal Financial Planning Core: (21 credits)		
MFP 752	Personal Insurance Risk Management (Take an elective if FIN 340 taken)	3
FIN 511	Retirement Planning and Employee Benefits	3
FIN 512	Estate Planning and Taxation	3
MBA 715	Investment Value and Theory	3
MFP 751	Personal Financial Planning	3
MFP 758	Case Studies in Financial Planning	3
MFP 759	Income Tax Planning	3
Financial Psychology/Behavioral Finance Core: (12 credits)		
MFP 753	Applied Behavior Finance	3
MFP 754	Introduction to Financial Psychology	3
MFP 755	Personal Financial Psychology	3
MFP 756	Psychology of Family Finances	3
Total Credits		33

Master of Investment Management and Financial Analysis (MIMFA)

Program Director: Dr. Randy Jorgensen

Program Office: Harper Center

Professors: Lee M. Dunham, Randy D. Jorgensen, Kenneth M. Washer

Associate Professors: Charles B. Braymen, Melissa K. Woodley

Assistant Professor: Tirimba Obonyo

Instructor of Practice: John Harris

Graduate Study in Investment Management and Financial Analysis

The Master of Investment Management and Financial Analysis (MIMFA) program is designed to prepare students for careers in investments and financial analysis. The program is guided by Code of Ethical Practice 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 charter holders 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 MIMFA 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 (<https://www.cfainstitute.org/>).

¹ Note: CFA, CFA Program and Body of Knowledge are trademarks owned by the CFA Institute.

Program Learning Goals and student learning outcomes

As guided by our mission and identity statements, the program learning goals (PLGs) and student learning outcomes (SLOs) below are written to reflect our beliefs about the attributes of business leaders who exemplify the Jesuit ideals.

Creighton-formed business leaders will:

PLG 1: Exhibit disciplinary knowledge and behavior essential in investment management and financial analysis.

SLO 1A: Demonstrate knowledge of essential basics of economics, statistics, financial statement analysis and financial instruments.

SLO 1B: Apply valuation models to estimate the value of financial assets.

SLO 1C: Demonstrate technological skills used in the investment management process.

PLG 2: Think critically to aid decision-making.

SLO 2A: Formulate and evaluate an appropriate portfolio for an investor.

SLO 2B: Interpret and synthesize data used in investment analysis.

PLG 3: Commit to action that demonstrates care for others.

SLO 3A: Analyze a business ethics situation and propose a course of action.

SLO 3B: Communicate respectfully and effectively.

SLO 3C: Demonstrate an understanding of the importance of working effectively and in solidarity across the distinctions of human diversity.

PLG 4: Exhibit personal habits consistent with personal formation.

SLO 4A: Demonstrate deliberative reflection for lifelong personal and professional formation.

Admission

- Eligibility for Admission:** Applicants for admission to the MIMFA 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.
- 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.
- 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.
- 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.
- Graduate Management Admissions Test (GMAT):** The Graduate Management Admission Test (GMAT) is not required for applicants who have work experience and a minimum 3.00 cumulative GPA across all institutions attended. If the applicant's cumulative GPA

is less than 3.00, the GMAT is required. For applicants without work experience, and for all applicants to the MIMFA and MFIN programs, a minimum 3.50 cumulative GPA is required for the GMAT waiver.

All international students whose undergraduate degree was not granted by a US institution will be required to submit a GMAT score.

Regardless of the applicant's cumulative GPA, the admissions committee reserves the right to require an applicant to submit a GMAT score if there are concerns regarding the applicant's work experience and/or the student's achievement across all math, statistics, economics and finance courses previously completed.

- Test of English as a Foreign Language:** The Graduate School requires all students who are native speakers of languages other than English to demonstrate competence in English. International applicants who received their baccalaureate degree from an accredited institution from the following countries are not required to show proficiency in English; Australia, Canada, Barbados, Bahamas, Bermuda, British Virgin Islands, Cayman Islands, Dominica, Grenada, Guam, Ireland, Jamaica, Marshall Islands, New Zealand, St. Kitts, St. Lucia, Scotland, Singapore, Trinidad and Tobago, United Kingdom, United States, and Virgin Islands. There are 3 test scores that can be used to demonstrate competence in English. Only one of the three must be provided. 1) **TOEFL:** score of 90 or above on the Internet-based Test (TOEFL iBT) with no section below 20. 2) **IELTS:** overall band score of at least 6.5 with no section below 6. 3) **Duolingo:** score of 110 or above.
- 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/geo (<http://www.creighton.edu/geo/>).
- Prerequisites:** Applicants to the MIMFA program must show evidence that they have completed undergraduate courses in accounting, finance, and economics.

Acceptance to the MIMFA 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.

Degree Programs

- Master of Investment Management and Financial Analysis (MIMFA) (p. 121)
- MBA/MIMFA Dual Degree (p. 61)
- BSBA-FIN to MIMFA Accelerated Program (p. 121)

Courses

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.

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 711.

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.

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 703.

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 741.

MIM 734. Equity Analysis. 3 credits.

A study of the concepts and techniques that are basic to the valuation of equity securities. P. MBA 711, MIM 724.

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. MIM 722.

MIM 738. Financial Statement Analysis II. 3 credits.

This course covers financial statement analysis topics including 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. P. MIM 730.

MIM 740. Portfolio Management. 3 credits.

This course focuses on the theory and practice of modern portfolio management. Major topics will include modern portfolio theory, asset allocation, active and passive investment strategies, and performance evaluation and attribution. Students will study the proper construction and evaluation of portfolios for individuals and institutions and apply these concepts in a variety of contexts. P. To be completed in the last 9 hours of degree program of study.

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.

Investment Management and Financial Analysis (MIMFA)

The Master of Investment Management and Financial Analysis (MIMFA) program consists of 30 credit hours. The program is offered online.

Master of Investment Management and Financial Analysis (MIMFA) requirements (30 credits):

Code	Title	Credits
MIM 720	Ethical and Professional Standards	3
MIM 722	Fixed Income and Derivatives I	3
MIM 724	Quantitative Analysis	3
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	Financial Statement Analysis II	3
MIM 740	Portfolio Management	3
Elective approved by director		3
Total Credits		30

BSBA-FIN (Financial Analysis)/ MIMFA Accelerated Program

BSBA, Finance-Financial Analysis / MIMFA

The BSBA to MIMFA Accelerated program provides an efficient progression to complete the BSBA in Finance (concentration in Financial Analysis) and the Master of Investment Management and Financial Analysis (MIMFA) in an accelerated time frame. The accelerated program enables undergraduate students to begin taking MIMFA coursework during their final undergraduate year (i.e., 4th year) in order to complete their master's degree at the conclusion of their 5th year. Students in the BSBA: Finance Analysis Track program may apply up to six credit hours of MIMFA coursework to both their BSBA degree (as electives) and to the MIMFA master's degree.

Students in the BSBA to MIMFA Accelerated program will enroll in twelve graduate credit hours during their final two to four semesters as a BSBA undergraduate within the MIMFA program. Six of these credits apply to the requirements for both the BSBA degree and the MIMFA graduate program. An additional six credit hours of master's level coursework taken during the final two semesters as a Creighton undergraduate will apply to the requirements of the MIMFA degree only. (For illustrative purposes, the table below provides an example of the timing of these courses.) In conjunction with entering the MIMFA program, students will

be required to complete an online on-boarding class for all Creighton graduate students.

1. BSBA - Financial Analysis requirements (<http://catalog.creighton.edu/undergraduate/business/economics-finance/financial-analysis/>)

The following courses are required for the Financial Analysis track and are a necessary part of this accelerated dual degree program:

FIN 350 Financial Statement Analysis
FIN 505 Financial Modeling

2. The following courses should be taken during the final semesters of the BSBA degree:

FIN 558 International Financial Management
ECO 303 Intermediate Microeconomics
MIM 722 Fixed Income and Derivatives I
MIM 724 Quantitative Analysis

3. MIMFA requirements (p. 121)

The following courses are required of the MIMFA degree and will be completed as a graduate student after being admitted to the MIMFA program:

Course	Title	Credits
Fall		
MIM 734	Equity Analysis	3
MIM 738	Financial Statement Analysis II	3
Graduate elective approved by MIM program director		3
Term Credits		9
Spring		
MIM 720	Ethical and Professional Standards	3
MIM 736	Fixed Income and Derivatives II	3
MIM 740	Portfolio Management	3
Term Credits		9
Total Credits		18

Notes:

This is a sample schedule. The list of classes that must be completed won't change but there is some possible flexibility as to timing. Students should consult with their academic advisor regarding these options.

MIM 730 is normally a requirement for the MIMFA program. Students in this accelerated program may have MIM 730 waived if FIN 350 and FIN 505 are taken as an undergraduate, where FIN 505 must be taken for graduate credit.

MIM 732 is normally a requirement for the MIMFA program. Students in this accelerated program may have MIM 732 waived if ECO 303 and FIN 558 are taken as an undergraduate, where FIN 558 must be taken for graduate credit.

Students are responsible for identifying interest in this program by the second semester of the junior year (3rd year) to allow for proper academic advising and curriculum planning/advising.

Admissions criteria are as follows:

- Students must be a declared BSBA: FIN major (Financial Analysis Track) in good standing at Creighton University.
- Students must have completed a minimum total of 96 credit hours at the time of admission, with at least 12 credit hours earned at Creighton.
- Students must have achieved a minimum cumulative Creighton GPA of 3.5 overall.
- Students must apply to the Graduate School prior to commencing their final 18 hours of graduate credit in the Accelerated program.
- No GMAT is required if students have achieved the minimum GPA requirement and have made sufficient progress towards their Financial Analysis track major. The GMAT will be required for students who do not meet the minimum GPA standards.

MBA/Master of Investment Management and Financial Analysis Dual Degree

The 48 credit hour dual MBA/MIMFA 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 MBA degree.

Foundation

All students entering the dual MBA/MIMFA program will need to show evidence they have completed at least one statistics course that includes regression and correlation or satisfy the statistics requirement by taking MIM 724.

MBA/Master of Investment Management and Financial Analysis Dual Degree Requirements (48 Credits):

Code	Title	Credits
MBA Core		
All MBA/MIMFA students will complete four MBA 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
BIA 762	Survey of Business Intelligence and Analytics	3
MBA 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 three of the four functional areas.		
MBA 703	Accounting for Managers	3
MBA 711	Managerial Finance (or MIM Elective)	3

MBA 761	Marketing Management	3
MIMFA Core		
MIM 720	Ethical and Professional Standards	3
MIM 722	Fixed Income and Derivatives I	3
MIM 724	Quantitative Analysis	3
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	Financial Statement Analysis II	3
MIM 740	Portfolio Management	3
Total Credits		48

Medical Humanities and Ethics

GRADUATE STUDY IN MEDICAL HUMANITIES AND ETHICS

Program Director: Sarah J. Lux, PhD

Department Chair: Kevin T. FitzGerald, SJ, PhD

The Master of Arts in Medical Humanities and Ethics (MA-MHE) program aims to give students a broad, interdisciplinary, and critical understanding of health, illness, suffering, and care—and how ethical, cultural, spiritual, political, and economic practices shape these concepts. The program draws on the wisdom of the humanities and social sciences, including philosophy, bioethics, literature, history, anthropology, sociology, religious studies, and the arts, to: 1) help students uncover the enduring questions about the human experience of medicine and healthcare practice; and 2) equip them with the foundational knowledge and analytical tools necessary to begin conversations that address and discuss ethical issues in health care.

PROGRAM GOALS

Students who complete the Master of Arts in Medical Humanities and Ethics will be able to:

1. Synthesize knowledge from diverse fields of the humanities and social sciences to cultivate a deeper and broader understanding of health, illness, and suffering.
2. Analyze ethical concerns regarding the health care of populations made vulnerable or marginalized using ethical principles, norms, and theories.
3. Consider the social determinants of health and healthcare inequality and determine what responsibility healthcare professionals have for addressing these issues.
4. Apply advanced knowledge of the social influences that contribute to human health and illness effectively when communicating with patients and practitioners.
5. Critically reflect on personal and professional attitudes, actions, and experiences to improve communication and interaction with diverse populations.
6. Critically consider how cultural background, history, and experiences shape views on health, illness, and healthcare.

With an emphasis on critical reflection and the development of personal and professional discernment, the program prepares students to enter professional or academic careers that focus on the care of others and is designed for those who intend to pursue health-related careers or who are

interested in examining larger questions about suffering, mortality, care, and justice from an interdisciplinary perspective.

GRADUATE CERTIFICATE ADMISSIONS REQUIREMENTS

- **Baccalaureate degree or higher:** 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.
- **Transcripts:** Applicants must submit official transcripts from the institution that awarded their baccalaureate degree. Issuing institutions must send the transcripts directly.
- **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 bioethics.
- **Essay and Personal Statement:** Using 500 words or fewer per question, applicants should respond to the following:
 - List three significant ethical challenges in health care today. Then, choose one of them to respond to by providing commentary on how the humanities can contribute to a deeper understanding and, perhaps, a better resolution of the ethical issue. 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.
 - Explain how your professional goals relate to the medical humanities or healthcare ethics and how the successful completion of this program will assist them in achieving those goals.
- **Test of English as a Foreign Language (TOEFL):** All international applicants 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, or New Zealand are not required to submit a TOEFL score report.
- **Application and an application fee of \$50.**

MASTER OF ARTS IN MEDICAL HUMANITIES AND ETHICS ADMISSIONS REQUIREMENTS

In addition to the requirements for the graduate certificate, applicants seeking admission to the MA in Medical Humanities and Ethics degree program must also submit the following:

- transcripts from all graduate-level coursework and
- two letters of recommendation (to be filled out and submitted by individuals other than family members who can evaluate the applicant's performance in an academic or work setting).

M.A., Medical Humanities and Ethics (p. 125)

Graduate Certificate, Bioethics (p. 126)

Graduate Certificate, Clinical Ethics Consultation (p. 126)

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 everyone contributes to an on-going dialogue. The course assumes one's writing can always improve. The specific aims of the course are: 1) to produce clear and precise writing and 2) to accurately credit and incorporate the others' scholarly work. The course includes recognizing, attributing and summarizing existing scholarship. The course also stresses responses to existing work, distinguishing response types, anticipating arguments or objections, and tying it all together. Concrete templates and rhetorical moves are employed to enhance reasoning and organizational abilities. Students incorporate detailed instructor feedback in multiple writing assignments. 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 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.

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 600; MHE 610.

MHE 606. Theories of Justice. 3 credits.

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.

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.

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. DC.

MHE 610. Introduction to Bioethics. 3 credits.

Bioethics is a complex field with few easy answers. This course uses an interdisciplinary lens to introduce students to the ethical dilemmas inherent in health care and health policy with specific emphasis on populations with vulnerability, disadvantage, or marginalization. Students develop a broad understanding of the philosophical, historical, cultural, economic, technological, and political dimensions of ethical issues the discipline of bioethics encompasses.

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 615. Patient-Centered Consultation. 3 credits.

This course is an interactive introduction to the key, basic-level skills in healthcare ethics consultation involving adult patients. The course will focus on the three categories of skills for healthcare ethics consultants - ethical assessment and analysis, process skills and interpersonal skills - that are the foundation of the Core Competencies for Healthcare Ethics Consultants, 2nd ed., a report of the American Society of Bioethics and Humanities (ASBH, 2011).

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.

MMH 601. Introduction to Medical Humanities. 3 credits.

Introduces students to the field of Medical Humanities, with a specific focus on philosophy and medicine, literature/narrative and medicine, medical pedagogy, social justice, death and dying, religion and medicine, and suffering and meaning-making. Students will reflect on how course content influences their current or future clinical and/or scholarly work.

MMH 602. Humanism and Healthcare Careers. 1 credit.

This course will meet weekly via Zoom to connect with students enrolled in the Masters in Medical Humanities so that students can reflect on how their various coursework influences their current or future careers. Most weeks, a guest speaker will join the session to discuss their role in healthcare or academia (e.g., clinician, pastoral care, social worker, patient advocate, clinical ethicist, medical educator, etc.) and the importance of humanism and the humanities in their everyday work. The goal of this course is for students to reflect on how their experience in the Masters in Medical Humanities program is shaping their current work or paving the way for a future career path.

MMH 603. End of Life in the Clinical Setting. 3 credits.

This course is an experiential practicum that explores the intersection of clinical palliative care with medical humanities. Student will apply concepts from their foundational humanities courses with volunteering experiences with patients near end of life. Students will arrange volunteering experience with a local palliative care or hospice team.

MMH 710. Community of Practice for Scholarly Writing in the Medical Humanities. 1 credit.

Designed to be a "community of practice" for Medical Humanities students who are preparing their thesis paper or final capstone project, this course provides weekly opportunities for collaborative discussions and feedback on the overall writing process. Through both synchronous and asynchronous course activities, students will build upon their prior coursework and related learning experiences to 1) draft, revise, and integrate feedback into their work; 2) engage in constructive dialogue with peers about each other's writing; and 3) reflect on the development of their writing and learning.

MMH 711. Capstone Research in Medical Humanities and Ethics. 6 credits.

In this 6-credit course, students will work with a student-selected capstone mentor to design, propose, and present a capstone project that explores a specific topic in the medical humanities or attempts to address a problem relevant to the field of healthcare or the medical humanities. The form of the capstone project can vary, whether rooted in theoretical work or an applied project, and is largely dependent upon the student's chosen topic or area. Students will present their completed capstone project to the course director, capstone mentor, and program director. Faculty and fellow students in the MA program will be invited to the public portion of the presentation.

MMH 712. Thesis Research in Medical Humanities and Ethics. 6 credits.

In this 6-credit course, students will work with a student-selected thesis advisor to design, propose, write, and present a Master's thesis project that explores a specific topic in the medical humanities or attempts to shed light on a problem relevant to the field of healthcare from a humanities perspective. Students will present their completed thesis project to a thesis committee, which will include the course director, the student's thesis advisor, and the Master of Arts in Medical Humanities program director. Faculty and fellow students in the MA program will be invited to the public portion of the presentation.

MMH 792. Special Topics in the Medical Humanities: Professional Identity Formation in Healthcare Education. 1 credit.

This course will meet weekly via Zoom to discuss assigned material for the week related to professional identity formation in healthcare education, focusing specifically on the socialization of healthcare students, the hidden curriculum, mistreatment in the clinical learning environment, mental health and wellness, and the role of mentorship.

MMH 794. Special Topics in Medical Humanities. 3 credits.

Special Topics in Medical Humanities are courses offered for credit in which the subject matter or content may vary within specific sections across terms as indicated by that course's title and description. Most special topics courses can be repeated by students for additional credit, provided that the course sections are different. Special topics courses address specific issues within Medical Humanities that are not represented within required courses or offer an opportunity for a deeper or different look at a topic covered in a required course.

Master of Arts, Medical Humanities and Ethics

M.A., MEDICAL HUMANITIES AND ETHICS

The Master of Arts in Medical Humanities and Ethics is an online graduate degree that requires students to complete 30 credit hours of coursework with synchronous and asynchronous elements. The online courses are offered in 8-week terms. Students can progress through the program on a full-time or part-time basis. The length of the program depends on the student's enrollment status.

- Students who choose the **full-time, accelerated option** must begin in the Fall semester and can finish at the conclusion of the Summer semester.
- Students who choose the **part-time, traditional option** may begin in any semester and can finish in two years. *The part-time option is strongly recommended for students who plan to work full-time while enrolled in the program.*

M.A., Medical Humanities and Ethics Requirements: (30 Credits)

Code	Title	Credits
Required courses:		
MMH 601	Introduction to Medical Humanities	3
MHE 601	Health Policy	3
MMH 603 or MHE 614	End of Life in the Clinical Setting Ethical Aspects of End-of-Life Care	3
MHE 604	Social and Cultural Contexts of Health Care	3
MHE 606	Theories of Justice	3
MHE 609	Capstone	3
MMH 794	Special Topics in Medical Humanities	3
Electives - Choose three courses from the following:		9
MHE 600	Scholarly Reading and Writing	
MHE 607	Practical Ethics in Health Care Settings	
MHE 610	Introduction to Bioethics	
MHE 614	Ethical Aspects of End-of-Life Care	
MHE 615	Patient-Centered Consultation	
MHE 695	Independent Study in Health Care Ethics	
MMH 603	End of Life in the Clinical Setting	
MPH 609	Introduction to Community-Based Participatory Research	
MPH 615	Ethical Issues in Public Health: A Global Perspective	
MPH 635	Public Health Leadership	
MPH 707	Introduction to Mixed Methods	
NCR 620	Introduction to Conflict Engagement	

NCR 622	Conflict Engagement and Leadership
NCR 630	Health Care Collaboration and Conflict Engagement

Total Credits **30**

Bioethics Graduate Certificate

BIOETHICS GRADUATE CERTIFICATE

The Graduate Certificate in Bioethics consists of 15 credit hours total, composed of 9 credit hours of core courses and six credit hours of electives. Students will design their own program of study composed of the courses listed below that are consistent with their career and development interests.

PROGRAM OUTCOMES

1. Identify and deconstruct ethical problems in health care, systems, policies, and laws.
2. Apply ethical principles, norms, and theories in ethically complex situations to facilitate open and informed discussion among multiple stakeholders.
3. Analyze general concerns of bioethics surrounding the health care of populations made vulnerable or marginalized.
4. Critically reflect on personal and professional attitudes, actions, and experiences to improve communication and interaction with diverse populations.

GRADUATE CERTIFICATE IN BIOETHICS REQUIREMENTS: (15 CREDITS)

Code	Title	Credits
Required courses:		
MHE 600	Scholarly Reading and Writing	3
MHE 604	Social and Cultural Contexts of Health Care	3
MHE 610	Introduction to Bioethics	3
Electives: Choose six credits from courses below:		6
MHE 601	Health Policy	
MHE 606	Theories of Justice	
MHE 607	Practical Ethics in Health Care Settings	
MHE 614	Ethical Aspects of End-of-Life Care	
MHE 615	Patient-Centered Consultation	
MHE 695	Independent Study in Health Care Ethics	
MPH 615	Ethical Issues in Public Health: A Global Perspective	
NCR 620	Introduction to Conflict Engagement	
NCR 622	Conflict Engagement and Leadership	
NCR 630	Health Care Collaboration and Conflict Engagement	
Total Credits		15

Clinical Ethics Consultation Graduate Certificate

CLINICAL ETHICS CONSULTATION GRADUATE CERTIFICATE

This 15-credit certificate program provides foundational knowledge to health care professionals and others who are interested in advancing their skills in ethical assessment and analysis, process skills, and interpersonal skills. The knowledge and skills gained through this certificate program will be valuable to individuals who are interested in serving on or leading an ethics committee.

PROGRAM OUTCOMES

1. Identify and deconstruct ethical problems in health care, systems, policies, and laws.
2. Apply ethical principles, norms, and theories in ethically complex situations to facilitate open and informed discussion among multiple stakeholders.
3. Educate others about ethical issues in health care.
4. Reflect on one's relevant experiences, values, and intuitions and how these might influence one's approach to ethics consultations.
5. Incorporate diverse perspectives from the humanities and liberal arts into ethical reflection about health care structures.

GRAD CERTIFICATE IN CLINICAL ETHICS CONSULTATION REQUIREMENTS: (15 CREDITS)

Code	Title	Credits
MHE 600	Scholarly Reading and Writing	3
MHE 607	Practical Ethics in Health Care Settings	3
MHE 614	Ethical Aspects of End-of-Life Care	3
MHE 615	Patient-Centered Consultation	3
Elective - Choose one course from the following:		3
MHE 695	Independent Study in Health Care Ethics	
MMH 601	Introduction to Medical Humanities	
MMH 603	End of Life in the Clinical Setting	
MMH 794	Special Topics in Medical Humanities	
NCR 620	Introduction to Conflict Engagement	
NCR 630	Health Care Collaboration and Conflict Engagement	
Total Credits		15

Medical Microbiology and Immunology

Graduate Study in Medical Microbiology and Immunology

Program Director: Patrick C. Swanson, Ph.D.
Program Office: Criss II, Room 529

Within the context of Creighton as a Jesuit, Catholic University, the School of Medicine 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.

Degree Programs

M.S., Medical Microbiology and Immunology (p. 128)

Ph.D., Medical Microbiology and Immunology (p. 128)

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. 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. 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. 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 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. 1-8 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. 1-8 credits. FA, SP, SU

Investigative work on a selected subject.

MIC 899. Doctoral Dissertation. 1-8 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.

M.S., Medical Microbiology and Immunology

M.S., Medical Microbiology and Immunology: (30 Credits)

Code	Title	Credits
MIC Courses 600- or 700-level		27
MIC 799	Master's Thesis	3
Total Credits		30

Ph.D., Medical Microbiology and Immunology

Ph.D., Medical Microbiology and Immunology Requirements: (90 Credits)

Code	Title	Credits
Required Courses		
IDC 601	Responsible Conduct of Research	1
MIC 721	Foundations of Microbiology	4
MIC 733	Advanced Microbial Pathogenesis	3
MIC 739	Bacterial Physiology	3
MIC 740	Host Defense	3
MIC 745	Cellular And Molecular Immunology	3
MIC 790	Current Topics in Medical Microbiology and Immunology	2

Directed Electives

Select 2 courses minimum from the following:		2-8
MIC 735	Diagnostic Microbiology	
MIC 746	Advanced Immunology	
MIC 749	Molecular Virology	
MIC 753	Advanced Antimicrobial Agents And Chemotherapy	
MIC 790	Current Topics in Medical Microbiology and Immunology	
MIC 893	Directed Independent Readings: Selected Advanced Topics In Medical Microbiology And Immunology	1-4

Courses from other departments may be considered if the graduate committee believe they would be beneficial to research development.

MIC 791	Department Seminar And Teaching	1
MIC 897	Directed Independent Research for Doctoral Students	1-8
MIC 899	Doctoral Dissertation	1-6

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.

Medical Sciences

Program Director: Naomi A. Schmalz, PhD

Program Office: Hixson-Lied Science Building, Rm 221

Graduate Study in Medical Sciences

The Master of Science degree in Medical Sciences is offered by the Department of Medical Education.

All students must begin the program in August with a Foundations of Medicine course taken with the first-year medical students. This 5-week course is followed by an integrated study of human organ systems that includes gross anatomy, physiology, histology, and embryology as related to clinical practice. Students have opportunities to dissect the entire body and engage in the analysis of medical cases. During late November and early December, time is dedicated to board prep or service learning, depending on individual student needs.

In the spring, students will work in small groups to examine ethical and humanitarian problems as well as attend autopsies and surgeries. Students will also identify a faculty mentor to begin work on their Capstone Project, an interdisciplinary project based on their coursework which will address a specific challenge to medicine.

The program lasts 10 months, concluding in May after students present their Capstone Projects to their faculty and peers. Successful students will graduate with a Master of Science degree with a major in Medical Sciences in May.

Program Goals

Graduates with a Master of Science degree in Medical Sciences will:

- describe the structure and function of the human body at the whole body, system, organ, and cellular levels.
- assess the signs and symptoms of pertinent human illnesses and relate them to the pathophysiology of disease.
- develop and employ an ethical framework for evaluating issues in biology and medicine.
- nurture professional development through a wide variety of interactions with medical and allied health professional as well as time dedicated to board prep or service.
- develop and demonstrate a habit of cognitive and affective reflection that enhances self-awareness.
- address personal learning gaps through critical, self-directed evaluation of scientific literature.
- explore, reflect and choose a professional path that matches an area of their passion and abilities.

All graduate students in good academic standing after the first semester in the program will be guaranteed an interview at Creighton University Medical School in March for possible admission in the subsequent fall.

Admissions Requirements

This course of study is primarily designed for students who wish to continue to pursue a professional degree in medicine, dentistry, or another health care profession. Graduates will also be prepared for careers in clinical anatomy education or biomedical science research.

Applicants must be a citizen or permanent resident of the U.S., must have earned at least a B.S. or B.A. with a strong science component, and must have attained at least a 3.0 grade point average. For graduates with a degree from a non-biology or non-chemistry program, coursework requires an advanced biology course (e.g. a 300-level cell/molecular/developmental biology) and statistics.

Students are required to take the Graduate Record Exam (GRE) or an equivalent professional school entrance exam (e.g. MCAT, DAT) less than two years prior to the application deadline. While there is no minimum score requirement, MCAT of 500, GRE of 50%, or DAT of 50% is preferred.

Applicants must submit three letters of recommendation; two of three letters must be from an assistant, associate, or full professor.

Students are required to complete a personal statement essay in which the applicant reflects on their motivation for admission to this program. In addition, students may wish to comment on significant fluctuations in their academic record that are not explained elsewhere in your application and/or include information such as unique hardships, challenges, or obstacles that may have influenced their educational pursuits.

Applicants must have the ability to meet the Creighton University School of Medicine's technical standards (medschool.creighton.edu/future-students/md-program/application-process (<https://medschool.creighton.edu/future-students/md-program/application-process/>)).

We review applications starting April 1st, interview outstanding applicants soon thereafter, and promptly send out decisions. All applications must be complete by June 15th. Applicants accepted to the program on or before April 15th must enroll by June 15th. Because our class is filled on a rolling basis, we strongly encourage prospective students to complete their applications and enroll as soon as possible. We know many students on medical school waiting lists wish to delay their application and enrollment for as long as possible. However, all unresolved applications are cancelled when the class fills. Only admitted applicants who enroll are ensured a seat in the program.

Medical Sciences Degree Programs

M.S., Medical Sciences (p. 131)

M.S., Integrated Medical Sciences (p. 130)

Program Faculty

Medical Education

Leah D. Chrisman, PhD
Venkatesh Govindarajan, PhD
Cassandra L. Hays, PhD
Kenneth L. Kramer, PhD
Naomi A. Schmalz, PhD

Medical Humanities

Kevin T. FitzGerald, SJ, PhD
Sara W. Bharwani, Ed.D.
James F. Clifton, SJ

Pharmacy Sciences

Anthony E. Kincaid, PT, PhD

Courses

MMS 600. Foundations of Medicine. 4 credits.

This five-week immersive course is taken with the first-year medical students and introduces the basics of medical cell and molecular biology. The course will use lecture, case discussion, and problem-based learning discussion to expose students to common pathologies and various specialty topics in preparation for the systems block.

MMS 601. Human Physiology. 2 credits.

This course examines basic concepts of cellular physiology and organ system physiology of the nervous, endocrine, muscle, cardiovascular, respiratory, gastrointestinal, and renal systems, as well as multisystem integration. P. Graduate standing or Instructor Consent.

MMS 602. Human Gross Anatomy. 5 credits.

Graduate students in the MS in Medical Sciences program have the opportunity to learn the detailed structure of the human body. Through integration of cadaveric dissection, a holographic atlas, and team-based learning, students will develop a thorough understanding of the 3D relationships necessary for a medical professional. Prereq: Instructor Consent.

MMS 603. Microscopic Anatomy. 3 credits.

This course is for graduate students in the MS in Medical Sciences program interested in the structure and function of human cells, tissues and organs at the microscopic level. The goal of the course is for students to develop an understanding of the architecture of human cells, tissues, and organs and to relate microscopic structure to the function, or disfunction, of the human organism. P. Instructor Consent.

MMS 604. Clinical Embryology. 2 credits.

This is a course in human embryology designed to provide students with insight into the important correlation between human embryology and clinical problems associated with pregnancy and birth defects. The course will cover development of all of the systems of the body. The fetus, placentation, birth and delivery will also be covered. Major congenital malformations will be discussed in detail. P. Instructor Consent.

MMS 620. Medical Ethics and Humanities. 2 credits.

Through multiple small-group discussions, this course aims to prepare health professionals to provide respectful, humane patient care and to address current ethical problems in health care.

MMS 630. Human Head and Neck Anatomy. 3 credits.

This course is for Master's in Medical Sciences students and is held concurrent with a course on human neuroanatomy. Using a dissection- and clinical-based approach, students will study the structure and anatomical systems of the head and neck.

MMS 635. Directed Independent Research. 4 credits.

This course presents students with an opportunity to conduct original investigation under supervision and guidance of individual faculty mentor. P. Approval of the Course Director. CO: IDC 627.

MMS 640. Clinical Rotations. 2 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.

MMS 645. Educational Techniques in Anatomy. 4 credits.

Master's in Medical Sciences students will have the opportunity to design and implement educational techniques appropriate for lecture, small group, and laboratory applications. Each student will prepare and deliver formal lectures and assist in teaching anatomy in the lab.

MMS 651. Capstone Project. 3 credits.

This course will present students with an opportunity to acquire foundational skills necessary for research in a medically-related discipline. After introduction to the scientific method and related topics, students will identify a mentor in the student's area of interest, develop a research proposal, and defend the research question and approach. Each student will then work with a Capstone Mentor to generate and present a poster summarizing their capstone project.

M.S., Integrated Medical Sciences

M.S., integrated Medical Sciences: (67 Credits)

The Master of Science degree in Integrated Medical Sciences (MSIMS) within the School of Medicine's Department of Medical Education is designed for former Creighton medical students who have satisfactorily completed Components I and II of the School of Medicine curriculum and have officially withdrawn from the MD program in the School of Medicine within the last year. Students can apply credits earned within the School of Medicine curriculum toward this degree. In addition to completing all Component I and Component II coursework in a satisfactory manner, students within the MSIMS program will be required to enroll in and successfully complete the MMS 651 - Capstone Course, within one year of initial enrollment into the program. Successful completion of the MSIMS program will enable students to demonstrate proficiency with the preclerkship coursework and enhance pursuit of medically-related careers. Admission to the M.S. degree in Integrated Medical Sciences is open only to Creighton University medical students with permission of the Program Director.

Code	Title	Credits
Required Courses from MD curriculum		
CIB 103	Foundational Science	5
CIB 105	Immunology and Hematology	4
CIB 107	Musculoskeletal and Integumentary Systems	7
CIB 109	Neuroscience	7
CIB 113	Cardiovascular System	5
CIB 115	Respiratory System	4
CIB 117	HEENT	2
CIB 119	Infectious Disease	3
CIB 202	Gastrointestinal System	5
CIB 204	Renal-Urinary System	4
CIB 206	Endocrine System	3
CIB 208	Reproductive System	4
CIB 210	Life Cycle	3
CIB 212	Multisystem Disease/Clinical Decision Making	5
CIB 218	Brain and Behavior	3
Degree Completion Course		
MMS 651	Capstone Project	3
Total Credits		67

M.S., Medical Sciences

M.S., Medical Sciences: (34 Credits)

Code	Title	Credits
Core Required Courses		
MMS 600	Foundations of Medicine	4
MMS 601	Human Physiology	2
MMS 602	Human Gross Anatomy	5
MMS 603	Microscopic Anatomy	3
MMS 604	Clinical Embryology	2
MMS 620	Medical Ethics and Humanities	2
MMS 630	Human Head and Neck Anatomy	3
MMS 640	Clinical Rotations	2
MMS 645	Educational Techniques in Anatomy	4
MMS 651	Capstone Project	3
NES 500	Introduction to Clinical Neuroscience	4
Total Credits		34

Ministry

Program Director: J. Jay Carney, PhD

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 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. Students enrolled in the dual degree program must satisfactorily complete NCR 624 as well. Satisfactory completion is a grade of "B" or better. Assessment in both MAM courses is based on academic competence, demonstrated aptitude for ministry and a ministerial attitude or disposition.

Degrees in Ministry

- M.A., Ministry (p. 132)

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. 0.5-3 credits.

Study of four of the major spiritual voices in the Western Christian Tradition: Benedictine, Franciscan, Jesuit, and Dominican. The course will focus on the historical context of their development, how they have influenced lay Christian life, and how they continue to contribute to living a Gospel spirituality.

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 776. Discernment of Spirits: Theory and Practice. 3 credits.

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.

MAM 780. Christian Prayer and Spirituality. 3 credits. (Same as CSP 700)

This course will introduce students to the historical and contemporary landscape of the Christian spiritual traditions. It will include consideration of the relationship between theology and spirituality and the Christian spiritual life considered in the context of the lively contemporary American interest in spirituality. While the Roman Catholic traditions of prayer and practice will be foregrounded, the ecumenical breadth of Christian spiritual traditions will also be considered. Emphasis will be placed upon the study and practice of various spiritual disciplines, especially forms of communal and personal prayer. In addition, there will be an overview of the major traditions and movements in the history of Christian spirituality. Students should gain an appreciation of their 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.

Ministry - M.A.

Master of Arts, Ministry

Courses in both the Christian Spirituality (CSP) and Master of Arts (MA) in Theology programs that are taught on campus may be taken in fulfillment of MAM (Master of Arts in Ministry) 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.

Degree requirements (46 credits):

Code	Title	Credits
Theology courses:		
MAM 610	Introduction to the Old Testament	3
MAM 620	Introduction to New Testament	3
MAM 630	Christology	3
MAM 640	Ecclesiology: Theology of Church and Ministry	3
MAM 650	Moral Theology and Decision Making	3
MAM 660	Worship, Liturgy and Sacrament	3
MAM 676	Theology and Catechesis	3
MAM 680	Ministerial Ethics and Leadership Skills	3
MAM 761	Historical Development of Fundamental Doctrine	3
MAM 769	Historical Spiritualities in the Christian Tradition	3
MAM 772	Canon Law, Catholic Identity and Ecumenism	3
Moral Theology		
MAM 780	Christian Prayer and Spirituality	3
Professional and Personal Development:		
MAM 675	Orientation to Study and Ministry	1
MAM 677	Personal Human and Spiritual Development of the Minister	1
MAM 678	Introduction to Psychological Issues in Ministry	1
MAM 679	Lay Spiritual Movements	1
MAM 792	Internship	4
MAM 799	Synthesis in Lay Ecclesial Ministry	2
Total Credits		46

Negotiation and Conflict Resolution (NCR)

Program Director: Mary Lee Brock, M.Ed.

The Negotiation and Conflict Resolution Program Vision

The Negotiation and Conflict Resolution Program (NCR) forms conflict-competent agents of social change for a just and equitable world.

The Negotiation and Conflict Resolution Program Mission

The Negotiation and Conflict Resolution (NCR) Program is grounded in the belief that dealing constructively with conflict is essential for professional, personal, and community growth. Our mission is to prepare agents of social change to engage and resolve conflict effectively, efficiently, and humanely. In advancing this mission we are guided by and build on the Jesuit Catholic commitment to social justice, responsible leadership, and professional distinction.

Admission Requirements

The requirements listed below apply to the Graduate Certificate in Negotiation and Conflict Resolution.

- Completed application (requires non-refundable \$50 fee)
- Statement of purpose. Write 500-750 words focusing on your long-term goals and why you believe this program is a perfect fit for you.
- Resume
- Bachelor's degree from an accredited institution and transcripts for all bachelor's and post-bachelor's coursework. Transcripts must be sent directly from the issuing school with the institution's official stamp.

International Students Only:

- Test of English as a Foreign Language (TOEFL). 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).
- 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.

The certificate curriculum establishes 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 value
- 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 (p. 134) Online
- Health Care Collaboration and Conflict Management (p. 135) Online

Courses

NCR 603. Negotiation. 3 credits.

This course introduces students to negotiation as a method of conflict engagement. Students identify the theories, concepts, and skills necessary to negotiate in interpersonal, intergroup, and intragroup settings. The course provides students the opportunity to practice their negotiation skills in a variety of activities and exercises intended to strengthen their confidence as negotiators. The course emphasizes self-reflection by drawing special attention to students' personal conflict styles and determining the strengths and shortcomings of those styles in negotiations.

NCR 620. Introduction to Conflict Engagement. 3 credits.

This course introduces students to the field of conflict engagement. It presents theoretical explanations of the causes of conflict and leads students to an identification and understanding of their response to and style of conflict engagement. There is a focus on explaining and distinguishing between a broad range of conflict engagement processes including negotiation, mediation, and facilitation, so that students will be able to apply the appropriate process to various types of conflict which they may encounter in their lives and practice.

NCR 622. Conflict Engagement and Leadership. 3 credits.

This course considers leadership through a conflict engagement lens. Conflict perspectives provide useful insights into traditional views of leaders and leadership. Insights into social groups and dynamics have shifted, however, away from a hierarchical and directive understanding of leaders. Understandings of complex systems and networks highlight a less centralized, more distributed type of leadership. Relationships and stories are the fabric of leadership, and we dive into these in the contexts of organizations and communities.

NCR 624. Dynamics of Conflict Resolution and Engagement. 3 credits.

This course examines the fundamental nature of conflict: how conflict arises; the patterns it follows; the different levels at which it gets expressed; and the different ways in which people, communities, organizations, and societies understand and approach conflict. The course considers a range of theoretical approaches to conflict and conflict resolution and looks at particular dynamics that define the way in which conflict plays out. The course considers particularly how conflict is defined by the interplay of power, communication, and culture.

NCR 626. Culture, Gender and Power Differences in Conflict. 3 credits.

This course takes an interdisciplinary look at issues related to the role of culture, gender and other factors in conflict analysis and resolution. The course provides 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 are discussed. Additionally, the relationship between culture, gender, and oppression is discussed.

NCR 629. Organizational Collaborative Practice and Conflict Engagement. 3 credits.

In today's competitive environment, organizations increasingly must cope with complexities, uncertainties, and conflict. The ability to build teams for collaborative work and to manage and learn from conflict effectively is critical in today's organization. In this course students learn techniques and approaches for organizational teambuilding, conflict management, and process facilitation and consulting.

NCR 630. Health Care Collaboration and Conflict Engagement. 3 credits.

With a focus on practical application of process tools and systems design strategies, students learn effective conflict engagement techniques that can be integrated into clinical settings to improve clinical outcomes, reduce medical errors, reduce risk of lawsuit, increase patients' trust in the healthcare system, and effectively manage legal and ethical issues that may arise.

NCR 632. Effective Conflict Engagement for Educational Leaders. 3 credits.

This course explores personal response to conflict as well as a variety of conflict interventions for elementary and secondary schools such as negotiation, mediation, facilitation, and formal hearing. The course addresses strategies for having difficult conversations with individuals or groups. Other topics include the restorative justice approach to discipline, special education mediation and IEP facilitation, and child custody conflicts between parents. P. DC.

NCR 635. Facilitative Conflict Engagement. 3 credits.

In this course, students examine 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, and the value of diversity are explored. Students apply theory to practice through simulations, case studies and interactive group discussions.

NCR 690. Family Systems in Conflict. 3 credits.

This course focuses on the special nature of family conflict, some of the dynamics to be considered when dealing with families in conflict and the different approaches to intervention and engagement in family conflict by a third party.

NCR 733. Practicum. 3-4 credits.

In consultation with the practicum faculty, students develop a practical field experience to further engage and apply their skills in a professional or organizational setting of their choice. Working with a site supervisor in the student's community, students demonstrate their ability to apply theory to practice and analyze situations using knowledge gained from previous coursework. P. DC.

Graduate Certificate in Negotiation and Conflict Resolution - Online

Graduate Certificate In Negotiation and Conflict Resolution

Program Director: Mary Lee Brock, M.Ed.

The online Negotiation and Conflict Resolution Graduate Certificate requires 15 credit hours of course work.

Code	Title	Credits
Required Courses		
NCR 603	Negotiation	3
NCR 620	Introduction to Conflict Engagement	3
NCR 624	Dynamics of Conflict Resolution and Engagement	3
6 Elective Credits selected from these courses		6
NCR 622	Conflict Engagement and Leadership	
NCR 626	Culture, Gender and Power Differences in Conflict	
NCR 629	Organizational Collaborative Practice and Conflict Engagement	

NCR 630	Health Care Collaboration and Conflict Engagement	
NCR 635	Facilitative Conflict Engagement	
NCR 690	Family Systems in Conflict	
Total Credits		15

Certificate in Health Care Collaboration and Conflict Management

Graduate Certificate In Health Care Collaboration and Conflict Management

Program Director: Mary Lee Brock, M.Ed.

Certificate requirements (15 credits):

Code	Title	Credits
6 Required credits		
NCR 620	Introduction to Conflict Engagement	3
NCR 630	Health Care Collaboration and Conflict Engagement	3
9 Elective Credits selected from these courses		
NCR 622	Conflict Engagement and Leadership	
NCR 624	Dynamics of Conflict Resolution and Engagement	
NCR 626	Culture, Gender and Power Differences in Conflict	
NCR 629	Organizational Collaborative Practice and Conflict Engagement	
NCR 690	Family Systems in Conflict	
Total Credits		15

Nursing

nursing.creighton.edu (<https://nursing.creighton.edu/>)

Dean: Jessica Clark, DNP, RN

Associate Dean for Academics, Assessment, and Accreditation: Mary Kunes-Connell, PhD, RN

Assistant Dean, Graduate Programs: Nancy Bredenkamp PhD, APRN

Graduate Study in Nursing

Creighton University College of Nursing offers graduate degree programs leading to the Master of Science in Nursing (MSN) or the degree of Doctor of Nursing Practice (DNP). The College offers an APRN post-graduate certificate program for nurses who have previously earned a graduate degree as a nurse practitioner, midwife, certified nurse anesthetist, or clinical nurse specialist and want to pursue certification within another population focus. The College also offers a post-graduate certificate in nursing education.

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 advanced knowledge and skills in health promotion, prevention, restoration, maintenance, and care management to achieve 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 degree program in nursing, Doctor of Nursing Practice program, and APRN post-graduate certificate program at Creighton University are accredited by the Commission on Collegiate Nursing Education (<http://www.ccnaccreditation.org>)

Degrees in Nursing

- Doctor of Nursing Practice, DNP (p. 148)
- Master of Science in Nursing, MSN (p. 157)

Certificates in Nursing

- Post-Graduate Certificates (p. 154)

Courses

NUR 561. Definitions of Health - Implications for Care: Austria, Hungary and the United States. 3 credits. SU

NUR 561 explores different understandings of health and how these influence perceptions of care and policies pertaining to public health and health care. Students will compare and contrast their own understandings, perceptions, and knowledge about health care and public health in the U.S. with those of diverse groups encountered during a two-week program in Austria and Hungary, providing them with a unique opportunity to explore innovative thoughts and approaches for public health and health care in the United States. P. Junior or Senior standing.

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. 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.

NUR 618. Population-Based Health Care for Advanced Practice Nursing. 3 credits. SU

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. P. NUR 684.

NUR 633. General Neonatal Management. 3 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 743.

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 neonatal diseases. P. NUR 633; CO: NUR 644; P or CO: NUR 686 and NUR 692.

NUR 644. Practicum II: Neonatal Nurse Practitioner. 2 credits. FA

NUR 644 is a preceptor-supervised course designed to continue the development of 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 743; CO: NUR 643.

NUR 650. Advanced Pathophysiology Across the Lifespan. 3 credits. FA, SP

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 652. Advanced Neonatal Pathophysiology. 1 credit. FA, SP

This course is designed to provide the student with an understanding of the relationship between normal embryology and fetal development and normal physiologic functioning with the pathophysiologic phenomena that can occur in the fetus and neonate. A relationship between the pathophysiologic occurrence and the consequential clinical manifestations is explored. This base serves as one of the primary components for clinical assessment, decision-making, and management of neonatal disorders. Students will work independently under the guidance of the faculty. This course is designated for those students who have taken an adult or lifespan advanced pathophysiology course, but need the required neonatal content provided to Creighton students.

NUR 660. Pathway to Success for Role Support Courses. 1 credit. FA, SP, SU

NUR 660 supports improving students' understanding of critical concepts and skills through content review and application in preparation for resuming specialty and role practicum courses. The curriculum will cover advanced pharmacology, pathophysiology, health assessment, medical management, and a competency simulation evaluation to provide hands-on experience and reinforce classroom learning. The course ensures content mastery before progression. This course aims to provide a structured approach to remediating clinical deficiencies, improving critical thinking, and ensuring competence in delivering high-quality patient care.

NUR 664. Well Child Care Management. 1 credit. SU

NUR 664 is designed for family and pediatric dual track nurse practitioner students with a focus 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. P. NUR 694 and NUR 687; CO: NUR 665 (Peds) or NUR 741 (Family); P or CO: NUR 685.

NUR 665. Practicum I: Care of the Well Child. 2 credits. SU

NUR 665 is the first preceptor-supervised practice course for advanced practice nursing (APN) students in which they progress along the trajectory from novice to competent advanced practice nurses in the role of Pediatric Dual track program with a focus on care and coordination for the well child. Building on the knowledge and skills learned in their baccalaureate programs of study and in the previous courses, students focus on developing advanced competencies. Students work in clinical settings with preceptors who provide guidance and feedback in the areas of history and physical assessment and diagnostic reasoning in the care of the well child. Requires 150 direct clinical hours. Co: NUR 664.

NUR 683. Statistics and Data Analysis for Evidence-Based Nursing Practice. 3 credits. FA, SP

NUR 683 focuses on descriptive and inferential statistics used in health care and foundational to the empirical "evidence" supporting evidence-based practice. Students will develop skills for evaluating published empirical research in nursing and related health care disciplines. Emphasis is on identifying the appropriate research design, statistical tests, and results interpretation given a specific practice based question. The course focuses on an applied perspective, with examples presented through discussion of material from the text book, material from actual studies, and critiques of selected articles from peer-reviewed journals. P. Successful completion of an Undergraduate statistics course.

NUR 684. Epidemiology. 3 credits. SP, SU

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. SP, 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, MHE 600.

NUR 686. Evaluative Methods for Evidence-Based Nursing Practice. 3 credits. FA, SU

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 & NUR 692.

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 and compliance 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 607, NUR 650. P or CO: NUR 756 for Family and Adult Gerontology Acute Care tracks.

NUR 702. Management of the High Risk Neonate II. 2-3 credits. SP

NUR 702 offers student an intensive exploration of various neonatal conditions, ranging from genetic and chromosome abnormalities to immunological, endocrine/metabolic, renal and genital, musculoskeletal, hepatic, and EENT disorders. The course places special emphasis on the extremely low birth weight infant and ethical/legal considerations. It provides an overview of the management strategies and diagnostic techniques used in the assessment and care of some of the more complex neonatal diseases, the care of the fragile child and primary care and management of infants and children 0-2 years. P. NUR 643; CO: NUR 753 or NUR 855:D (Neonatal track).

NUR 703. Psychiatric Mental Health across the Lifespan I. 4 credits. SU

NUR 703 is designed to provide the fundamentals needed for PMH-NP students to apply the diagnostic reasoning process contained in, and associated with, the Diagnostic and Statistical (DSM) Manual. This course emphasizes methods in the practice of psychiatry in caring for individuals with mental health disorders which include; conducting a psychiatric interview, developing awareness to the neurological components that underpin common mental health disorders, developing an understanding in treatment including, pharmacology, therapy and non-medication strategies. Faculty and students discuss common presenting psychiatric disorders seen in the general population. The structured diagnostic interview, physical examinations, diagnostic and laboratory tests, and alternative diagnostic tests, such as the psychological examination, are discussed as methods to assess symptoms and determine corresponding psychiatric diagnosis. Through selected clinical scenarios, students are provided with opportunities to apply their knowledge and skill in the diagnostic reasoning process. P. NUR 687 and NUR 694. Co: NUR 744. P or Co: NUR 685.

NUR 704. Health Care Policy and Law. 2 credits. SP, SU

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 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 conditions 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. 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. P. NUR 687 and NUR 694; CO: NUR 741; P or CO: NUR 685.

NUR 718. Advanced Adult - Gerontology Acute Care Nursing I. 4 credits. SU

NUR 718 provides a theoretical base for Adult Gerontology Acute Care Nurse Practitioner students to diagnose and manage health problems of adults and older adults in a variety of settings including primary and acute care. Content includes management strategies from the domains of nursing and pharmacology and emphasizes direct care to patients with health problems in selected organ systems. Students are expected to apply the concepts and theories discussed in class to the care of adult patients across the lifespan in subsequent clinical courses. P. NUR 687, NUR 694. CO: NUR 739. P or CO: NUR 685.

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. P or CO: NUR 692.

NUR 721. Practicum II: 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. Students will have opportunities to further advance knowledge and clinical skills in performing diagnostic and therapeutic procedures related to the role of the nurse practitioner. This practicum requires 150 direct clinical hours. P. NUR 741; 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 664; CO: NUR 721 (Family) or NUR 734 (Peds); P or CO: NUR 692.

NUR 726. Certificate Practicum: Family Nurse Practitioner. 3 credits. SP

NUR 726 is the final preceptor-supervised practicum course in the Post-Graduate 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 encountered across the lifespan and treated predominately in primary care settings. This practicum requires 225 direct clinical hours. P. NUR 720, NUR 721 and NUR 722; CO: NUR 731.

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 NUR 722; CO: NUR 726 (Family Post Grad Certificate) or NUR 855 (BSN to DNP).

NUR 733. Psychiatric Mental Health Across the Lifespan II. 4 credits. FA

NUR 733 provides PMH-NP students with an introduction to the neurosciences and the role the specialty plays in the understanding of the genetics, pathophysiology, diagnosis, and psychopharmacotherapeutic treatment of behavioral health disorders with emphasis on specialty populations. This course provides PMH-NP students with content on population-specific current counseling, psychotherapy, and psycho-educational models with special emphasis on specialty populations. Various therapeutic approaches for use in specialty populations, including but not limited to cognitive behavioral therapy, parent management training, contingency management and, psychodynamic/psychoanalytic psychotherapy, are highlighted in this course. Building on principles in the advanced pathophysiology and advanced pharmacology courses, NUR 733 emphasizes relationships between neurobiology, symptomatology, and the implications for pharmacological, non-pharmacological and psychotherapeutic interventions for populations across the lifespan suffering from mental disorders. P. NUR 703; Co: NUR 735; P or CO: NUR 692.

NUR 734. Practicum II: Primary Care Pediatrics II. 2 credits. FA

NUR 734 is the second preceptor-supervised practice course for advanced practice nursing (APN) students in which they progress along the trajectory from novice to competent advanced practice nurses in the role of Pediatric Dual track program. The emphasis is on further development of clinical assessment and diagnostic reasoning skills as well as diagnosing and treating common acute and chronic health problems of children in the primary care setting. Students work in with preceptors who provide guidance and feedback in the diagnosis and management of these children. This practicum requires 150 direct clinical hours. P. NUR 665; CO: NUR 722.

NUR 735. Practicum II: 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. This practicum requires 150 direct clinical hours. P. NUR 744. CO: NUR 733.

NUR 737. Care of the Pediatric Patient in the Urgent/Emergency Setting. 2 credits. SP

NUR 737 provides a theoretical and practical base for students to diagnose and manage pediatric patients in the urgent/emergency care settings. Content includes a system's approach for common pediatric disorders presenting in the emergency/urgent care setting. Clinical decision making skills involved in assessing, triaging, diagnosing, and managing these patients are addressed. P. NUR 722; CO: NUR 740.

NUR 739. Practicum I: Adult-Gerontology Acute Care Nurse Practitioner. 2 credits. SU

NUR 739 is designed to allow students to develop competency in advanced health assessment and to begin the development of the adult-gerontology acute care nurse practitioner role by providing health care services to adolescents through older adults in a primary care setting. The course emphasizes the development of advanced physical assessment skills, recognition of pertinent physical assessment findings and application of diagnostic reasoning skills to design and implement evidence-based treatment plans for common and uncomplicated acute, episodic, and chronic health problems of adolescents through older adults in the primary care setting. The student develops knowledge on integrating health promotion and disease prevention into management plans. 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 150 direct clinical hours. P. 2000 hours of direct patient care; CO: NUR 718.

NUR 740. Practicum III: Pediatric Acute and Primary Care in the Urgent/Emergency Care Setting. 2 credits. SP

NUR 740 is the third preceptor-supervised practice course for pediatric dual acute/primary care nurse practitioner students in which they further their role development by providing healthcare services to pediatric patients in the urgent/emergency care settings. The emphasis of this course is on the development of assessment and diagnostic reasoning skills in the assessment, triaging and management of pediatric patients in the urgent/emergency care settings. This practicum requires 150 direct clinical hours. P. NUR 734; CO: NUR 737, NUR 899.

NUR 741. Practicum I: Family Nurse Practitioner. 2 credits. SU

NUR 741 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 emphasizes 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. This practicum requires 150 direct clinical hours. P. 2000 hours of direct patient care experience; CO: NUR 714, NUR 664.

NUR 742. Psychiatric Mental Health Across the Lifespan III. 4 credits. SP

NUR 742 is designed as the final didactic course for the Psychiatric Mental Health Nurse Practitioner students. Students continue to engage in the role of the advanced practice nurse consistent with the competencies of doctoral education for advanced nursing practice. 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, consultation psychiatry, substance and alcohol treatment, EMDR, TMS, and tele psychiatry as well as group, family and individual therapy. Unique rural mental health needs will be explored. Also, students will hone their skills of combining both psychotherapeutic techniques with psychiatric medication management for both acute and chronic psychiatric patient populations in preparation for their certification exam. P. NUR 733; CO: NUR 774 or NUR 855.

NUR 743. Practicum I: Neonatal Assessment and Management. 2 credits. SU

NUR 743 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 pathophysiology, neonatal assessment, emergency stabilization, radiological evaluation, laboratory interpretation, and diagnostic reasoning to the care of normal and low-risk neonates in the NICU. This practicum requires 150 direct clinical hours. P. 4000 hours of NICU patient care experience. CO: NUR 633, NUR 751.

NUR 744. Psychiatric Mental Health Across the Lifespan Practicum I. 2 credits. SU

NUR 744 will focus on developing advanced competencies in the assessment of health status of patients that are encountered in the psychiatric mental health setting. The course is designed to provide the PMHNP students the opportunity to collaborate with preceptors to conduct comprehensive physical and mental health assessments, synthesize data from multiple sources, and determine an appropriate differential diagnosis for patients experiencing psychiatric disorders. Clinical Experiences will aim to incorporate introductory level psychiatric experiences including psychiatric patients in outpatient and/or inpatient clinical settings. In collaboration with their preceptor, students will begin to develop an advanced knowledge base regarding scope of practice, differential diagnoses, clinical skills, assessment tools/practices, medication management practices and therapeutic treatment modalities. The course will also explore dynamics of the specific psychiatric nurse practitioner roles, role expectations, and cultural implications. This practicum requires 150 direct clinical hours. P. 2000 hours of direct patient care experience. CO: NUR 703.

NUR 746. Advanced Adult-Gerontology Acute Care Nursing II. 4 credits. FA

NUR 746 provides a theoretical and practical base for Adult-Gerontology Acute Care Nurse Practitioner students to diagnose and manage health problems of adults and older adults in a variety of settings including 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. P. NUR 718; CO: NUR 749; P or CO: NUR 692.

NUR 747. Advanced Adult-Gerontology Acute Care III. 2 credits. SP

NUR 747 provides a theoretical and practical base for Adult-Gerontology 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, 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 II: Adult-Gerontology Acute Care Nurse Practitioner. 2 credits. FA

NUR 749 is designed to allow students to continue the development of the adult-gerontology acute care nurse practitioner role by providing health care services to adolescents through older adults in acute care settings. The course emphasizes further development of clinical assessment and diagnostic reasoning skills to design, implement, and evaluate evidence-based treatment plans for common and more complicated acute, episodic, and chronic health problems of adolescents, adults, and older adults in the acute care setting. Students will have opportunities to further advance knowledge and clinical skill in performing diagnostic and therapeutic procedures related to the role of the nurse practitioner. This practicum requires 150 direct clinical hours. P: NUR 739; CO: NUR 746.

NUR 750. Certificate Practicum: Adult-Gerontology Acute Care. 5 credits. SP

NUR 750 is the final preceptor supervised practicum course for students in the post-graduate certificate program in which they are immersed in the advanced practice nursing role as an adult-gerontology acute care nurse practitioner. Students will develop competency in the diagnosis and management of common and chronic health problems of young, middle age, and older adults who present and are treated predominantly in acute and critical care settings. This practicum requires 375 direct clinical hours. P: NUR 749. CO: NUR 747.

NUR 751. Diagnostic and Therapeutic Procedures for Neonatal Nurse Practitioners. 1 credit. SU

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. This course requires 60 lab hours. P: NUR 615. CO: NUR 743.

NUR 752. Embryology and Genetics of the Developing Newborn. 2 credits. SP, SU

NUR 752 is designed to prepare neonatal advanced practice nurses to use embryology, genetics, and developmental concepts when assessing neonatal and pediatric patients with a variety of healthcare conditions.

NUR 753. Certificate Practicum: Neonatal Nurse Practitioner. 5 credits. SP

NUR 753 is the final preceptor-supervised practicum course for neonatal practitioner (NNP) students in the post-graduate certificate program 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 or Level IV NICU. The emphasis of the course is on developing competence in diagnosing and treating a full range of common and complex disorders seen in the neonatal population. This practicum requires 150 direct clinical hours. P: NUR 644; CO: NUR 702.

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 762. Principles of Teaching & Learning. 3 credits. SP

This course provides the novice educator with foundational knowledge of teaching and learning theories, principles, and strategies. Students in this course will formulate desired learning outcomes and identify pedagogical strategies for diverse learners in both academic and clinical care delivery settings. P: NUR 606, NUR 651, Program Admission or Instructor Consent.

NUR 763. Educational Assessment & Evaluation Strategies. 3 credits. SU

NUR 763 presents key concepts for assessing and evaluating learning outcomes and teaching effectiveness at the learner, course, and program levels. Students will explore and develop various strategies for assessment, engage in data analysis, and analyze legal and ethical considerations related to assessment. P: NUR 762 or Instructor Consent.

NUR 764. Innovations in Curriculum Design, Program Assessment, & Accreditation. 3 credits. FA

Students in NUR 764 will gain an understanding of the various factors influencing nursing education and curriculum development. Emphasis will be placed on innovative curricular designs to meet the evolving needs of diverse learners. Students will also apply knowledge of assessment and evaluation to explore the role of accreditation standards in education and in healthcare. P: NUR 763 or Instructor Consent.

NUR 766. Nurse Educator Role Transition. 1 credit. SP

NUR 766 is a seminar component required for reflection, inquiry, and synthesis of the nurse educator role. Students will reflect on their professional development as they begin their transition from nurse clinician to nurse educator. P: NUR 769; P or CO: NUR 764.

NUR 767. Nursing Educator Capstone Seminar. 1 credit. FA

NUR 767, students will integrate elements of the evidence-based decision-making process with systematic review of the scientific literature. Students identify a problem of clinical importance, search and critically appraise the literature related to the identified problem and its resolution, and propose an evidence-based approach for addressing the problem and improving outcomes. P: NUR 685, NUR 762, NUR 763. CO: NUR 686, NUR 764.

NUR 768. Nurse Educator Practicum. 3 credits. SP

NUR 768 allows students in the Nurse Educator Certificate Program to engage in activities that meet the core competencies for academic nurse educators. Under the supervision of an experienced educator-preceptor, students will complete a teaching practicum in which they will assess learning needs, design and implement appropriate pedagogical strategies and perform formative and summative assessments for a cohort of learners. Students will produce a scholarly paper in which they synthesize the literature related to a chosen pedagogical strategy and propose a plan to implement and assess the strategy. P: All required research and theory core, leadership and policy core, and role support core courses, 4000 hours of direct patient care experience; P or CO: NUR 766.

NUR 769. Nurse Educator Practicum I: Clinical Focus. 1 credit. SU

In NUR 769, students will apply advanced nursing theory to improve the care of a selected population of interest. Students will integrate knowledge of advanced pathophysiology, pharmacology, and health assessment into care management of a selected population to achieve defined health outcomes. The practicum emphasizes social determinants of health and care management strategies and their impact on individual and population health outcomes. Students will identify an area of scholarly inquiry in collaboration with faculty and preceptors. 1 credit hour; 75 practicum hours. P: NUR 687, NUR 694, NUR 762 and 2000 hours of direct patient care experience. CO: NUR 763 or IC.

NUR 774. Certificate Practicum: Psychiatric Mental Health across the Lifespan Nurse Practitioner. 5 credits. SP

Residency: NUR 774 is the final preceptor-supervised practicum course in the post-graduate certificate program in which students are immersed in the full scope of the advanced practice nursing role as a Psychiatric Mental Health Nurse Practitioner. Students will develop competency in diagnosing and treatment of a full range of common acute and chronic psychiatric mental-health problems of adult, older adults, pregnant women and children who present and are treated predominantly in psychiatric-mental health settings. this practicum requires 375 direct clinical hours. P: NUR 735; CO: NUR 742.

NUR 776. Practicum: Complex System Leadership. 2 credits. SU

NUR 776 is designed to provide practicum experiences to increase the breadth of understanding of the competencies required of the leadership role and shifting to a new paradigm of leading in complex times. Through productive inquiry and organizational assessment, student examine the structures, processes, and outcomes important in the delivery of patient care. Students begin to identify the impact of accelerated change on the micro system. This course requires 150 practicum hours. P: NUR 689. P or CO: NUR 685.

NUR 777. Practicum: Resource Management. 2 credits. FA

NUR 777 is designed to provide practicum experiences in the application of leadership competencies associated with relationship building, human resource management, and human resource leadership skills. Students apply effective communication and relationship management skills for influencing organizational behaviors. 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 strategic strategies for creating and sustaining a culture where quality and safety are paramount. Systems thinking skills are utilized as an approach to analyze structures, processes, and outcomes. This course requires 150 practicum hours. P: NCR 603-795 Elective Course; CO: NUR 787.

NUR 778. Strategic Systems Leadership. 3 credits. SP

NUR 778 students develop leadership principles utilizing competencies necessary for strategic leadership in health care systems. Students examine clinical microsystems influence on patient safety, satisfaction and improving performance. Clinical microsystems will be assessed utilizing microsystems analysis, cost indicators, strategic operational planning, healthcare finance and performance improvement metrics. Systems analysis will be completed utilizing various systems archetypes. P: NUR 787; CO: NUR 779.

NUR 779. Practicum: Leading and Improving Quality. 2 credits. SP

NUR 779 students practice within their specialty role and apply principles of information monitoring and benchmarking analysis to lead process improvement of delivery models and work design to improve meso and macro systems, safety, quality, and outcomes. Visionary thinking is encouraged on issues that impact the macrosystem by developing new delivery models to improve quality through innovative work design, systems improvement and analyzing benchmarking data. This course requires 150 practicum hours. P: NUR 777; CO: NUR 888; NUR 899 or NUR 900.

NUR 780. Practicum: Quantum Executive Leadership. 2 credits. SU

NUR 780 students compose skills of leading healthcare organizations in constant motion and change. Students practice transformational leadership by synthesis of evidence, identification of patterns, and adaption and outcomes analysis. Students formulate strategies to influence policy and improve structure, process, and outcomes in macrosystem leadership by incorporating relational and whole systems thinking. This course requires 150 practicum hours. P: NUR 779; CO: NUR 888 and NUR 899 or NUR 900.

NUR 781. Nursing Administration and Leadership Innovations Seminar. 2 credits. FA

NUR 781 students advance competence of specialized knowledge and skills in macrosystems leadership through career path development and implementing roles in the leadership of innovative care delivery systems. Students integrate reflective practice to address population health ethical dilemmas and global leadership trends in resolving complex healthcare issues. P: NUR 888; CO: NUR 782.

NUR 782. Practicum: Macrosystems Innovations. 3 credits. FA

NUR 782 students practice within their specialty role as they continue to develop competence in macrosystems leadership including: disruptive innovation, forming medical staff relationships, academic relationships, representing nursing to governing bodies, evaluating community healthcare needs, diversity, and ethics through involvement in the broader community. This course requires 225 practicum hours. P: NUR 780; CO: NUR 781 and NUR 899 or NUR 900.

NUR 783. MSN Scholarly Project Seminar. 1 credit. FA

In NUR 783 students will integrate elements of the evidence-based decision-making process with systematic review of the scientific literature. Students identify a problem of importance, in healthcare leadership search and critically appraise the literature related to the identified problem and its resolution and propose an evidence-based approach for addressing the problem and improving outcomes. P: NUR 776; P or CO: NUR 686; NUR 777.

NUR 784. Nurse Manager Residency. 3 credits. SP

NUR 784 is designed to engage students in activities that meet the core competencies for nurse managers of managing the business, creating the leader within and leading people. Under the supervision of an experienced manager, students will demonstrate skill, knowledge, and abilities in the advanced nursing leader role. Students will complete and disseminate their scholarly project to stakeholders and the wider nursing community. This course requires 225 practicum hours. P: All required Research and Theory Core, Leadership and Policy Core, Role Support and Specialty Role courses.

NUR 787. Organizational Transformation. 3 credits. FA

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 689; P or CO: NUR 686; CO: NUR 777.

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. P. Instructor consent.

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. P. Instructor consent.

NUR 798. Nurse Educator Residency. 3 credits. SP

The Residency allows students to engage in activities that meet the core competencies for academic nurse educators. Under the supervision of an experienced educator-preceptor, students will complete a teaching practicum in which they will assess learning needs, design and implement appropriate pedagogical strategies and perform formative and summative assessments for a cohort of learners. Students will complete and disseminate their scholarly project to stakeholders and the wider nursing community. This practicum requires 225 direct clinical hours. P. All required Research and Theory Core, Leadership and Policy Core, and Role Support and Specialty Role Courses and NUR 764, NUR 769; P or CO: NUR 766.

NUR 810. Care of the Acute and Chronically Ill Child. 4 credits. SU

NUR 810 is designed to provide students with didactic content in common pediatric problems seen in the acute care setting as well as care and coordination of the chronically ill child. Content covers common pediatric disorders in the neurological, respiratory, cardiovascular, gastrointestinal, genitourinary, musculoskeletal, & 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 as well as concepts surrounding care of the medically fragile child. P. NUR 737; CO: NUR 812.

NUR 812. Practicum IV: Pediatric Acute Care Nurse Practitioner. 2 credits. SU

NUR 812 is the fourth preceptor-supervised practicum course for Pediatric Dual Track Nurse Practitioner students. The course allows students to begin the development of the Pediatric Acute Care Nurse Practitioner role by providing health care services to pediatric patients & 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 practicum requires 150 direct clinical hours. P. NUR 740; CO: NUR 810, NUR 899.

NUR 814. Care of the Critically Ill Child. 3 credits. FA

NUR 814 builds on previous coursework by strengthening the foundation for advanced clinical management of acutely ill children. The focus of this course is on the application of the care management process to selected high acuity pediatric conditions in the critical 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 critical 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 810; CO: NUR 816.

NUR 816. Practicum V: Pediatric Acute Care Nurse Practitioner II. 3 credits. FA

NUR 816 is the fifth preceptor-supervised practicum course for Pediatric Dual track Nurse Practitioner Students. This course allows students to continue the development of the Pediatric Acute Care Nurse Practitioner role by providing health care services to pediatric patients and their families in acute and critical 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 225 direct clinical hours. P. NUR 812; CO: NUR 814, NUR 899.

NUR 855. DNP Practicum III. 2 credits. SP

Practicum III is the third practicum course for students in the Doctor of Nursing Practice program in which students continue to develop competencies 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 B: Adult-Gerontology Acute Care; Section C: Family; Section D: Neonatal; Section E: Psychiatric Mental Health. This practicum requires 150 direct clinical hours. P. NUR 644 (Neonatal); or NUR 721 (Family); or NUR 735 (Psychiatric Mental Health); or NUR 749 (Adult-Gerontology Acute Care). CO: NUR 899 and NUR 702 (Neonatal); or NUR 899 and NUR 731 (Family); or NUR 899 and NUR 742 (Psychiatric-Mental Health); or NUR 899 and NUR 747 (Adult-Gerontology Acute Care).

NUR 856. DNP Practicum IV. 2 credits. SU

NUR 856 is the fourth 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 B: Adult-Gerontological Acute Care track; Section C: Family track; Section D: Neonatal track; Section E: Psychiatric Mental Health track. P. NUR 684, NUR 704, NUR 731 and NUR 855 (Family track); or NUR 747 (Adult Gerontology Acute Care track); or NUR 702 (Neonatal track); or NUR 742 (Psychiatric Mental Health track). CO: NUR 899.

NUR 857. DNP Practicum V. 3 credits. FA

NUR 857 is the fifth 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 B: Adult-Gerontology Acute Care track; Section C: Family track; Section D: Neonatal track; Section E: Psychiatric Mental Health track. P. NUR 856; CO: NUR 899. P or CO: All required NCR credits.

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. NUR 778, and NUR 899 or NUR 900 or Instructor consent; CO: NUR 780.

NUR 899. DNP Scholarly Project Seminar. 1 credit. 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 minimum of 3 credit hours in NUR 899, during which he or she develops the Scholarly Project. NUR 899 is taken in 1 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. Requirements for Satisfactory completion of each NUR 899 credit will be identified in the syllabus. This course is graded satisfactory/unsatisfactory. P. NUR 686; CO: Practicum Courses in Role Specialty.

NUR 900. DNP Scholarly Project. 1-4 credits. FA, SP, SU

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 hour increments. One hour is a seminar credit hour and one hour is a practicum credit hour. 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. Once a student has enrolled in 6 credit hours if NUR 900, the student must continue to enroll in a minimum of one credit hours of NUR 900 until all the prerequisites for the Residency course have been met. This course is graded satisfactory/unsatisfactory. P. NUR 686 and admission as a post-master's DNP student.

NUR 901. Residency: Advanced Practice Nurse. 2-4 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 specialty. 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 advanced 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; Committee approval of DNP Scholarly Project Proposal. Instructor Permission required.

NUR 902. DNP Residency. 5 credits. FA, SP, SU

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/200 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-Gerontology Primary Care track; Section B: Adult-Gerontology Acute Care track; Section C: Family track; Section D: Neonatal track; Section E: Psychiatric Mental health track; Section F: Pediatric Dual track. P. Successful completion of all required Research/Theory Core, Leadership/Policy Core, Role Support and Role Specialty courses. Instructor permission required.

NUR 903. Residency: Nursing Administration and Leadership. 2-4 credits. FA, SP, SU

NUR 903 is a role immersion course and is the final practicum experience for nursing administration and leadership students. As fully as possible, 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 150-300 practicum hours. P. All required Research and Theory Core, Leadership and Policy Core, and Role Support Core courses and Instructor permission required.

Nursing - Creighton BSN to Graduate Nursing Education Pathways

Creighton Bachelor of Science in Nursing Pathway to Graduate Nursing Programs

The Seamless Transition to Graduate Education Pathway is designed for BSN graduates from Creighton University College of Nursing who want to pursue a terminal degree in Advanced Nursing Practice or as a Nurse Educator. Completing the undergraduate BSN program through Creighton University prepares students to enter graduate education with the knowledge and skillset necessary to be a successful graduate student. Recognizing the excellent preparation students in the BSN programs receive, the transition to graduate education can be done seamlessly and with credit given for previous success in certain courses.

Admission Requirements

1. A baccalaureate degree from Creighton University College of Nursing awarded within the past 12 months.
2. A minimum of a 3.0 grade point average on a 4.0 scale.
3. One recommendation letter supporting the student's ability to be successful in graduate education (addressing academic and personal attributes) from a Creighton College of Nursing faculty that the student worked with in the undergraduate program.
4. Students must be licensed as a RN in their state of residence prior to enrolling in Clinical courses.
 - a. Nurse Practitioner tracks require experience as a RN prior to enrolling in Practicum I. The minimum required hours for the NP tracks can be found on the Programs of Study for each individual track.
5. Students must enroll in graduate courses within twelve months of their graduation date. Students who do not enroll within this time frame will be required to complete the application process for the MSN / DNP program.
6. Validation of the applicant's ability to meet the cognitive, affective, and psychomotor requirements of the nursing curriculum, with or without reasonable accommodations, consistent with the American Disabilities Act is required. Students must complete the Safety and Technical Standards form attesting to their ability to meet these requirements.
7. A personal essay
8. Other requirements for admission to the Graduate Program are consistent with the BSN Program and would have been previously met prior to enrolling in the BSN track:
 - English Proficiency Requirement
 - Conditions of Enrollment
 - Prerequisite Requirements

Creighton BSN - MSN Post Baccalaureate Application Transition Tracks

- **Nursing Administration & Leadership** - prepares nurses to assume ethical leadership roles in health care systems confronted by financial, political, and social changes.
- **Nursing Education** - prepares nurses with advanced knowledge and skills to assume classroom and practicum teaching responsibilities in academic settings.

The master's degree in nursing program at Creighton University is accredited by the Commission on Collegiate Nursing Education (<http://www.ccnaccreditation.org>) (<http://www.ccnaccreditation.org>).

Creighton BSN - DNP Post Baccalaureate Application Transition Tracks

- **Adult-Gerontology Acute Care Nurse Practitioner** - manages the care of individuals in acute care settings. Graduates who complete the Adult-Gerontology Acute Care NP program meet eligibility for national certification through the American Association of Critical-Care Nurses (AACN) and the American Nurses Credentialing Center (ANCC).
- **Family Nurse Practitioner** - manages care throughout the lifespan of individuals and families. Graduates who complete the Family NP program meet eligibility for national certification through the American Nurses Credentialing Center (ANCC) and the American Academy of Nurse Practitioners Certification Program (AANPCP).

- **Neonatal Nurse Practitioner** - manages care for newborns in all levels of neonatal intensive care units. Graduates who complete the Neonatal NP program meet eligibility for national certification through the National Certification Corporation (NCC).
- **Pediatric Primary and Acute Care Nurse Practitioner (Dual)** - manages the care of pediatric patients across the entire continuum of health from wellness to critical care. Graduates who complete the Pediatric Dual track NP program are eligible to take the primary and acute care national certification exams through the Pediatric Nurse Certification Board (PNCB).
- **Psychiatric/Mental Health Nurse Practitioner** - manages care throughout the lifespan of diverse populations and can practice within both acute and primary care settings. Graduates who complete the Psychiatric Mental Health NP Program meet eligibility for national certification through the American Nurses Credentialing Center (ANCC) and the American Academy of Nurse Practitioners Certification Program (AANPCP).
- **Nursing Administration & Leadership** - prepares nurses as innovative and collaborative leaders in diverse health care settings, corporations and consulting firms, improving the quality of healthcare.

The Doctor of Nursing Program at Creighton University is accredited by the Commission on Collegiate Nursing Education (CCNE) (<http://www.ccnaccreditation.org>).

Doctor of Nursing Practice, Adult-Gerontology Acute Care Nurse Practitioner - Creighton BSN Pathway

Doctor of Nursing Practice, Adult-Gerontology Acute Care Nurse Practitioner - Creighton BSN Pathway Degree Requirements (62 Credits)

Code	Title	Credits
GRD 600	Orientation to Creighton	0
IPE 500	Introduction to Collaborative Care	0
Research and Theory Core courses		
NUR 683	Statistics and Data Analysis for Evidence-Based Nursing Practice	3
NUR 684	Epidemiology	3
NUR 686	Evaluative Methods for Evidence-Based Nursing Practice	3
NUR 899	DNP Scholarly Project Seminar (must be repeated for a total of 3 credits)	3
Leadership and Policy Core courses		
MHE 607	Practical Ethics in Health Care Settings	3
NUR 687	Care Management and Outcomes Improvement	3
NUR 704	Health Care Policy and Law	2
Negotiation and Conflict Resolution (NCR) Course		3
Role Support courses		
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 694	Advanced Health Assessment Across the Lifespan	3
NUR 756	Health Promotion and Disease Prevention in the Gerontological Population	2
Specialty and Role courses		
NUR 718	Advanced Adult - Gerontology Acute Care Nursing I	4
NUR 739	Practicum I: Adult-Gerontology Acute Care Nurse Practitioner	2
NUR 746	Advanced Adult-Gerontology Acute Care Nursing II	4
NUR 747	Advanced Adult-Gerontology Acute Care III	2
NUR 749	Practicum II:Adult-Gerontology Acute Care Nurse Practitioner	2
NUR 855	DNP Practicum III	2
NUR 856	DNP Practicum IV	2
NUR 857	DNP Practicum V	3
NUR 902	DNP Residency	5
Total Credits		62

Doctor of Nursing Practice, Family Nurse Practitioner - Creighton BSN Pathway

Doctor of Nursing Practice, Family Nurse Practitioner - Creighton BSN Pathway

Degree Requirements (66 Credits)

Code	Title	Credits
GRD 600	Orientation to Creighton	0
IPE 500	Introduction to Collaborative Care	0
Research/Theory Core Courses		
NUR 683	Statistics and Data Analysis for Evidence-Based Nursing Practice	3
NUR 684	Epidemiology	3
NUR 686	Evaluative Methods for Evidence-Based Nursing Practice	3
NUR 899	DNP Scholarly Project Seminar (must be repeated for a total of 3 credits)	3
Leadership/Policy Core Course		
MHE 607	Practical Ethics in Health Care Settings	3
NUR 687	Care Management and Outcomes Improvement	3
NUR 704	Health Care Policy and Law	2
Negotiation and Conflict Resolution (NCR) Course		
3		
Role Support Courses		
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 694	Advanced Health Assessment Across the Lifespan	3
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 664	Well Child Care Management	1
NUR 714	Primary Care of Adult-Gerontology	3
NUR 720	Primary Care of Adult-Gerontology II	3
NUR 721	Practicum II: Family Nurse Practitioner	2
NUR 722	Child Care Management	2
NUR 731	Primary Care of Adult-Gerontology III	2
NUR 741	Practicum I: Family Nurse Practitioner	2
NUR 855	DNP Practicum III	2
NUR 856	DNP Practicum IV	2
NUR 857	DNP Practicum V	3
NUR 902	DNP Residency	5
Total Credits		66

Doctor of Nursing Practice, Neonatal Nurse Practitioner - Creighton BSN Pathway

Doctor of Nursing Practice, Neonatal Nurse Practitioner - Creighton BSN Pathway

Degree Requirements (62 credits)

Code	Title	Credits
GRD 600	Orientation to Creighton	0
IPE 500	Introduction to Collaborative Care	0
Research/Theory Core Courses		
NUR 683	Statistics and Data Analysis for Evidence-Based Nursing Practice	3
NUR 684	Epidemiology	3
NUR 686	Evaluative Methods for Evidence-Based Nursing Practice	3
NUR 899	DNP Scholarly Project Seminar (must be repeated for a total of 3 credits)	3
Leadership/Policy Core Courses		
MHE 607	Practical Ethics in Health Care Settings	3
NUR 687	Care Management and Outcomes Improvement	3
NUR 704	Health Care Policy and Law	2
Negotiation and Conflict Resolution (NCR) Course		
3		
Role Support Courses		
NUR 607	Pharmacology Across the Lifespan for Advanced Nursing Practice	3
NUR 615	Advanced Neonatal Assessment	2
NUR 650	Advanced Pathophysiology Across the Lifespan	3
NUR 692	Financial Organization of U.S. Healthcare	2
NUR 751	Diagnostic and Therapeutic Procedures for Neonatal Nurse Practitioners	1
NUR 752	Embryology and Genetics of the Developing Newborn	2
Specialty and Role Courses		
NUR 633	General Neonatal Management	3
NUR 643	Management of High Risk Neonate I	4
NUR 644	Practicum II: Neonatal Nurse Practitioner	2

NUR 702	Management of the High Risk Neonate II	3
NUR 743	Practicum I: Neonatal Assessment and Management	2
NUR 855	DNP Practicum III	2
NUR 856	DNP Practicum IV	2
NUR 857	DNP Practicum V	3
NUR 902	DNP Residency	5
Total Credits		62

Doctor of Nursing Practice, Nursing Administration and Leadership - Creighton BSN Pathway

D.N.P., Nursing Administration and Leadership Track - Creighton BSN Transition Pathway

Degree Requirements (63 Credits)

Code	Title	Credits
GRD 600	Orientation to Creighton	0
IPE 500	Introduction to Collaborative Care	0
Research/Theory Core Courses		
NUR 683	Statistics and Data Analysis for Evidence-Based Nursing Practice	3
NUR 684	Epidemiology	3
NUR 686	Evaluative Methods for Evidence-Based Nursing Practice	3
NUR 899	DNP Scholarly Project Seminar (repeat for a total of 3 credits)	3
Leadership/Policy Core Courses		
MHE 607	Practical Ethics in Health Care Settings	3
NUR 687	Care Management and Outcomes Improvement	3
NUR 704	Health Care Policy and Law	2
Negotiation and Conflict Resolution (NCR) Courses		
9		
Role Support Courses		
Administrative Elective (Choose one of the following)		
3		
BIA 762	Survey of Business Intelligence and Analytics	
MBA 703	Accounting for Managers	
MBA 741	Economic Analysis for Managers	
MHE 604	Social and Cultural Contexts of Health Care	
NUR 561	Definitions of Health - Implications for Care: Austria, Hungary and the United States	
NUR 618	Population-Based Health Care for Advanced Practice Nursing	
NUR 692	Financial Organization of U.S. Healthcare	2
Specialty and Role Courses		
NUR 689	Organizations As Complex Adaptive Systems	3
NUR 776	Practicum: Complex System Leadership	2
NUR 777	Practicum: Resource Management	2
NUR 778	Strategic Systems Leadership	3
NUR 779	Practicum: Leading and Improving Quality	2
NUR 780	Practicum: Quantum Executive Leadership	2

NUR 781	Nursing Administration and Leadership Innovations Seminar	2
NUR 782	Practicum: Macrosystems Innovations	3
NUR 787	Organizational Transformation	3
NUR 888	Executive Leadership	3
NUR 903	Residency: Nursing Administration and Leadership	4
Total Credits		63

Doctor of Nursing Practice, Pediatric Primary/Acute Care Nurse Practitioner - Creighton BSN Pathway

Doctor of Nursing Practice, Pediatric Primary and Acute Care Nurse Practitioner (DUAL) - Creighton BSN Pathway

Degree Requirements (62 Credits)

Code	Title	Credits
GRD 600	Orientation to Creighton	0
IPE 500	Introduction to Collaborative Care	0
Research and Theory Core Courses		
NUR 683	Statistics and Data Analysis for Evidence-Based Nursing Practice	3
NUR 684	Epidemiology	3
NUR 686	Evaluative Methods for Evidence-Based Nursing Practice	3
NUR 899	DNP Scholarly Project Seminar (must be repeated for a total of 3 credits)	3
Leadership and Policy Core Courses		
MHE 607	Practical Ethics in Health Care Settings	3
NUR 687	Care Management and Outcomes Improvement	3
NUR 704	Health Care Policy and Law	2
Negotiation and Conflict Resolution (NCR) Course		
3		
Role Support Core Courses		
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 694	Advanced Health Assessment Across the Lifespan	3
Specialty and Role Courses		
NUR 664	Well Child Care Management	1
NUR 665	Practicum I: Care of the Well Child	2
NUR 722	Child Care Management	2
NUR 734	Practicum II: Primary Care Pediatrics II	2
NUR 737	Care of the Pediatric Patient in the Urgent/Emergency Setting	2
NUR 740	Practicum III: Pediatric Acute and Primary Care in the Urgent/Emergency Care Setting	2
NUR 810	Care of the Acute and Chronically Ill Child	4

NUR 812	Practicum IV: Pediatric Acute Care Nurse Practitioner	2
NUR 814	Care of the Critically Ill Child	3
NUR 816	Practicum V: Pediatric Acute Care Nurse Practitioner II	3
NUR 902	DNP Residency	5
Total Credits		62

Doctor of Nursing Practice, Psychiatric Mental Health Nurse Practitioner - Creighton BSN Pathway

Doctor of Nursing Practice, Psychiatric Mental Health Nurse Practitioner - Creighton BSN Pathway

Degree Requirements (65 Credits)

Code	Title	Credits
GRD 600	Orientation to Creighton	0
IPE 500	Introduction to Collaborative Care	0

Research and Theory Core Courses

NUR 683	Statistics and Data Analysis for Evidence-Based Nursing Practice	3
NUR 684	Epidemiology	3
NUR 686	Evaluative Methods for Evidence-Based Nursing Practice	3
NUR 899	DNP Scholarly Project Seminar (must be repeated for up to 3 credits)	3

Leadership and Policy Core Courses

MHE 607	Practical Ethics in Health Care Settings	3
NUR 687	Care Management and Outcomes Improvement	3
NUR 704	Health Care Policy and Law	2
Negotiation and Conflict Resolution (NCR) Course		3

Role Support Courses

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 694	Advanced Health Assessment Across the Lifespan	3

Specialty and Role Courses

NUR 618	Population-Based Health Care for Advanced Practice Nursing	3
NUR 703	Psychiatric Mental Health across the Lifespan I	4
NUR 733	Psychiatric Mental Health Across the Lifespan II	4
NUR 735	Practicum II: Psychiatric Mental Health Nurse Practitioner	2
NUR 742	Psychiatric Mental Health Across the Lifespan III	4
NUR 744	Psychiatric Mental Health Across the Lifespan Practicum I	2
NUR 855	DNP Practicum III	2
NUR 856	DNP Practicum IV	2

NUR 857	DNP Practicum V	3
NUR 902	DNP Residency	5
Total Credits		65

Master of Science in Nursing, Nursing Administration and Leadership - Creighton BSN Pathway

M.S.N., Nursing Administration and Leadership Track - Creighton BSN Transition Pathway

Degree Requirements (31 Credits)

Code	Title	Credits
GRD 600	Orientation to Creighton	0
IPE 500	Introduction to Collaborative Care	0

Research and Theory Core Courses

NUR 683	Statistics and Data Analysis for Evidence-Based Nursing Practice	3
NUR 686	Evaluative Methods for Evidence-Based Nursing Practice	3
NUR 783	MSN Scholarly Project Seminar	1

Leadership and Policy Core Courses

MHE 607	Practical Ethics in Health Care Settings	3
NUR 687	Care Management and Outcomes Improvement	3

Role Support Core Courses

NUR 692	Financial Organization of U.S. Healthcare	2
Negotiation and Conflict Resolution (NCR) Course		3

Specialty and Role Courses

NUR 689	Organizations As Complex Adaptive Systems	3
NUR 776	Practicum: Complex System Leadership	2
NUR 777	Practicum: Resource Management	2
NUR 784	Nurse Manager Residency	3
NUR 787	Organizational Transformation	3

Total Credits		31
----------------------	--	-----------

Master of Science in Nursing, Nursing Education - Creighton BSN Pathway

M.S.N., Nursing Education Track - Creighton BSN Transition Pathway

Degree Requirements (36 Credits)

Code	Title	Credits
GRD 600	Orientation to Creighton	0
IPE 500	Introduction to Collaborative Care	0

Research and Theory Courses

NUR 683	Statistics and Data Analysis for Evidence-Based Nursing Practice	3
NUR 686	Evaluative Methods for Evidence-Based Nursing Practice	3

NUR 767	Nursing Educator Capstone Seminar	1
Leadership and Policy Courses		
MHE 607	Practical Ethics in Health Care Settings	3
NUR 687	Care Management and Outcomes Improvement	3
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
Specialty and Role Courses		
NUR 762	Principles of Teaching & Learning	3
NUR 763	Educational Assessment & Evaluation Strategies	3
NUR 764	Innovations in Curriculum Design, Program Assessment, & Accreditation	3
NUR 766	Nurse Educator Role Transition	1
NUR 769	Nurse Educator Practicum I: Clinical Focus	1
NUR 798	Nurse Educator Residency	3
Total Credits		36

Doctor of Nursing Practice (DNP)

Creighton University's 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 Nursing Administration & Leadership (NAL). 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 Interprofessional Education & Research, Heider College of Business, and the graduate program in Negotiation and Conflict Resolution. DNP students will complete core, role support, and specialty courses in advanced practice nursing or nursing administration and leadership. 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.

There are three pathways 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 Commission on Collegiate Nursing Education (CCNE) or Accreditation Commission for Education on Nursing (ACEN) and meet the prerequisite admission requirements as set forth by the College of Nursing. The number of credit hours for the post-baccalaureate to doctoral degree ranges from 68-75 credit hours. Degree requirements for graduation are commensurate with the student's chosen role option and Creighton University's completion requirements for a doctoral degree. Full and part-time plans of study are available for all tracks.

Creighton BSN Pathway - DNP Option

The Creighton BSN to Graduate Education Pathway is designed for BSN graduates from Creighton University College of Nursing who want to pursue a terminal degree in Advanced Nursing Practice or as a Nurse Educator. Students who enroll within twelve months of their graduation date will enjoy a streamlined application process and will have a reduced credit hour requirement.

Post Graduate - DNP Option (p. 154)

Creighton University College of Nursing has two Post-Graduate to DNP tracks. The generic track is designed for a student who has current licensure as an APRN. The Nursing Administration and Leadership Post-Graduate to DNP track is designed for a student who has completed an MSN in Nursing Leadership or Nursing Administration. All students eligible for these tracks must have graduated from a college or university accredited by the Commission on Collegiate Nursing Education (CCNE), the Accreditation Commission for Education on Nursing (ACEN), the Council on Accreditation of Nurse Anesthesia Educational Programs (COA), or the Accreditation Commission for Midwifery Education (ACME).

The number of credit hours for the post-graduate to doctoral degree ranges from 27-40 credit hours. A change in certification will result in additional degree requirements. Degree requirements for graduation are commensurate with the student's chosen role option. The full and part-time plans of study are available for all tracks.

DNP Program Outcomes

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 advanced nursing practice.
2. Adapt organizational and systems leadership for quality improvement and systems thinking.
3. Translate, evaluate, and disseminate evidence in to practice.
4. Select, use, and evaluate information technology systems to monitor and improve healthcare outcomes.
5. Engage in policy analysis, formulation, implementation, and advocacy activities to improve healthcare locally, regionally, nationally, and /or globally.
6. Lead interprofessional teams in the evaluation of complex issues to create change in healthcare delivery systems and health care outcomes.
7. Evaluate appropriate methods and models in partnership with families, individuals, groups, communities, and providers to improve health, prevent disease, and address gaps in population-based health care.
8. Formulate a professional practice model using advanced and specialized knowledge and skills in the specialty role.
9. Formulate a professional framework integrating reflective practice that facilitates ethical reasoning, cultural humility, and advocacy anchored in social justice.

BSN - DNP Tracks

- **Adult-Gerontology Acute Care Nurse Practitioner** - manages the care of individuals in acute care settings. Graduates who complete the Adult-Gerontology Acute Care NP program meet eligibility for national certification through the American Association of Critical-Care Nurses (AACN) and the American Nurses Credentialing Center (ANCC).
- **Family Nurse Practitioner** - manages care throughout the lifespan of individuals and families. Graduates who complete the Family NP program meet eligibility for national certification through the American Nurses Credentialing Center (ANCC) and the American Academy of Nurse Practitioners Certification Program (AANPCP).
- **Neonatal Nurse Practitioner** - manages care for newborns in all levels of neonatal intensive care units. Graduates who complete the

Neonatal NP program meet eligibility for national certification through the National Certification Corporation (NCC).

- **Pediatric Primary and Acute Care Nurse Practitioner (Dual)** - manages the care of pediatric patients across the entire continuum of health from wellness to critical care. Graduates who complete the Pediatric Dual track NP program are eligible to take the primary and acute care national certification exams through the Pediatric Nurse Certification Board (PNCB).
- **Psychiatric/Mental Health Nurse Practitioner** - manages care throughout the lifespan of diverse populations and can practice within both acute and primary care settings. Graduates who complete the Psychiatric Mental Health NP Program meet eligibility for national certification through the American Nurses Credentialing Center (ANCC) and the American Academy of Nurse Practitioners Certification Program (AANPCP).
- **Nursing Administration & Leadership** - prepares nurses as innovative and collaborative leaders in diverse health care settings, corporations and consulting firms, improving the quality of healthcare.

The Doctor of Nursing Program at Creighton University is accredited by the Commission on Collegiate Nursing Education (CCNE) (<http://www.ccneaccreditation.org>).

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 with a \$50 non-refundable fee
2. A Bachelor of Science degree with a major in nursing from a college or university accredited by the Commission on Collegiate Nursing Education (CCNE) or Accreditation Commission for Education in Nursing (ACEN)
3. A cumulative undergraduate GPA of 3.00 on a 4.00 scale, or a cumulative graduate GPA of 3.00
4. 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 electronically send an official transcript directly to Creighton University Enrollment Services Department.
5. Three recommendations from persons able to evaluate the applicant's current and potential competency in advanced level nursing, academic potential, leadership skills, and potential for leadership in the profession.
 - a. One reference should come from a nursing employer or supervisor. If you have never been employed, a recommendation from a clinical instructor or preceptor in your nursing program is required.
 - b. The other two references may be from an instructor, another supervisor, or professional colleague.
 - c. If you have graduated within the past two years or your degree is in progress, a reference from an instructor or preceptor is required.

6. A current, active unencumbered registered nurse (RN) license to practice in the U.S.
7. A current resume/curriculum vitae that provides evidence of leadership or service experiences
8. A personal statement
9. Successful completion of an undergraduate statistics course
10. Successful completion of an undergraduate physical assessment course and corresponding practicum

Post-Graduate Applicants

1. A completed application form with a \$50 non-refundable fee
2. A Master of Science degree with a major in nursing from a college or university accredited by the Commission on Collegiate Nursing Education (CCNE), the Accreditation Commission for Education on Nursing (ACEN), the Council on Accreditation of Nurse Anesthesia Educational Programs (COA), or the Accreditation Commission for Midwifery Education (ACME).
3. A cumulative GPA of 3.00 on a 4.00 scale
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 electronically send an official transcript directly to the Creighton University Enrollment Services Department.
5. 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.
6. 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
7. Evidence of current national certification as an advanced practice nurse, if applicable
8. A current resume/curriculum vitae that provides evidence of leadership, practice, and service experiences, such as a holding a management position
9. A personal statement
10. Verification of the clinical/practicum hours completed in the applicant's master's/certificate program in **one** of the following ways:
 - a. The clinical/practicum courses in the master's program are clearly identified on the transcript.
 - b. Syllabi for the clinical/practicum courses are submitted and the clinical/practicum hours are identified.
 - c. A letter from an official from the institution, on official institution letterhead, where the master's degree was granted verifying the specific number of clinical/practicum hours.

ENGLISH PROFICIENCY REQUIREMENT

English Language Proficiency is an important part of the application process for those whose first language is not English. The College of

Nursing has the discretion to determine individual standards for how this requirement will be met using one or more of the following:

- English Language exam scores. If English is not the applicant's native language and the applicant has not obtained a bachelor's degree or higher in the United States, the applicant must present evidence of a **TOEFL score of at least 100, an IELTS score of at least 7, or a Duolingo score of 120**. Scores over 2 years old will not be accepted. Students must ask the ETS (the testing agency) to send original 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 university in the United States or another approved country.

Conditions of Enrollment

Upon academic acceptance into the College of Nursing, students must meet certain conditions of enrollment:

1. Current immunizations consistent with Creighton University and/or clinical agency guidelines.
2. Verification of a physical examination to provide evidence that the student is free from contagious disease and not a health hazard to patients in various settings.
3. Background investigations and results consistent with Creighton University and/or clinical agency guidelines.
4. Drug screen and results consistent with Creighton University and/or clinical agency guidelines.
5. Completion of certification in Basic Life Support (BLS) for the "Healthcare Professional" from the American Heart Association (AHA). This course includes instruction of the Automated External Defibrillator (AED) and content for care of adults, children, and infants.
6. A current, active unencumbered registered nurse (RN) license or an active APRN license (if applicable) to practice in the U.S.
7. Validation of ability to meet the cognitive, affective, and psychomotor requirements (Safety and Technical Standards)
8. A minimum of 2000 hours of employment as a RN in a direct care setting prior to enrollment in the first practicum course
 - a. A minimum of 2000 hours of employment as a RN in the direct care of pediatrics prior to enrolling in first practicum course for those entering the pediatric track
 - b. A minimum of 2000 hours of employment as an RN in the direct care of the psychiatric mental health population prior to enrolling in the first practicum course for those entering the psychiatric mental health track
 - c. A minimum of 4000 hours of employment as an RN in the direct care of critically ill newborns/infants in a level III or IV NICU prior to enrollment in the first practicum course in the neonatal track

DNP Degree Requirements

The post-baccalaureate and post-graduate options 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. Specialty and role courses provide students both theory and practicum opportunities in the student's specialized track. The degree requirements in each area are commensurate with the track and whether the student is enrolled in the post-baccalaureate or post-graduate degree option.

Both post-baccalaureate and post-graduate 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 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.

BSN - DNP Track Options

- Adult-Gerontology Acute Care Nurse Practitioner (p. 150)
- Family Nurse Practitioner (p. 151)
- Neonatal Nurse Practitioner (p. 151)
- Pediatric Acute/Primary Care Nurse Practitioner (Dual track) (p. 152)
- Psychiatric Mental Health Practitioner (p. 153)
- Nursing Administration & Leadership (p. 152)

Post-Graduate - DNP Option

- Post-Graduate to DNP - Generic (p. 153)
- Post-Graduate to DNP - Nursing Administration and Leadership (p. 154)

DNP: Adult-Gerontology Acute Care Nurse Practitioner Degree Requirements (70 credits)

Code	Title	Credits
GRD 600	Orientation to Creighton	0
IPE 500	Introduction to Collaborative Care	0
Elective		2
Research/Theory Core Courses		
MHE 600	Scholarly Reading and Writing	3
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 (must be repeated for a total of 3 credits)	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
NCR Course		3
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 756	Health Promotion and Disease Prevention in the Gerontological Population	2
Specialty and Role Courses		
NUR 718	Advanced Adult - Gerontology Acute Care Nursing I	4
NUR 739	Practicum I: Adult-Gerontology Acute Care Nurse Practitioner	2
NUR 746	Advanced Adult-Gerontology Acute Care Nursing II	4
NUR 749	Practicum II:Adult-Gerontology Acute Care Nurse Practitioner	2
NUR 747	Advanced Adult-Gerontology Acute Care III	2
NUR 855	DNP Practicum III	2
NUR 856	DNP Practicum IV	2
NUR 857	DNP Practicum V	3
NUR 902	DNP Residency	5
Total Credits		70

DNP: Family Nurse Practitioner Degree Requirements (74 credits)

Code	Title	Credits
GRD 600	Orientation to Creighton	0
IPE 500	Introduction to Collaborative Care	0
Elective		2
Research/Theory Core Courses		
MHE 600	Scholarly Reading and Writing	3
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 (must be repeated for a total of 3 credits)	3
Leadership/Policy Core Courses		
NUR 687	Care Management and Outcomes Improvement	3
NUR 704	Health Care Policy and Law	2
MHE 607	Practical Ethics in Health Care Settings	3
NCR Course		3

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 756	Health Promotion and Disease Prevention in the Gerontological Population	2
Specialty and Role Courses		
NUR 664	Well Child Care Management	1
NUR 714	Primary Care of Adult-Gerontology	3
NUR 720	Primary Care of Adult-Gerontology II	3
NUR 721	Practicum II: Family Nurse Practitioner	2
NUR 722	Child Care Management	2
NUR 731	Primary Care of Adult-Gerontology III	2
NUR 741	Practicum I: Family Nurse Practitioner	2
NUR 855	DNP Practicum III	2
NUR 618	Population-Based Health Care for Advanced Practice Nursing	3
NUR 856	DNP Practicum IV	2
NUR 857	DNP Practicum V	3
NUR 902	DNP Residency	5
Total Credits		74

DNP: Neonatal Nurse Practitioner Degree Requirements (70 credits)

Code	Title	Credits
GRD 600	Orientation to Creighton	0
IPE 500	Introduction to Collaborative Care	0
Elective		2
Research/Theory Core Courses		
MHE 600	Scholarly Reading and Writing	3
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 (must be repeated for a total of 3 credits)	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
NCR Course		3
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 751	Diagnostic and Therapeutic Procedures for Neonatal Nurse Practitioners	1
NUR 692	Financial Organization of U.S. Healthcare	2
Specialty and Role Courses		
NUR 633	General Neonatal Management	3
NUR 743	Practicum I: Neonatal Assessment and Management	2
NUR 643	Management of High Risk Neonate I	4
NUR 644	Practicum II: Neonatal Nurse Practitioner	2
NUR 702	Management of the High Risk Neonate II	3
NUR 855	DNP Practicum III	2
NUR 856	DNP Practicum IV	2
NUR 857	DNP Practicum V	3
NUR 902	DNP Residency	5
Total Credits		70

Nursing Administration and Leadership Degree Requirements (69 credits)

Code	Title	Credits
GRD 600	Orientation to Creighton	0
IPE 500	Introduction to Collaborative Care	0
Research/Theory Core Courses		
MHE 600	Scholarly Reading and Writing	3
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 (repeat for a total of 3 credits)	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
NCR Courses		9
Role Support Courses		
NUR 692	Financial Organization of U.S. Healthcare	2
Administrative Elective (Choose one of the following)		
BIA 762	Survey of Business Intelligence and Analytics	
MBA 703	Accounting for Managers	
MBA 741	Economic Analysis for Managers	
MHE 604	Social and Cultural Contexts of Health Care	
NUR 561	Definitions of Health - Implications for Care: Austria, Hungary and the United States	
NUR 618	Population-Based Health Care for Advanced Practice Nursing	
Specialty and Role Courses		
NUR 689	Organizations As Complex Adaptive Systems	3
NUR 776	Practicum: Complex System Leadership	2
NUR 787	Organizational Transformation	3

NUR 777	Practicum: Resource Management	2
NUR 778	Strategic Systems Leadership	3
NUR 779	Practicum: Leading and Improving Quality	2
NUR 888	Executive Leadership	3
NUR 780	Practicum: Quantum Executive Leadership	2
NUR 781	Nursing Administration and Leadership Innovations Seminar	2
NUR 782	Practicum: Macrosystems Innovations	3
NUR 903	Residency: Nursing Administration and Leadership	4
Total Credits		69

DNP: Pediatric Dual Track Acute/ Primary Care Nurse Practitioner Degree Requirements (70 credits)

Code	Title	Credits
GRD 600	Orientation to Creighton	0
IPE 500	Introduction to Collaborative Care	0
Elective		2
Research and Theory Core Courses		
MHE 600	Scholarly Reading and Writing	3
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 (must be repeated for a total of 3 credits)	3
Leadership and Policy Core Courses		
NUR 687	Care Management and Outcomes Improvement	3
NUR 704	Health Care Policy and Law	2
MHE 607	Practical Ethics in Health Care Settings	3
Negotiation and Conflict Resolution (NCR) Course		
Role Support Core 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
Specialty and Role courses		
NUR 664	Well Child Care Management	1
NUR 665	Practicum I: Care of the Well Child	2
NUR 722	Child Care Management	2
NUR 734	Practicum II: Primary Care Pediatrics II	2
NUR 737	Care of the Pediatric Patient in the Urgent/Emergency Setting	2
NUR 740	Practicum III: Pediatric Acute and Primary Care in the Urgent/Emergency Care Setting	2
NUR 810	Care of the Acute and Chronically Ill Child	4
NUR 812	Practicum IV: Pediatric Acute Care Nurse Practitioner	2
NUR 814	Care of the Critically Ill Child	3

NUR 816	Practicum V: Pediatric Acute Care Nurse Practitioner II	3
NUR 902	DNP Residency	5
Total Credits		70

DNP: Psychiatric Mental Health Nurse Practitioner

DEGREE REQUIREMENTS (73 CREDITS)

Code	Title	Credits
GRD 600	Orientation to Creighton	0
IPE 500	Introduction to Collaborative Care	0
Elective		2
Research and Theory Core courses		
MHE 600	Scholarly Reading and Writing	3
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 (must be repeated up to 3 credits)	3
Leadership and 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
Negotiation and Conflict Resolution (NCR) Course		3
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
Specialty and Role courses		
NUR 703	Psychiatric Mental Health across the Lifespan I	4
NUR 744	Psychiatric Mental Health Across the Lifespan Practicum I	2
NUR 733	Psychiatric Mental Health Across the Lifespan II	4
NUR 735	Practicum II: Psychiatric Mental Health Nurse Practitioner	2
NUR 742	Psychiatric Mental Health Across the Lifespan III	4
NUR 855	DNP Practicum III	2
NUR 618	Population-Based Health Care for Advanced Practice Nursing	3
NUR 856	DNP Practicum IV	2
NUR 857	DNP Practicum V	3
NUR 902	DNP Residency	5
Total Credits		73

Doctor of Nursing Practice: Post Graduate

This Program of Study is suggested for students who have an earned Graduate degree in Nursing with a focus in Advanced Practice Nursing. During the first semester of enrollment in the Doctor of Nursing Practice program, the student and his or her academic advisor will develop an individualized plan that is based on the student's prior graduate course work and stated career goals and is consistent with national and professional standards and guidelines. The original plan and any variation from it after matriculation must be approved by the advisor and by the Assistant Dean of Graduate Programs.

DEGREE REQUIREMENTS (27-29)

Code	Title	Credits
GRD 600	Orientation to Creighton	0
Research/Theory Core Courses		
NUR 684	Epidemiology	3
NUR 686	Evaluative Methods for Evidence-Based Nursing Practice	3
NUR 900	DNP Scholarly Project (repeat for a total of 6 credits)*	6
Leadership/Policy Core Courses		
MHE 607	Practical Ethics in Health Care Settings	3
NUR 704	Health Care Policy and Law	2
Negotiation and Conflict Resolution (NCR) Courses		6
Role Support Core Courses		
NUR 692	Financial Organization of U.S. Healthcare	2
Specialty and Role Courses		
NUR 901	Residency: Advanced Practice Nurse	2-4
Total Credits		27-29

* The student completes a minimum of 6 credit hours in NUR 900 DNP Scholarly Project during which he or she develops the Scholarly Project. NUR 900 is taken in 2 credit hour increments. One hour is a seminar credit hour and one hour is a practicum credit hour. Once the student has enrolled in the first 2 credit hours of NUR 900, the student must continue to enroll in a minimum of 2 credit hours of NUR 900. Once a student has enrolled in 6-credit hours of NUR 900, the student must continue to enroll in a minimum of 1 credit hour of NUR 900 until all prerequisites for the Residency Course has been met.

This Program of Study includes a minimum of 375 supervised practicum hours. A minimum of 1000 credited post-baccalaureate clinical hours are required for the Doctor of Nursing Practice degree. The student will be required to provide evidence of the number of direct practicum hours completed in their graduate program. This will determine the number of credits the student is required to take in NUR 901 Residency: Advanced Practice Nurse.

Nursing Administration and Leadership (Post-Graduate)

Degree Requirements (38-40 credits)

Code	Title	Credits
GRD 600	Orientation to Creighton	0
Research and Theory Core Courses		
NUR 684	Epidemiology	3
NUR 686	Evaluative Methods for Evidence-Based Nursing Practice	3
NUR 900	DNP Scholarly Project	6
Leadership and Policy Core Courses		
MHE 607	Practical Ethics in Health Care Settings	3
NUR 704	Health Care Policy and Law	2
NCR Courses		6
Role Support Core Courses		
Administrative Elective (Choose one of the following)		3
BIA 762	Survey of Business Intelligence and Analytics	
MBA 703	Accounting for Managers	
MBA 741	Economic Analysis for Managers	
MHE 604	Social and Cultural Contexts of Health Care	
NUR 561	Definitions of Health - Implications for Care: Austria, Hungary and the United States	
NUR 618	Population-Based Health Care for Advanced Practice Nursing	
Specialty and Role Courses		
NUR 888	Executive Leadership	3
NUR 780	Practicum: Quantum Executive Leadership	2
NUR 781	Nursing Administration and Leadership Innovations Seminar	2
NUR 782	Practicum: Macrosystems Innovations	3
NUR 903	Residency: Nursing Administration and Leadership	2-4
Total Credits		38-40

Post-Graduate Certificates

The Creighton University College of Nursing offers an APRN post-graduate certificate for nurses who have previously earned a graduate nursing degree as an Advanced Practice Nurse and want to become certified to practice in another population. Prospective students hold a Master of Science in Nursing, a Master's of Science degree with a major in nursing, or a Doctor of Nursing Practice degree from a college or university accredited by the Commission on Collegiate Nursing Education (CCNE), the Accreditation Commission for Education in Nursing (ACEN), the Council on Accreditation of Nurse Anesthesia Educational Programs (COA), or the Accreditation Commission for Midwifery Education (ACME). The student must also have clinical practice in a direct care setting as a registered nurse and/or advanced practice nurse equal to at least 2000 hours of employment. The requirements for admission and the application process are the same as for degree seeking graduate students. Refer to Conditions of Enrollment for specific specialty track requirements.

The College also offers a post-graduate certificate in Nursing Education.

Post-Graduate Certificate outcomes

1. Demonstrate proficiency in analyzing and utilizing evidence form nursing and other relevant disciplines to improve practice.
2. Demonstrate competency in the new advance nursing role.
3. Formulate a professional framework integrating reflective practice that facilitates ethical reasoning, cultural humility, and advocacy anchored in social justice.

APRN Post-Graduate Certificates

- Adult-Gerontology Acute Care Nurse Practitioner (p. 156) - manages the care of individuals in acute care settings. Graduates who complete the Adult-Gerontology Acute Care NP post-graduate certificate program meet eligibility for national certification through the American Association of Critical-Care Nurses (AACN) and the American Nurses Credentialing Center (ANCC).
- Family Nurse Practitioner (p. 156) - manages care throughout the lifespan of individuals and families. Graduates who complete the Family NP post-graduate certificate program meet eligibility for national certification through the American Nurses Credentialing Center (ANCC) and the American Academy of Nurse Practitioners Certification Program (AANPCP).
- Neonatal Nurse Practitioner (p. 156) - manages care for newborns in level III neonatal intensive care units. Graduates who complete the Neonatal NP post-graduate certificate program meet eligibility for national certification through the National certification Corporation (NCC).
- Pediatric Acute Care Nurse Practitioner (p. 157) - manages the care of pediatric patients in acute care settings and critical care. Graduates who complete the Pediatric Acute Care Certificate Program are eligible to take the acute care national certification exam through the Pediatric Nurse Certification Board (PNCB).
- Psychiatric-Mental Health Nurse Practitioner (p. 157) - manages care throughout the lifespan of diverse populations and can practice within a variety of acute and primary care settings. Graduates who complete the Psychiatric Mental Health Nurse Practitioner Certificate Program meet eligibility for national certification through the American Nurses Credentialing Center (ANCC) and the American Academy of Nurse Practitioners Certification Program (AANPCP).

Other Post-Graduate Certificates

- Nursing Education (p. 156) - prepares nurses with advanced knowledge and skills to assume classroom and practicum teaching responsibilities in academic settings.

The post-graduate APRN certificate program at Creighton University is accredited by the Commission on Collegiate Nursing Education (<http://www.ccneaccreditation.org>).

Post-Graduate Certificate Admission Requirements

Admission into the Post-Graduate Certificate Program is based on academic acceptance by the College of Nursing. Academic acceptance is based on meeting the following requirements:

1. A completed application form with a \$50 non-refundable fee
2. A Master of Science in Nursing, a Master of Science degree with a major in nursing, or a Doctor of Nursing Practice degree from a college or university accredited by the Commission on Collegiate Nursing Education (CCNE), the Accreditation Commission for Education in Nursing (ACEN), the Council on Accreditation of Nurse

Anesthesia Educational Programs (COA), or the Accreditation Commission for Midwifery Education (ACME).

3. A cumulative GPA of 3.00 on a 4.00 scale
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 electronically send an official transcript directly to the Creighton University Enrollment Services Department.
5. Three recommendations from persons able to evaluate the applicant's current and potential competency in advanced level nursing, academic potential, leadership skills, and potential for leadership in the profession.
 - a. One reference should come from a nursing employer or supervisor. If you have never been employed, a recommendation from a clinical instructor or preceptor in your nursing program is required.
 - b. The other two references may be from an instructor, another supervisor, or professional colleague.
 - c. If you have graduated within the past two years or your degree is in progress, a reference from an instructor or preceptor is required.
6. 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
7. Evidence of current national certification as an advanced practice nurse, if applicable
8. A current resume/curriculum vitae that provides evidence of leadership, practice, and service experiences, such as a holding a management position
9. A personal essay
10. Verification of the clinical/practicum hours completed in the applicant's master's/certificate program in **one** of the following ways:
 - a. The clinical/practicum courses in the master's program are clearly identified on the transcript.
 - b. Syllabi for the clinical/practicum courses are submitted and the clinical/practicum hours are identified.
 - c. A letter from an official from the institution, on official institution letterhead, where the master's degree was granted verifying the specific number of clinical/practicum hours

ENGLISH PROFICIENCY REQUIREMENT

English Language Proficiency is an important part of the application process for those whose first language is not English. The College of Nursing has the discretion to determine individual standards for how this requirement will be met using one or more of the following:

- English Language exam scores. If English is not the applicant's native language and the applicant has not obtained a bachelor's degree or higher in the United States, the applicant must present evidence of a **TOEFL score of at least 100, an IELTS score of at least 7, or a Duolingo score of 120**. Scores over 2 years old will not be accepted. Students must ask the ETS (the testing agency) to send original 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 university in the United States or another approved country.

Conditions of Enrollment

Upon academic acceptance into the College of Nursing, students must meet certain conditions of enrollment:

1. Current immunizations consistent with Creighton University and/or clinical agency guidelines.
2. Verification of a physical examination to provide evidence that the student is free from contagious disease and not a health hazard to patients in various settings.
3. Background investigations and results consistent with Creighton University and/or clinical agency guidelines.
4. Drug screen and results consistent with Creighton University and/or clinical agency guidelines.
5. Completion of certification in Basic Life Support (BLS) for the "Healthcare Professional" from the American Heart Association (AHA). This course includes instruction of the Automated External Defibrillator (AED) and content for care of adults, children, and infants.
6. A current, active unencumbered registered nurse (RN) license and an active APRN license (if applicable) to practice in the U.S.
7. Validation of ability to meet the cognitive, affective, and psychomotor requirements (Safety and Technical Standards)
8. Practice Experience Requirements:

Adult-Gerontology Acute Care Nurse Practitioner - A minimum of 2000 hours of employment in a direct care setting as a registered nurse and/or advanced practice nurse prior to enrollment in the first practicum course.

Family Nurse Practitioner - A minimum of 2000 hours of employment in a direct care setting as a registered nurse and/or an advanced practice nurse prior to enrollment in the first practicum course.

Neonatal Nurse Practitioner - A minimum of 4000 hours of employment as a registered nurse and/or an advanced practice nurse in the care of critically ill newborns/infants prior to enrollment in the first practicum course in the neonatal track.

Pediatric Acute Care Nurse Practitioner - A minimum of 2000 hours of direct care as a registered nurse and/or an advanced practice nurse in pediatrics prior to enrolling in the first practicum course for the pediatric track.

Psychiatric-Mental Health Nurse Practitioner - A minimum of 2000 hours of direct care as a registered nurse and/or advanced practice nurse in psychiatric-mental health prior to enrolling in the first practicum course for the psychiatric-mental health track.

Post-Graduate Certificate in Adult-Gerontology Acute Care Nurse Practitioner

Course Requirements (19 credits)

Code	Title	Credits
Support Core Courses		
GRD 600	Orientation to Creighton	0
Specialty and Role Courses		
NUR 756	Health Promotion and Disease Prevention in the Gerontological Population	2
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 II:Adult-Gerontology Acute Care Nurse Practitioner	2
NUR 750	Certificate Practicum: Adult-Gerontology Acute Care	5
Total Credits		19

* 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.

Post-Graduate Certificate-Family Nurse Practitioner

Course requirements (18 credits)

Code	Title	Credits
Support Courses		
GRD 600	Orientation to Creighton	0
Specialty and Role Courses		
NUR 664	Well Child Care Management	1
NUR 714	Primary Care of Adult-Gerontology	3
NUR 741	Practicum I: Family Nurse Practitioner	2
NUR 720	Primary Care of Adult-Gerontology II	3
NUR 721	Practicum II: Family Nurse Practitioner	2
NUR 722	Child Care Management	2
NUR 731	Primary Care of Adult-Gerontology III	2
NUR 726	Certificate Practicum: Family Nurse Practitioner	3
Total Credits		18

* 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.

Post-Graduate Certificate-Neonatal Nurse Practitioner

Course Requirements (25 credits)

Code	Title	Credits
Support Courses		
GRD 600	Orientation to Creighton	0
Role Support Core Courses		
NUR 615	Advanced Neonatal Assessment	2
NUR 652	Advanced Neonatal Pathophysiology	1
NUR 751	Diagnostic and Therapeutic Procedures for Neonatal Nurse Practitioners	1
NUR 752	Embryology and Genetics of the Developing Newborn	2
Specialty and Role Courses		
NUR 633	General Neonatal Management	3
NUR 743	Practicum I: Neonatal Assessment and Management (150 Practicum Hours)	2
NUR 643	Management of High Risk Neonate I	4
NUR 644	Practicum II: Neonatal Nurse Practitioner (150 Practicum hours)	2
NUR 702	Management of the High Risk Neonate II	3
NUR 753	Certificate Practicum: Neonatal Nurse Practitioner (375 Practicum Hours)	5
Total Credits		25

* 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.

Post-Graduate Certificate-Nursing Education

Course Requirements (15 credits)

Code	Title	Credits
Support Courses		
GRD 600	Orientation to Creighton	0
Elective		2
Specialty and Role Courses		
NUR 762	Principles of Teaching & Learning	3
NUR 763	Educational Assessment & Evaluation Strategies	3
NUR 764	Innovations in Curriculum Design, Program Assessment, & Accreditation	3
NUR 766	Nurse Educator Role Transition	1
NUR 768	Nurse Educator Practicum	3
Total Credits		15

*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.

Post-Graduate Certificate-Pediatric Acute Care Nurse Practitioner Course Requirements (16 credits)

Code	Title	Credits
Support Courses		
GRD 600	Orientation to Creighton	0
Specialty and Role Courses		
NUR 737	Care of the Pediatric Patient in the Urgent/Emergency Setting	2
NUR 740	Practicum III: Pediatric Acute and Primary Care in the Urgent/Emergency Care Setting	2
NUR 810	Care of the Acute and Chronically Ill Child	4
NUR 812	Practicum IV: Pediatric Acute Care Nurse Practitioner	2
NUR 814	Care of the Critically Ill Child	3
NUR 816	Practicum V: Pediatric Acute Care Nurse Practitioner II	3
Total Credits		16

* 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.

Post-Graduate Certificate-Psychiatric-Mental Health Nurse Practitioner Course Requirements (21 credits):

Code	Title	Credits
Support Course		
GRD 600	Orientation to Creighton	0
Specialty and Role Courses		
NUR 703	Psychiatric Mental Health across the Lifespan I	4
NUR 733	Psychiatric Mental Health Across the Lifespan II	4
NUR 735	Practicum II: Psychiatric Mental Health Nurse Practitioner	2
NUR 742	Psychiatric Mental Health Across the Lifespan III	4
NUR 744	Psychiatric Mental Health Across the Lifespan Practicum I	2
NUR 774	Certificate Practicum: Psychiatric Mental Health across the Lifespan Nurse Practitioner	5
Total Credits		21

* 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.

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 nurses for careers in administration and education. In addition, this degree establishes 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 37-39 credit hours. The degree requirements for graduation are commensurate with the student's track. The full and part-time plans of study are available for both tracks.

MSN Program Outcomes

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 competency in an advanced nursing role.

MSN Tracks

- **Nursing Administration & Leadership** - prepares nurses to assume ethical leadership roles in health care systems confronted by financial, political, and social changes.
- **Nursing Education** - prepares nurses with advanced knowledge and skills to assume classroom and practicum teaching responsibilities in academic settings.

The master's degree in nursing program at Creighton University is accredited by the Commission on Collegiate Nursing Education (<http://www.ccnaccreditation.org>) (<http://www.ccnaccreditation.org>).

MSN Admission Requirements

Admission into the MSN Program is based on academic acceptance by the College of Nursing. Academic acceptance 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 a Commission on Collegiate Nursing Education (CCNE) or Accreditation Commission for Education in Nursing (ACEN) accredited college or university

3. A cumulative undergraduate GPA of 3.00 on a 4.00 scale, or a cumulative graduate GPA of 3.00
4. 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.
5. Three recommendations from persons able to evaluate the applicant's current and potential competency in advanced level nursing, academic potential, leadership skills, and potential for leadership in the profession.
 - a. One reference should come from a nursing employer or supervisor. If you have never been employed, a recommendation from a clinical instructor or preceptor in your nursing program is required.
 - b. The other two references may be from an instructor, another supervisor, or professional colleague.
 - c. If you have graduated within the past two years or your degree is in progress, a reference from an instructor or preceptor is required.
6. A current unencumbered registered nurse (RN) license to practice in the U.S
7. A current resume/curriculum vitae that provides evidence of leadership or service experiences
8. A personal essay
9. Successful completion of an undergraduate statistics course
10. Successful completion of an undergraduate physical assessment course and corresponding practicum (not required for NAL students)

Applicants who do not meet the above criteria will be considered on an individual basis.

ENGLISH PROFICIENCY REQUIREMENT

English Language Proficiency is an important part of the application process for those whose first language is not English. The College of Nursing has the discretion to determine individual standards for how this requirement will be met using one or more of the following:

- English Language exam scores. If English is not the applicant's native language and the applicant has not obtained a bachelor's degree or higher in the United States, the applicant must present evidence of a **TOEFL score of at least 100, an IELTS score of at least 7, or a Duolingo score of 120**. Scores over 2 years old will not be accepted. Students must ask the ETS (the testing agency) to send original 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 university in the United States or another approved country.

Conditions of Enrollment

Upon acceptance into the College of Nursing MSN program, students must meet certain conditions of enrollment:

1. Current immunizations consistent with Creighton University and/or clinical agency guidelines.

2. Verification of a physical examination to provide evidence that the student is free from contagious disease and not a health hazard to patients in various settings.
3. Background investigations and results consistent with Creighton University and/or clinical agency guidelines.
4. Drug screen and results consistent with Creighton University and/or clinical agency guidelines.
5. Completion of certification in Basic Life Support (BLS) for the "Healthcare Professional" from the American Heart Association (AHA). This course includes instruction of the Automated External Defibrillator (AED) and content for care of adults, children, and infants.
6. A current, active unencumbered registered nurse (RN) license to practice in the U.S.
7. Validation of ability to meet the cognitive, affective, and psychomotor requirements (Safety and Technical Standards)
8. A minimum of 2000 hours of employment as a RN in a direct patient care setting prior to enrollment in the first practicum course (Nursing Education only)

MSN Degree Requirements

All graduate student 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. Specialty and role courses provide students both classroom and practicum opportunities in the student's specialized role option. Please note that the degree requirements in each area are commensurate with the track.

MSN Role Options

- Nursing Administration and Leadership (p. 158)
- Nursing Education (p. 159)

MSN:Nursing Administration & Leadership

Degree Requirements (37 credits)

Code	Title	Credits
GRD 600	Orientation to Creighton	0
IPE 500	Introduction to Collaborative Care	0
Research and Theory Core Courses		
MHE 600	Scholarly Reading and Writing	3
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
NUR 783	MSN Scholarly Project Seminar	1
Leadership and Policy Core Courses		
NUR 687	Care Management and Outcomes Improvement	3
MHE 607	Practical Ethics in Health Care Settings	3
Role Support Core Courses		

NUR 692	Financial Organization of U.S. Healthcare	2
NCR Elective		3
Specialty and Role Courses		
NUR 689	Organizations As Complex Adaptive Systems	3
NUR 776	Practicum: Complex System Leadership	2
NUR 787	Organizational Transformation	3
NUR 777	Practicum: Resource Management	2
NUR 784	Nurse Manager Residency	3
Total Credits		37

MSN: Nursing Education

Degree Requirements (39 Credits)

Code	Title	Credits
GRD 600	Orientation to Creighton	0
IPE 500	Introduction to Collaborative Care	0
Research and Theory 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
NUR 767	Nursing Educator Capstone Seminar	1
Leadership and Policy 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
Specialty and Role Courses		
NUR 762	Principles of Teaching & Learning	3
NUR 763	Educational Assessment & Evaluation Strategies	3
NUR 764	Innovations in Curriculum Design, Program Assessment, & Accreditation	3
NUR 769	Nurse Educator Practicum I: Clinical Focus	1
NUR 766	Nurse Educator Role Transition	1
NUR 798	Nurse Educator Residency	3
Total Credits		39

Oral Biology

Program Director: Barbara J. O'Kane

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

- M.S., Oral Biology - Dental Materials Track (p. 161)
- M.S., Oral Biology - Anatomical Sciences Track (p. 161)

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 nine credits.

Oral Biology, Anatomical Science - M.S.

Oral Biology: Anatomical Science track course requirements (35 credits):

Code	Title	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 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	9
Total Credits		35

Oral Biology, Dental Materials Track - M.S.

Oral Biology: Dental Materials track course requirements (36 credits):

Code	Title	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

Program Director: Gretchen Oltman, J.D., Ph.D.

Program Office: Center for Health Policy and Ethics, Room 104

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
- Two letters of recommendation, preferably from one academic and one professional source, who can attest to your leadership background and aptitude
- A personal interview or additional background information may be requested
- 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.
- A program admissions committee will determine an applicant's admission eligibility after weighing the application, background, leadership experience, interest, and promise of the prospective student.

Degrees in Organizational Leadership

- M.S., Organizational Leadership (p. 163)
- M.S., Organizational Leadership/Master in Business Administration Dual Degree (p. 61)

Accelerated Master's Programs

- B.A., Communication Studies/M.S., Organizational Leadership (p. 165)
- B.S., Leadership/M.S., Organizational Leadership (p. 166)
- B.S.B.A., Management or Marketing/M.S., Organizational Leadership (p. 166)

Graduate Certificates

- Organizational Leadership (p. 164)
- Leadership and Well-Being (p. 164)
- Sports Leadership (p. 164)

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 Planning. 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. Leading Innovation and 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 626. Failing and Failure in Leadership. 3 credits.

In this course, students will examine the concept of failure, the process of failing, and how we gain resiliency and find hope in the midst of failure.

MSL 627. Leading Champions: Lessons by and from Extraordinary Athletes and Coaches. 3 credits.

This course studies leadership concepts through the real-life stories of extraordinary athletes and coaches. Students engage with the concepts of sports and coaching in order to understand how leadership impacts a variety of organizational facets and by examining how leadership theories, practices, and applications might influence perceptions of success or failure.

MSL 628. Contemporary Issues in Sports Leadership. 3 credits.

This course investigates the role of sports on economic, societal, and political institutions, in particular how contemporary issues – including diversity, equality, the media, race relations, and ethical and moral conduct – have come to dominant the sports industry and impact nearly every aspect of a country's economic, societal and political life.

MSL 631. Independent Study. 1-6 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. P. DC.

MSL 632. Contemporary Issues in Leadership. 1-3 credits.

This course examines current environmental, social, and economic issues faced by leaders. Students will analyze decision-making processes within contemporary issues as well as reflect on the unintended consequences of the decisions made. Topics will be analyzed from an economic, social, and environmental leadership perspective utilizing the application of Jesuit charisms.

MSL 650. Sport at the Service of Humanity. 3 credits.

Sports provide opportunity for a deeper study of human relationships, humanity, and service to others. This course examines the Vatican's call to see a world where people "live like they play," specifically intersection of sport, faith, and humanity.

MSL 700. Foundations of Sports Leadership. 3 credits.

This course serves as a study of concepts within sports leadership. The course provides students a historical account of sports and sports leadership as well as the opportunity to examine those factors important to understanding the foundations of sports leadership. Students will examine key areas to include leadership theories and styles, effective communication, and the relationship between leadership, management, and coaching as it applies to different organizational frameworks. Additionally, students will evaluate and analyze the relationship between motivation, empowerment, and emotional intelligence and how and why these factors contribute to effective sports leadership.

MSL 701. Coaching and Leading Through an Ignatian Lens. 3 credits.

This course examines Ignatian values within the context of coaching and leadership. Students will analyze how these fundamental tenets fit into coaching and leadership practices as well as reflect on how these values apply to their own organizations. Topics are analyzed from an organizational leadership perspective utilizing the application of Jesuit charisms and sports leadership fundamentals.

MSL 702. Ethics, Sport, and Leadership. 3 credits.

This course examines ethics, sport, and leadership concepts and provides students the opportunity to gain a rich understanding of ethics and the implications of ethical challenges, decision-making, and leadership processes.

MSL 790. Leadership Capstone. 3 credits.

This capstone course requires students to apply the core theories and concepts in the Masters of Science in Organizational Leadership Program. This culminating course requires students to actively reflect on the Program curriculum and demonstrate what they have learned in the program. P. GRD 600, MSL 600, MSL 601, MSL 602, MSL 603, MSL 632 and minimum 27 total program credits.

Organizational Leadership, M.S. M.S., Organizational Leadership Degree Requirements (36 credits)

Code	Title	Credits
Program Core Courses		
GRD 601	Writing for Graduate Students	1
MSL 600	Leadership Theory, Application and Reflection	2
MSL 601	Strategic Planning	3
MSL 602	Communicating and Leading Across Cultures	3
MSL 603	Leading Innovation and Change	3
MSL 632	Contemporary Issues in Leadership	3
MSL 790	Leadership Capstone (Must be taken in final semester)	3
Choose a concentration below or 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

Leading in Business Settings concentration (12 credits):

Code	Title	Credits
Select from the following:		
MBA 719	Finance Seminar	
MBA 767	Marketing Dynamics Seminar	
MBA 771	Leadership and Organizational Behavior	
MBA 776	Business, Ethics and Society	
MBA 779	Seminar in Management	
MIM 722	Fixed Income and Derivatives I	
MIM 730	Financial Statement Analysis I	
MIM 732	Economics of Investment Management	
Or other courses as approved by the Program Director.		
		12

Healthcare Leadership concentration (12 credits):

Code	Title	Credits
Select from the following courses:		
MHE 600	Scholarly Reading and Writing	
MHE 601	Health Policy	
MHE 602	Research Ethics	
MHE 604	Social and Cultural Contexts of Health Care	
MHE 605	Philosophical Bioethics	
MHE 606	Theories of Justice	
MHE 607	Practical Ethics in Health Care Settings	
		12

MHE 614	Ethical Aspects of End-of-Life Care
MPH 633	Health Economics and Finance
MPH 634	Health Planning and Marketing
MPH 635	Public Health Leadership
PMC 602	Organizational Development and Organizational Change
PMC 603	Clinical Practice and Quality Assurance
PMC 605	Ethics in Paramedicine
PMC 606	Education for Paramedicine Professionals
PMC 607	Human Resource Management in Healthcare

Most IWC courses or other courses as approved by the Program Director.

Leadership and Wellbeing Graduate Certificate

Graduate Certificate in Leadership and Wellbeing: (15 Credits)

Admissions Requirements

- Complete an application
- Provide an updated curriculum vitae or resume
- Provide an official transcript from the institution that granted the Bachelor's degree.
- Submit a personal statement of interest in the graduate certificate

A personal interview may be requested in addition to the above requirements. The interview may be conducted in-person or virtually.

International students may apply and must complete the certificate program from their country of residence, as F-1 visas will not be issued.

International applicants must meet the English language proficiency requirements (<https://www.creighton.edu/graduate/admissions/how-apply/#international>) of a:

- TOEFL Score of 90 or above (no section below 20); IELTS Score overall 6.5 (no section below 6.); or Duolingo Score of 110 or above.

Graduate Certificate in Leadership and Wellbeing Requirements: (15 Credits)

Code	Title	Credits
Required courses		
IHW 653	Stress and Sleep Management	3
IHW 670	Research Methods and Program Design	3
IHW 770	Wholism as a Guiding Principle for Leadership and Well-Being	3
MSL 624	Leadership and Well-Being	3
MSL 626	Failing and Failure in Leadership	3
Total Credits		15

Organizational Leadership Graduate Certificate

Graduate Certificate in Organizational Leadership: (15 Credits)

Admissions Requirements

- Complete an application
- Provide an updated curriculum vitae or resume
- Provide an official transcript from the institution that granted the Bachelor's degree.
- Submit a personal statement of interest in the graduate certificate

A personal interview may be requested in addition to the above requirements. The interview may be conducted in-person or virtually.

International students may apply and must complete the certificate program from their country of residence, as F-1 visas will not be issued.

International applicants must meet the English language proficiency requirements (<https://www.creighton.edu/graduate/admissions/how-apply/#international>) of a:

- TOEFL Score of 90 or above (no section below 20); IELTS Score overall 6.5 (no section below 6.); or Duolingo Score of 110 or above.

Graduate Certificate requirements: (15 credits)

Code	Title	Credits
GRD 601	Writing for Graduate Students	1
MSL 600	Leadership Theory, Application and Reflection	2
MSL 601	Strategic Planning	3
MSL 602	Communicating and Leading Across Cultures	3
MSL 603	Leading Innovation and Change	3
MSL 632	Contemporary Issues in Leadership	3
Total Credits		15

Sports Leadership Graduate Certificate

Graduate Certificate in Sports Leadership (15 Credits)

Admissions Requirements

- Complete an application
- Provide an updated curriculum vitae or resume
- Provide an official transcript from the institution that granted the Bachelor's degree.
- Submit a personal statement of interest in the graduate certificate
- *A personal interview may be requested in addition to the above requirements. The interview may be conducted in-person or virtually.*
- International students may apply and must complete the certificate program from their country of residence, as F-1 visas will not be issued.
- International applicants must meet the English language proficiency requirements (<https://www.creighton.edu/graduate/admissions/how-apply/#international>) of a:

- TOEFL Score of 90 or above (no section below 20); IELTS Score overall 6.5 (no section below 6.); or Duolingo Score of 110 or above.

Graduate Certificate in Sports Leadership requirements: (15 credits)

Code	Title	Credits	
Choose five (5) courses:			
MSL 626	Failing and Failure in Leadership	15	
MSL 627	Leading Champions: Lessons by and from Extraordinary Athletes and Coaches		
MSL 628	Contemporary Issues in Sports Leadership		
MSL 650	Sport at the Service of Humanity		
MSL 700	Foundations of Sports Leadership		
MSL 701	Coaching and Leading Through an Ignatian Lens		
MSL 702	Ethics, Sport, and Leadership		
Total Credits			15

Master of Science, Organizational Leadership/MBA Dual Degree

M.S., Organizational Leadership/MBA Dual Degree (48 Credits):

Course requirements

Code	Title	Credits
MBA CORE		
MBA 771	Leadership and Organizational Behavior	3
MBA 775	Business Policy And Managerial Action	3
MBA 776	Business, Ethics and Society	3
BIA 762	Survey of Business Intelligence and Analytics	3
MBA Functional Core		12
Students who have completed all of the Foundation requirements will need to take one advanced course in three of the four functional areas (ACC, ECO, FIN, MKT). The remaining six hours may be other MBA, BIA or MIM electives of the student's choice within the MBA program. A grade of B or better is required in any 500-level course taken for graduate credit & a maximum of six hours of 500-level courses taken for graduate credit may apply toward the MBA degree.		
MBA 703	Accounting for Managers	
MBA 711	Managerial Finance	
MBA 741	Economic Analysis for Managers	
MBA 761	Marketing Management	
MS-ORGL Core		
MSL 600	Leadership Theory, Application and Reflection	2
GRD 601	Writing for Graduate Students	1
MSL 601	Strategic Planning	3
MSL 602	Communicating and Leading Across Cultures	3
MSL 603	Leading Innovation and Change	3
MSL 790	Leadership Capstone	3
MSL 632	Contemporary Issues in Leadership	3
Organizational Leadership Electives		6
MSL 604	Approaches to Human Capital	
MSL 620	Leadership and Group Dynamics	

MSL 621	Cultural Dynamics of Leadership	48	
MSL 622	Humility and Leadership		
MSL 623	Developing Tomorrow's Leaders		
MSL 624	Leadership and Well-Being		
MSL 625	Interpersonal Power and Politics		
MSL 626	Failing and Failure in Leadership		
MSL 627	Leading Champions: Lessons by and from Extraordinary Athletes and Coaches		
MSL 700	Foundations of Sports Leadership		
MSL 701	Coaching and Leading Through an Ignatian Lens		
MSL 702	Ethics, Sport, and Leadership		
Total Credits			48

Admissions Requirements

Applicants must meet the admissions criteria for both the MBA and MSOL programs, including all necessary admissions testing.

B.A.-COM to M.S.-ORGL Accelerated Program

Accelerated Master's Program (AMP): Bachelor of Arts (B.A.) in Communication Studies / Master of Science (M.S.) in Organizational Leadership

The accelerated M.S. in Organizational Leadership degree for students in the B.A. in Communication Studies program will allow them to begin earning credit toward the M.S. degree during their final semesters of the B.A. degree.

Degree Requirements

1. B.A., Communication Studies requirements (<http://catalog.creighton.edu/undergraduate/arts-sciences/communication-studies/#majorstext>)
2. Plan of Study below during final semesters of B.A. degree
3. Remaining M.S., Organizational Leadership requirements (p. 163)

Course	Title	Credits
Senior		
Fall		
Fall Term 1		
MSL 600	Leadership Theory, Application and Reflection	2
GRD 601	Writing for Graduate Students	1
Fall Term 2		
MSL 601	Strategic Planning	3
Term Credits		6
Spring		
Spring Term 1		
MSL 602	Communicating and Leading Across Cultures	3
Spring Term 2		

MSL 603	Leading Innovation and Change	3
Term Credits		6
Total Credits		12

B.S.-ILS/M.S.-ORGL Accelerated Program

Accelerated Master's Program (AMP):

B.S., Leadership / M.S. Organizational Leadership (ORGL)

The accelerated M.S., ORGL degree for students in the B.S., ILS program will allow students to begin earning credit towards the M.S. degree during their final semesters in the B.S. degree program.

Degree Requirements

1. B.S., Leadership requirements (<http://catalog.creighton.edu/undergraduate/professional-and-continuing-education/bachelor-degrees/bs-leadership/>)
2. Plan of Study below during final semesters of B.S. degree
3. Remaining M.S., Organizational Leadership requirements. (p. 163)

Code	Title	Credits
GRD 601	Writing for Graduate Students	1
MSL 600	Leadership Theory, Application and Reflection	2
MSL 601	Strategic Planning	3
6 additional credits with approval from the graduate program.		6

BSBA-MGMT/MS-ORGL Accelerated Program

Accelerated BSBA (Management or Marketing) + MS-Organizational Leadership

The BSBA to MS-OL Accelerated 5-year program provides an efficient progression to complete the BSBA in Management or Marketing and the Master of Science in Organizational Leadership in five years. The program enables undergraduate students to begin taking MSOL coursework during their final undergraduate year (i.e., 4th year) in order to complete their master's degree at the conclusion of their 5th year. Students in either the BSBA: Management or BSBA: Marketing programs may apply up to 12 credit hours of MSOL coursework to both their BSBA degree (as electives) and to the MSOL master's degree.

Students in the BSBA to MS-OL Accelerated 5-year program will enroll in 12 graduate credit hours during their final two to four semesters as a BSBA undergraduate within the MSOL program. (For illustrative purposes, the table below provides an example of the timing of these courses.) In conjunction with entering the MSOL program, students will be required to complete GRD 600, an online onboarding class for all Creighton graduate students. All of these credit hours apply to the requirements of the MSOL degree and for the BSBA major.

Degree Requirements

1. BSBA, Management requirements (<http://catalog.creighton.edu/undergraduate/business/marketing-management/#text>) or

BSBA, Marketing requirements (<http://catalog.creighton.edu/undergraduate/business/marketing-management/#text>)

2. Plan of Study below during final semesters of BSBA degree
3. Remaining MS, Organizational Leadership requirements (<http://catalog.creighton.edu/graduate/graduate-programs-courses/leadership-ms/leadership-ms/>)

Course	Title	Credits
Senior		
Fall		
GRD 601	Writing for Graduate Students	1
MSL 600	Leadership Theory, Application and Reflection	2
MSL 601	Strategic Planning	3
Term Credits		6
Spring		
MSL 602	Communicating and Leading Across Cultures	3
MSL 603	Leading Innovation and Change	3
Term Credits		6
Total Credits		12

Please note that students are responsible for identifying interest in this program by the second semester of the junior year (3rd year) to allow for proper academic advising and curriculum planning/advising.

Admissions criteria are as follows:

- Students must be a declared BSBA: Management or BSBA: Marketing major in good standing at Creighton University;
- Students must have achieved a minimum cumulative Creighton GPA of 3.0 overall.
- Students must have junior or senior standing.
- Students must apply to the Graduate School prior to commencing their final six hours of graduate credit in the Accelerated program.
- No GRE is required.

Neuroscience

The Master of Science degree in Neuroscience is designed to provide coursework and a focused laboratory experience that deepen a student's understanding of the nervous system in preparation for careers in research, healthcare, and education. The program includes graduate course work in neuroanatomy, neurophysiology, neuropharmacology, and behavioral neuroscience. Graduates of this program will be qualified to work in industry and research labs, or to continue their education in a PhD program. Graduates will also be prepared to attend health professions programs including: medicine, dentistry, pharmacy, physician assistant, physical therapy, nursing or occupational therapy.

M.S., Neuroscience (45 Credits)

Code	Title	Credits
BIO 567	Current Topics in Neuroscience	3
NES 500	Introduction to Clinical Neuroscience	4

NES 566	Pharmacology of Drugs and Abuse	4
NES 592	Neuroscience Senior Seminar	1
IDC 601	Responsible Conduct of Research	1
PHR 760	Research Rounds In Pharmacology & Neuroscience	2
PHR 790	Research Laboratory Rotations	2
PHR 791	Pharmacology & Neuroscience Seminar	1
PHR 797	Master's Directed Independent Research	27
Total Credits		45

This program is an accelerated pathway that is an option for currently enrolled Bachelor of Science 4th-year Neuroscience majors who have consistently demonstrated superior motivation and performance in lecture and lab courses. Students will complete their BS and MS degrees in five years.

Courses

NES 500. Introduction to Clinical Neuroscience. 4 credits.

This course provides an introduction to the various diseases and injuries that affect the human nervous system, an introduction to the professions that work with neurologically impaired individuals and recent research into the treatment of these disorders. The topics covered will include the underlying pathology and mechanisms, the signs, symptoms and deficits, patient management, and the prognosis of selected diagnoses including (but not limited to) spinal cord injury, chronic traumatic encephalopathy, Alzheimer's disease, Parkinson's disease, bipolar disorder. Included will be a survey of the training and role of the various healthcare professions that address neurological impairments. Relevant research concerning the pathophysiology of nervous system disorders and the repair and regeneration of nervous system tissue will be introduced. P. BIO 462, BIO 463 or IC.

NES 510. Neurophysiology Lab. 2 credits.

This laboratory course is focused on delivering extensive instruction and exploration of neurophysiology and neural basis of behavior with emphasis on the mastering of techniques used within the field of neuroscience to evaluate electrical activity and intracellular communication within the nervous system. The course is designed to build upon and allow for mastering of neurophysiology concepts and techniques learned in BIO 463, Neurobiology Laboratory. This team-taught course draws upon diverse expertise of instructors to deliver a comprehensive course using both invertebrate and vertebrate models for the study of neurophysiology. Students will use neuronal systems network modeling during hands-on laboratory activities and will be expected to apply the scientific method during the implementation and critical analysis of experiments involving model systems. Students will meet the designated writing component of the Magis Core curriculum by writing an independent grant proposal directed at testing a novel hypothesis in the field of neurophysiology. The grant proposal will serve as a mechanism to improve students' written communication, critical thinking and problem solving skills. P. BIO 462, BIO 463, Contemporary Composition.

NES 566. Pharmacology of Drugs and Abuse. 4 credits.

This course will introduce the psychopharmacology of drug abuse and addiction, and has a strong neuroscience orientation. An introduction to pharmacologic thought and basic principles will be provided. The acute and long-term effects of selected drugs of abuse on behavior, mood, cognition and neuronal function will be discussed. Studies with humans will be integrated with basic preclinical studies on the neurobiological basis of drug action and drug abuse. There will be detailed coverage of synaptic transmission and the distribution, regulation and integration of brain neurotransmitter systems. The focus is on addictive drugs, including: opiates (heroin, morphine, opium), sedative-hypnotics (alcohol, barbiturates), anxiolytics (benzodiazepines), psychomotor stimulants (amphetamine, cocaine, nicotine), marijuana, hallucinogens (LSD, mescaline), hallucinogenic-stimulants (MDA, MDMA), and dissociative anesthetics (PCP). P. BIO 201, CHM 203, PSY 201, PSY 437, and IC.

NES 592. Neuroscience Senior Seminar. 1 credit.

This course covers in-depth reading and discussions on current neuroscience research topics. Students will learn to critically review current scientific papers. Students will be expected to select, read, present and lead discussions of scientific articles covering prevailing theories, concepts, ideas, and experimental techniques in neuroscience. This course will meet the Magis Core Designation for Oral Communication by recording and evaluating student presentations for accuracy of content, mastery of scientific discipline, effective oral delivery, and engagement of the audience. P. Oral Communication course; Senior Standing.

Paramedicine

Dean: Jessica Clark, DNP, RN

Interim Program Director: Andrew Eckart, BS

ems.creighton.edu (<https://ems.creighton.edu/>)

Paramedicine Education Mission

The Paramedicine department, founded on the principles of Jesuit, Catholic tradition and honoring the credo and mission of the university, is committed to providing a distinctive education which empowers individuals to become critical thinking, compassionate, respectful, skilled, and knowledgeable clinicians, who embrace authentic and servant leadership as well as value education as a lifelong process.

Overview

Creighton University's online Master of Science in Paramedicine will give you the edge in today's competitive professional world of Paramedicine. Our program is designed to prepare healthcare professionals with Paramedicine experience and a baccalaureate degree for leadership roles requiring administration, planning, education and training, quality improvement initiatives and development.

This program prepares students in the following areas:

- Organizational development and change
- Financial management
- Education
- Legal and ethical issues in Paramedicine
- Evidence based practice for quality management and improvement
- Human resource management

This 36-credit hour program is offered in 8-week online courses. Full-time and part-time plans of study are available.

Program Outcomes

Graduates with the Master of Science degree in Paramedicine will:

1. Demonstrate competency in EMS administration, including human resources, 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, discipline research, and effective problem-solving in EMS.
5. Employ ethical decision-making, service, and civic responsibility in accordance with the Judeo-Christian 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

Academic acceptance is based on academic credentials and application materials:

- a) Baccalaureate in Paramedicine (EMS) or a related BA or BS degree or a higher degree in a related discipline from an accredited college or university.
- b) A minimum of a 3.0 GPA on a 4.0 scale.
- c) Preferred candidates would be experienced professionals with at least one year of work experience in the field of Paramedicine.

Additional admission requirements include:

1. **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 Paramedicine and/or healthcare.
2. **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.
3. **Recommendation forms:** Three letters of recommendation submitted by persons other than family members and preferably submitted by employers, undergraduate faculty, and colleagues;
4. **Official transcripts** from all colleges/universities attended. Applicants must assume the responsibility of requesting the registrar of each institution previously attended to mail or email an official transcript directly to Creighton University Enrollment Services Department.

English Proficiency Requirement

Test of English as a Foreign Language (TOEFL): Evidence of a TOEFL (Test of English as a Foreign Language) score of 100 on the Internet-Based Test (IBT), and IELTS (International English Language Testing System) score of 7.0 or a Duolingo score of 120 within the past two years is required for all Paramedicine applicants who meet both criteria below:

1. Native language is not English
2. Have not obtained an undergraduate or higher in the United States*.

*Exceptions to criteria 2 include students who have completed an undergraduate degree from one of the following countries: Bermuda, British Virgin Islands, Canada, Cayman Islands, Dominica, Grenada, Guam, Ireland, Jamaica, Marshall Islands, New Zealand, St. Kitts, St. Lucia, Singapore, Trinidad and Tobago, United Kingdom, and Virgin Islands.

If applicants do not meet both criteria, the applicant can submit a waiver to the appropriate College of Nursing Admissions Committee. Each waiver will be evaluated on an individual basis.

The College of Nursing reserves the right to:

- Require prospective students to re-take the exam.
- Determine whether an approved English language proficiency exam is required of applicants who have earned a college degree from a university in the United States or another approved country. Request an interview of any prospective student.

Other Additional Requirements

Immunizations, background checks, drug screens and any other compliance requirements may be necessary based on possible practicum placements.

Courses

PMC 601. Paramedicine 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.

PMC 602. Organizational Development and Organizational Change. 3 credits.

In today's ever-changing business environment, it is imperative for leaders within Paramedicine 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 Paramedicine organizations with respect to artifacts, espoused values, mission statements, vision statements, performance goals, objectives and outcome measures.

PMC 603. Clinical Practice and Quality Assurance. 3 credits.

Patient care in Paramedicine 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 Paramedicine 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.

PMC 604. Paramedicine Financial Management. 3 credits.

Paramedicine fiscal management is complex and diverse. Paramedicine 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.

PMC 605. Ethics in Paramedicine. 3 credits.

This course focuses on the practical application of foundational concepts of ethics to clinical, administrative, and educational settings for Paramedicine professionals including ethical case analyses. Given the special environments in which Paramedicine operate, there will be an emphasis placed on interprofessional collaboration and communication. Paramedicine shares a set of medical and research ethics with medicine and nursing, however, Paramedicine leaders and managers must also be competent in the Paramedicine culture and special environment in which EMS operates.

PMC 606. Education for Paramedicine Professionals. 3 credits.

This course provides a graduate-level learning opportunity for Paramedicine professionals to develop an understanding of the principles, practices and theory of Paramedicine education. Those students who complete this course will be prepared to administer, plan, develop and advocate for Paramedicine 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 Paramedicine education and training. Employee orientation and employee development processes will also be explored.

PMC 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.

PMC 608. Paramedicine Law, Regulations and Risk Management. 3 credits.

The field of Paramedicine is governed by a complex set of federal, state and municipal laws and regulations. Paramedicine 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.

PMC 609. Paramedicine Research. 3 credits.

Evidence-based research has a profound influence on Paramedicine 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.

PMC 620. Practicum in Paramedicine 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 Paramedicine 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. P. Department Consent.

PMC 640. Independent Study. 1-3 credits.

Students who take independent study credits are expected to study an area of interest in Paramedicine 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. P. Department Consent.

PMC 650. Capstone Project. 3 credits. FA, SP, SU

PMC 650 is designed to provide the student with the opportunity to apply their acquired knowledge in Paramedicine leadership, while continuing to explore and enhance skills as Paramedicine leaders. Projects will be developed by students in consultation between the student and faculty mentor. P. PMC 601, PMC 602, PMC 603, PMC 604, PMC 605, PMC 606, PMC 607, PMC 608, and PMC, 609.

M.S., Paramedicine

M.S., Paramedicine Degree Requirements (36 credits)

Code	Title	Credits
Core Courses		
PMC 601	Paramedicine Leadership	3
PMC 602	Organizational Development and Organizational Change	3
PMC 603	Clinical Practice and Quality Assurance	3
PMC 604	Paramedicine Financial Management	3
PMC 605	Ethics in Paramedicine	3
PMC 606	Education for Paramedicine Professionals	3
PMC 607	Human Resource Management in Healthcare	3
PMC 608	Paramedicine Law, Regulations and Risk Management	3
PMC 609	Paramedicine Research	3

Electives - select from PMC courses below or graduate level courses which supplement or enhance the leadership focus of the degree, e.g., Negotiation & Conflict Resolution, Public Health, etc. 6

PMC 620	Practicum in Paramedicine Leadership	
PMC 640	Independent Study	
Capstone Project		
PMC 650	Capstone Project	3
Total Credits		36

B.S. in Paramedicine/M.S. in Paramedicine Accelerated Program

Accelerated Master's Program (AMP): Bachelor of Science in Paramedicine/Master of Science in Paramedicine

The accelerated M.S. in Paramedicine degree for students in the B.S. in Paramedicine program will allow students to begin earning credits toward the M.S. in Paramedicine degree during their final semester in the B.S. in Paramedicine degree program.

Degree Requirements:

1. B.S. in Paramedicine requirements (<http://catalog.creighton.edu/undergraduate/nursing/paramedicine/bs-paramedicine/#degreerequirementscurriculumtext>).
2. Plan of Study below during final semester of the B.S. in Paramedicine program.
3. Remaining M.S., Paramedicine requirements (p. 167).

Code	Title	Credits
Senior Year		
Fall		6
BSPMC students may take 2 of the following courses.		
PMC 601	Paramedicine Leadership	
PMC 602	Organizational Development and Organizational Change	
PMC 603	Clinical Practice and Quality Assurance	
Total Credits		6

Pharmaceutical Sciences

Program Director: Somnath Singh, BPharm., MPharm., PhD
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 MS degree. The program is administered by the Department of Pharmacy Sciences, School of Pharmacy and Health Professions. The program of study leads either to a joint (dual track) Doctor of Pharmacy (PharmD)/MS or to an MS 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

PharmD 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, and Chemistry.

Program Goals

The specific goals of this program are:

1. Graduates will be able to design and conduct research, analyze and interpret data, and effectively communicate information both orally and in writing to scientists and non-scientists.
2. Graduates will master the key concepts in the discipline of their interest in pharmaceutical sciences.
3. Graduates will be able to work independently and in collaboration with others in their area of expertise as an investigator.
4. Graduates will be prepared for progression towards an advanced higher degree, or a career in industry, or government through classroom learning, seminars, mentored research, and the writing of a thesis.
5. Graduates will address global perspectives and concerns that are related to their research work.
6. Graduates will develop problem-solving skills and critical thinking ability and apply these in developing the experimental design for obtaining the specific aims of their thesis research.
7. Graduates will review the literature critically and provide scientifically sound explanations and summaries of new developments in their area of interest.
8. Graduates will demonstrate honesty, integrity, and ethical behavior in their research and teaching.
9. Graduates will disseminate his/her work in peer reviewed journals and/or national/international conferences.

Admission Requirements

1. A Bachelor's degree or its equivalent in pharmacy or a biological, physical or chemical science from an accredited college or university.
2. Students who are in the PharmD program must be admitted into the Graduate School in order to participate in the dual PharmD/MS 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 subscore lower than 20) or IELTS (International English Language Testing System) academic

version band score of 7.5 (no subscore lower than 6.5) or Duolingo minimum overall score of 120 (no subscore less 110).

Degrees in Pharmaceutical Sciences

- M.S., Pharmaceutical Sciences (p. 172)
- Ph.D., Pharmaceutical Sciences (p. 173)

Dual Degree

- Doctor of Pharmacy (PharmD.)/ (p. 173)M.S., Pharmaceutical Sciences Dual Degree (p. 173)

Courses

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, pharmaceutics 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 602. Analytic Aspects of Pharmaceutical Sciences Research. 3 credits.

This course covers the theory, instrumentation and application of commonly used laboratory equipment, 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 608. Leadership Attributes for Professional and Personal Growth. 3 credits.

Learners will gain an understanding of the theoretical and practical aspects of leadership necessary for success in both their personal and professional lives. They will review and discuss various theories and approaches to leadership and personal and professional growth in a variety of scenarios to understand their development as leaders.

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 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. 2-3 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 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 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 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, eight credit hours are the maximum applicable toward the degree. P. DC.

MPS 800. Solid-State Pharmaceutics. 3 credits.

Most of the drug molecules with either large or small molecular weights are produced and stored as solid materials. The characteristics of these pharmaceutical solids can affect solubility, dissolution, stability, flow properties, compressibility and hygroscopicity. This course will provide the students with a wide range of studies on pharmaceutical solids. This will include the definition of a solid, chemical bonding in solids, determination of their physical properties including polymorphs and pseudo polymorphs, physical transformations between polymorphs and solvates, chemical reactions in solid-state and solid-solid reactions in pharmaceutical products and process.

MPS 897. Doctoral Dir Independent Study. 1-6 credits.

Supervised independent research for motivated students to become involved in ongoing original research projects of the pharmaceutical sciences.

Pharmaceutical Sciences - M.S. M.S., Pharmaceutical Sciences Requirements (33 Credits)

Code	Title	Credits
Electives		
List of elective courses offered by department of pharmacy sciences and other departments. On the recommendation of supervisor and thesis research committee, students may select courses from the following list depending on nature of their thesis research direction. Program director approval is needed if planning to enroll in a course not offered by department of pharmacy sciences.		
Biomedical Sciences		
BMS 760	Advance Topics in Neuroscience	3
BMS 730	Advanced Topics in Cell and Molecular Biology	3
Business Administration		
MBA 711	Managerial Finance	3
MBA 741	Economic Analysis for Managers	3
MBA 761	Marketing Management	3
Medical Microbiology/Immunology		
MIC 739	Bacterial Physiology	3
MIC 753	Advanced Antimicrobial Agents And Chemotherapy	3
MIC 746	Advanced Immunology	3
Pharmaceutical Sciences		
MPS 600	Ocular Pharmacology	2
MPS 603	Introduction to Pharmaceutical Materials Science	1
MPS 692	Directed Independent Study	1-5
MPS 693	Directed Independent Research	1-5
MPS 797	Master's Directed Independent Research	1-4
MPS 799	Master's Thesis	1-8
MPS 634	Pharmaceutical Dosage Forms and Drug Delivery Systems	2-3
MPS 633	Research Methods	1-3
Total Credits		34-55

Requirements for Specific Areas of Emphasis (The total credits show below are required for each specific emphasis area. The rest to make up for 33 credits should be taken from the list of electives)

Medicinal Chemistry

Code	Title	Credits
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 691	Pharmaceutical Science Seminar	1
MPS 792	Pharmaceutical Sciences Discussion Series	1
MPS 793	Pharmaceutical Sciences Presentation Series	1

MPS 799	Master's Thesis	8
Total Credits		23

Pharmaceutics

Code	Title	Credits
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 617	Advanced Pharmaceutics	3
MPS 691	Pharmaceutical Science Seminar	1
MPS 792	Pharmaceutical Sciences Discussion Series	1
MPS 793	Pharmaceutical Sciences Presentation Series	1
MPS 799	Master's Thesis	8
Total Credits		23

Pharmacology

Code	Title	Credits
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
MPS 691	Pharmaceutical Science Seminar	1
MPS 792	Pharmaceutical Sciences Discussion Series	1
MPS 793	Pharmaceutical Sciences Presentation Series	1
MPS 799	Master's Thesis	8
Total Credits		25

Social and Administrative Pharmacy

Code	Title	Credits
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 652	Pharmacoeconomics	3
MPS 691	Pharmaceutical Science Seminar	1
MPS 792	Pharmaceutical Sciences Discussion Series	1
MPS 793	Pharmaceutical Sciences Presentation Series	1
MPS 799	Master's Thesis	8
Total Credits		21

Pharmaceutical Sciences - Ph.D.

Ph.D., PHARMACEUTICAL SCIENCES (PPS) REQUIREMENTS (90 CREDITS)

The PPS will require a minimum of **90 credit** hours of graduate coursework which will include **30 credits** hours of required courses. The remainder of the credits can be obtained via elective courses as approved by student's supervisor (chair, dissertation committee) and and dissertation committee members.

Code	Title	Credits
Required Core Courses:		
IDC 601	Responsible Conduct of Research	1
MPS 544	Introduction to Research Methods and Biostatistics	3
MPS 608	Leadership Attributes for Professional and Personal Growth	3
MPS 792	Pharmaceutical Sciences Discussion Series	1
MPS 793	Pharmaceutical Sciences Presentation Series	1
IDC 625	Introduction to Biostatistics for the Biomedical Sciences	3
IDC 701	Research Writing	3
MPS XXX - Doctoral Dissertation		15
Electives:		
MPS 691	Pharmaceutical Science Seminar	1
MPS XXX Latest Development in Pharmaceutical Sciences		2
MPS XXX Scientific Manuscript and Grant Proposal Writing		4
MPS XXX Persuasively speaking about a grant proposal		2
MIC 753	Advanced Antimicrobial Agents And Chemotherapy	3
MPS 531	Chemical Basis Drug Action I	3
MPS 532	Chemical Basis Drug Action II	2
MPS 543	Basic Pharmacokinetics	2
MPS 600	Ocular Pharmacology	2
MPS 602	Analytic Aspects of Pharmaceutical Sciences Research	3
MPS 603	Introduction to Pharmaceutical Materials Science	1
MPS 617	Advanced Pharmaceutics	3
MPS 634	Pharmaceutical Dosage Forms and Drug Delivery Systems	3
MPS 652	Pharmacoeconomics	3
PHR 631	Medical Pharmacology I	5
PHR 632	Medical Pharmacology II	5
MIC 745	Cellular And Molecular Immunology	3
MPS XXX Novel Drug Delivery Systems		3
MPS 800	Solid-State Pharmaceutics	3
MPS 897	Doctoral Dir Independent Study	6
MPS XXX Doctoral Directed Independent Research		4-6
Total Credits		93-95

MS, Pharmaceutical Sciences/ PharmD Dual Degree

M.S., Pharmaceutical Sciences/Pharm.D. Dual Degree program

The general requirements of the Graduate School Catalog listed under Administration and Policies Governing Graduate Study must be 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.

Admission Requirements for the Pharm D/MS, Pharmaceutical Sciences dual degree program

1. A bachelor's degree* or its equivalent from an accredited college or university.
2. Apply for and enroll in the Doctor of Pharmacy program at Creighton University.
3. Students who are in the PharmD program must be admitted into the Graduate School in order to participate in the joint Pharm.D./M.S. program in pharmaceutical sciences (see Graduate School admission requirement (<https://www.creighton.edu/graduate/admissions/how-apply/>)).
4. An overall GPA of 3.0 and the GRE score are required for all applicants.
5. 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).

The following specific additional requirements must be met by a Pharm D student (without a BS degree) applying for admission to Pharm D/MPS dual program:

Complete two years of Pharm D curriculum with an overall GPA of 3.5 or higher.

1. A letter of support from a graduate faculty willing to mentor the applicant and supervise his/her graduate thesis research.
2. A letter of support from the academic advisor evaluating applicant's ability for taking additional courses needed for MPS degree.
3. A letter from applicant describing the research interest and plan for success.

Special Requirements

The following requirements are applicable to students enrolled in the PharmD/M. program:

1. A maximum of three credit hours of seminar and a maximum of eight credit hours of thesis can be applied toward the MS degree.
2. Not more than 11 credit hours of PharmD courses can be applied toward the MS degree.
3. A minimum of 22 credit hours must be earned in courses that are not listed as required courses for the PharmD degree.
4. A minimum of 33 credit hours is required for graduation.
5. A typical plan of study consists of the following:

Code	Title	Credits
Dual Credit PharmD Courses		11
Students select 11 credits from the following:		
MPS 621 or PHA 321	Health Systems and Patient Safety	
MPS 531 or PHA 337	Chemical Basis Drug Action I The Chemical Basis of Drug Action I	
MPS 532 or PHA 447	Chemical Basis Drug Action II Chemical Basis of Drug Action II	
MPS 544	Introduction to Research Methods and Biostatistics	

or PHA 350	Introduction to Research Methods and Biostatistics	
PHA 456	Ethics in the Health Care Professions	
PHR 631 or PHR 241	Medical Pharmacology I Pharmacology I	
PHR 632 or PHR 242	Medical Pharmacology II Pharmacology II	
Electives		11
Select a minimum of 11 graduate elective credits depending on your area of emphasis and nature of thesis research work. See suggestions on M.S. degree listing.		
Required courses		
Seminar Course		3
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 and Neuroscience

Graduate Study in Pharmacology & Neuroscience

Program Director (M.S. and Ph.D. Program): Timothy A. Simeone, Ph.D. (timothysimeone@creighton.edu)
Program Office: Criss III, Room 551

Pharmacology & Neuroscience (<https://medschool.creighton.edu/departments/pharmacology-and-neuroscience/>)

The Department of Pharmacology and Neuroscience 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 & Neuroscience. 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:

- Neuropharmacology
- Autonomic pharmacology,
- Cardiovascular pharmacology
- Cancer pharmacology,
- Exocrine pharmacology
- Immunopharmacology
- 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 and neuroscience offers the student a broad range of options for research endeavors and includes investigations of:

- Autism
- Asthma

- Cancer
- Drugs of Abuse
- Epilepsy
- Neurodegenerative Diseases
- Pain
- Pulmonary Hypertension
- Schizophrenia
- Teratogenicity of environmental toxins and pharmaceuticals.

The Department of Pharmacology and Neuroscience also has an affiliation with Boys Town Institute of Human Neuroscience (<https://www.boystownhospital.org/research/institute-human-neuroscience/>). This provides research opportunities for Creighton graduate students in fields of human neuroscience including:

- Imaging and Stimulation
- Brain Architecture
- Cognition
- Cortical Mapping
- Machine Learning
- Sensory Integration
- Motor Function and Learning
- Large-Scale Neural Networks

The neuroimaging techniques routinely used at Boys Town Institute of Human Neuroscience include state-of-the-art magnetoencephalography, functional magnetic resonance imaging, optically-pumped magnetometry and machine learning. Ongoing research at Boys Town Institute of Human Neuroscience also involves:

- Ageing
- Alzheimer's
- Development
- Down Syndrome
- Drugs of Abuse
- Environmental Toxins
- Hearing Loss
- Mental Health
- Physical Disabilities
- Therapeutic Interventions

Mission Statement

The mission of the Department of Pharmacology & Neuroscience 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 & Neuroscience:

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

Factors taken into consideration during admission decisions (not necessarily listed in order of importance):

Educational Background:

Bachelor of Art or Science from an accredited college/university. Applicants should have some undergraduate training in the life sciences, but a STEM-based undergraduate degree is not required. In general, students with strong biology, chemistry, physics, engineering, computer science or mathematics backgrounds are most successful and encouraged to apply. Opportunities to remedy deficiencies in basic undergraduate courses exist in the first year of graduate school.

Undergraduate Performance:

Ideally, the undergraduate record should be strong in all areas. However, evidence of ability to perform well in all science courses, particularly those stressing quantitative skills, is most important. Our program requires a minimum 3.0 GPA for admission.

Research Experience:

Research experience is not required; however, it is recommended as it demonstrates an experience-based understanding of and commitment to a research career.

Recommendations:

Strong statements of support from three persons in a position to evaluate the applicant's potential for success as a graduate student have significant impact on admissions decisions. Letters from instructors supervising research are strongly encouraged.

GRE scores:

GRE scores are not required and submission is optional. Use school code 6121 for this program.

Statement of Purpose:

The Statement of Purpose should be well-written, concise, and genuine. Overly vague statements may be detrimental. The Statement of Purpose may include discussion of career goals, motivation to attain a MS or PhD degree, or unique personal experiences that help the Committee better understand the applicant as an individual. Applicants should feel comfortable sharing extenuating circumstances that might address lapses in grades or continuous educational trajectory, but this is not necessary. The Statement of Purpose should articulate and give evidence of a strong commitment to research. Mention of specific, well-focused interests and descriptions of specific research experiences or activities are useful, but not essential, in applicant evaluation. The statement offers the applicant a unique opportunity to demonstrate critical thinking ability. It may be appropriate to discuss experiences unrelated to research or

STEM. Experiences in athletics, student council, activism, volunteering, visual arts, music, and writing can demonstrate individuality, passion, and commitment to a topic, task, or job. Applicants are encouraged to provide any and all information that they feel supports their potential for success in scientific research and that informs the Committee of the contribution they would make to our community.

Interview:

A personal interview may be requested in addition to the above requirements. The interview may be conducted in-person or virtually.

Application and Admission Timeline

All completed applications (which **MUST** include letters of recommendation) received through February 1st are guaranteed to be reviewed on this schedule for entrance for the fall semester. Applications received after the February 1st date will need to reapply for the following year.

December 1st: Review of completed applications begins.

December 15th: Application deadline.

January-March: Invited interviews for applicants.

January 15th-April 10th: Applicants are notified of admissions decision.

April 15th: Decision date for acceptance of admission offers by applicants.

August: Program Starts

Degree Program in Pharmacology & Neuroscience

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 & neuroscience. 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 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 & neuroscience as evidenced by the ability to critically judge research in the field, initiate scholarly activity based on current literature, and maintain the highest ethical and professional standards.

- Ph.D., Pharmacology & Neuroscience (p. 178)

Master of Science (M.S.) Program

The M.S. program in Pharmacology & Neuroscience is an excellent method for students to receive additional preparation for pursuit of a M.D. or Ph.D. degree. The M.S. program emphasizes a combination of course work, laboratory experience and training in the scientific method.

For those students intending the M.S. as a terminal degree, the Objectives of the program include preparation of the student for the following career paths:

1. Teaching of Pharmacology and/or Neuroscience at the undergraduate level
2. Participation in team research in universities, industry or government.
 - M.S., Pharmacology & Neuroscience (p. 178)

IDC 601. Responsible Conduct of Research. 1 credit.

This required course for students in the graduate programs at Creighton University School of Medicine is designed to introduce fundamental concepts, principles and guidelines regarding scientific integrity in biomedical research. Through readings, lectures, and case discussion students are given an opportunity to reflect on ways in which they can help foster and maintain responsible conduct in research. They also become acquainted with existing regulations, guidelines, ethical themes and on-line resources regarding the ethics of their profession.

IDC 625. Introduction to Biostatistics for the Biomedical Sciences. 3 credits.

This course will provide instruction on the common statistical methods used in biomedical science and their correct application to the design and analysis of research study questions, in-class assignments will be given for each class session based specifically on the material covered during lecture. Students will be allowed to work together to complete assignments, but must complete and submit their own work for credit. One comprehensive final exam will be given to evaluate student learning throughout the semester.

IDC 627. Research Methods. 3 credits.

Study of modern experimental methods, instrumentation, and bioinformatics tools and approaches used in biomedical research. Major course components include detection, analysis, and genetic manipulation of nucleic acids, antibody-based experimental techniques, generation, detection, and analysis of recombinant proteins, microscopy, and various experimental model systems.

IDC 701. Research Writing. 3 credits.

This course will provide instruction on grant preparation and strategy, using the NIH R21 as a model. Content will consider alternative sources of grant funding and be relevant to all research grant applications. Emphasis will be placed on writing clear English.

PHR 461. Integrative and Alternative Medicine. 1-8 credits.

This Senior Elective is a critical survey of commonly employed complementary and alternative therapies.

PHR 531. Topics in Pharmacology and Drug Discovery Journal Club. 1 credit. FA

The most ground-breaking studies (classic through recent) in the field of pharmacology are discussed in a round-table format. Students will learn the basics of the scientific method, study design, experimental technique theory and general chemical principles, physiochemical properties and drug-receptor interactions used to derive structure-activity relationships for important drug classes and predict biological properties.

PHR 532. Hot Topics in Neuroscience Journal Club. 1 credit. SP

Continuation of PHR 531. P. DC.

PHR 536. Drugs and Drug Targets. 2 credits.

The course Drugs and Drug Targets offers a detailed exploration of fundamental concepts underlying drug action and provides foundational knowledge necessary to develop into a research scientist, educator or other position requiring understanding of drugs and drug targets. The class format will include didactic lectures with open discussions.

PHR 537. Fundamentals of Neuroscience. 3 credits. FA, OD

This course will provide a detailed exploration of cellular, molecular and systems neuroscience and provide foundational knowledge necessary to becoming a neuroscientist. The class format will include didactic lectures with open discussions and self-directed computer simulated learning activities.

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 as an introductory course in pharmacology and neuropharmacology for students who have majored in or who have professional interests in biology, chemistry, biochemistry, psychology, pre-health professions and pre-medicine. Pharmacology is more than the study of the therapeutic uses of drugs. It is a science which uses the basic concepts of biology and chemistry to determine how drugs affect the organism. Neuropharmacology applies the basic principles of pharmacology to the nervous system and the tissues and organs that the nervous system regulates. Pharmacology gives a unique perspective in understanding how cells, organ systems, and organisms function. Pharmacology uses a systematic approach to investigate drug mechanisms causing a biological event for therapeutic use—from the molecular level to the whole animal. These pharmacological approaches also allow us to study how biological systems fail to function, providing information on the etiology of disease. Pharmacology research is essential for the development, testing and clinical use of drugs to treat disease.

PHR 667. Developmental Biology. 4 credits.

This is the graduate course designation for the undergraduate course BIO 467. Students are expected to fulfill all of the requirements for the undergraduate course (including the laboratory). To fulfill the graduate component of this course, students will write a research review article throughout the semester under the supervision of Dr. Kristina Simeone (and their research PI) that bridges material learned in class and their research.

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.

PHR 715. Foundational Science. 4 credits. OD

This intensive foundation course introduces the students to the scientific fields of cell and molecular biology, genetics, immunology and pharmacology.

PHR 720. Fundamentals of Brain Imaging, Recording, and Stimulation. 3 credits.

This course will provide an advanced introduction to common techniques/methods used in the primate brain for recording (e.g., multiunit recordings, electrocorticography, electroencephalography, and magnetoencephalography), imaging (e.g., magnetic resonance), and stimulating (transcranial magnetic stimulation, transcranial direct-current and alternating current stimulation). The class format will include didactic lectures with open discussions.

PHR 750. Research Discussions In Pharmacology & Neuroscience. 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 & Neuroscience. 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 Laboratory Rotations. 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 & Neuroscience Seminar. 1 credit. FA, SP

Seminars in selected subjects for pharmacology & neuroscience graduate students.

PHR 794. Special Topics in Pharmacology & Neuroscience. 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.

M.S., Pharmacology and Neuroscience

Master of Science, Pharmacology and Neuroscience: (Minimum of 30 Credits)

The M.S. program in Pharmacology & Neuroscience is an excellent method for students to receive additional preparation for pursuit of a M.D. or Ph.D. degree. The M.S. program emphasizes a combination of course work, laboratory experience and training in the scientific method.

For those students intending the M.S. as a terminal degree, the Objectives of the program include preparation of the student for the following career paths:

1. Teaching of Pharmacology and/or Neuroscience at the undergraduate level.
2. Participation in team research in universities, industry or government.

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.

Code	Title	Credits
Required Didactic Courses		
IDC 601	Responsible Conduct of Research	1
IDC 625	Introduction to Biostatistics for the Biomedical Sciences	3
PHR 536	Drugs and Drug Targets	2
PHR 537	Fundamentals of Neuroscience	3
PHR 715	Foundational Science	4
Required Seminar and Topical Courses		
PHR 531	Topics in Pharmacology and Drug Discovery Journal Club	2
PHR 532	Hot Topics in Neuroscience Journal Club	2
PHR 750	Research Discussions In Pharmacology & Neuroscience	4
PHR 760	Research Rounds In Pharmacology & Neuroscience	4
PHR 791	Pharmacology & Neuroscience Seminar	3
Required Research Courses		
PHR 795	Directed Independent Study	6
PHR 797	Master's Directed Independent Research	16-20
PHR 799	Master's Thesis	3-6
Electives		
IDC 627	Research Methods	
IDC 701	Research Writing	
PHR 461	Integrative and Alternative Medicine	
PHR 631	Medical Pharmacology I	
PHR 632	Medical Pharmacology II	
PHR 650	Introduction to Neuropharmacology	
PHR 667	Developmental Biology	
PHR 711	Receptor and Molecular Pharmacology	
PHR 720	Fundamentals of Brain Imaging, Recording, and Stimulation	

PHR 790	Research Laboratory Rotations (up to 3 credits)
PHR 794	Special Topics in Pharmacology & Neuroscience

The student must maintain at least a B (3.0) average throughout the MS program, with no more than six credits with a grade below B-.

Thesis: Master of Science 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 at least 30 days prior to the defense.

Pharmacology & Neuroscience (PhD) Ph.D., Pharmacology & Neuroscience (Minimum of 90 credits)

The Pharmacology and Neuroscience doctoral program is research-intensive providing in-depth understanding of the chosen field of interest and the scientific method. This program will prepare the student for a career in research or as a leader in academia or the pharmaceutical/ biotech industries.

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.

Code	Title	Credits
Required Didactic Courses		
IDC 601	Responsible Conduct of Research	1
IDC 625	Introduction to Biostatistics for the Biomedical Sciences	3
IDC 701	Research Writing	3
PHR 536	Drugs and Drug Targets (Research Courses)	2
PHR 537	Fundamentals of Neuroscience	3
PHR 715	Foundational Science	4
Required Seminars and Topical Courses		
PHR 531	Topics in Pharmacology and Drug Discovery Journal Club	4-5
PHR 532	Hot Topics in Neuroscience Journal Club	4-5
PHR 750	Research Discussions In Pharmacology & Neuroscience	10-14
PHR 760	Research Rounds In Pharmacology & Neuroscience	8-12
PHR 791	Pharmacology & Neuroscience Seminar	7
Required Research Courses		
PHR 595	Directed Independent Study	11-15
PHR 597	Directed Independent Research	18-20
PHR 795	Directed Independent Study	22-40
PHR 897	Doctoral Directed Independent Research	24-40
PHR 899	Doctoral Dissertation	4-12
Electives		
IDC 627	Research Methods	
PHR 461	Integrative and Alternative Medicine	
PHR 631	Medical Pharmacology I	
PHR 632	Medical Pharmacology II	
PHR 650	Introduction to Neuropharmacology	

PHR 667	Developmental Biology
PHR 711	Receptor and Molecular Pharmacology
PHR 720	Fundamentals of Brain Imaging, Recording, and Stimulation
PHR 790	Research Laboratory Rotations
PHR 794	Special Topics in Pharmacology & Neuroscience

The student must maintain at least a B (3.0) average throughout the PhD program, with no more than six credits with a grade below B-.

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. The written dissertation must be presented to the committee 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. Faculty and students are actively engaged in a wide range of research fields including:

- Astronomy
- Astro-particle Physics
- Atomic Physics
- Biological Physics
- Computational Biophysics
- Condensed Matter Physics
- High-Energy Nuclear Physics
- Laser Cooled Atoms
- Medical Physics
- Nanomaterials
- Translational Biomedical Physics

The Physics Department offers two master's-level degree programs:

- M.S., Major in Physics (p. 181)
- M.S., Major in Medical Physics (p. 183)

Degree in Physics

- M.S., Major in Physics (p. 181)
- M.S., Major in Medical Physics (p. 183)

Courses

PHY 511. Physical Optics. 3 credits. ENY, SP

Mathematical representation of waves; interference, diffraction and polarization; coherence and incoherence; lasers; Fourier analysis and synthesis. P. PHY 214 or PHY 222 or PHY 202.

PHY 512. Optics Laboratory. 1 credit. ENY, SP

Experiments in geometrical and physical optics: interferometry; lasers and holography; analytical methods based on optical principles. 3L. CO: PHY 511.

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. OD

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. ONY, SP

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. ENY, SP

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 565. Radiation Biophysics. 3 credits. FA, ONY

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 I. 3 credits. ENY, SP

A systemic study of medical imaging including projection x-ray, mammography, fluoroscopy, and computed tomography. For each imaging modality, the mathematical foundation, physical mechanisms, 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 567. Physics of Medical Imaging II. 3 credits. ENY, FA

A systemic study of medical imaging including projection x-ray, mammography, fluoroscopy, and computed tomography. For each imaging modality, the mathematical foundation, physical mechanisms, technology involved in clinical implementation, technique strengths and limitations, quantification of image quality, and routine quality assurance procedures will be examined. P. PHY 566.

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 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)

This course will prepare students particularly interested in careers in energy technology, engineering, or related disciplines, to gain internship and employment opportunities. Students will be exposed to diverse disciplines and fields in these areas via guest speakers and personal research which all will continue the development of written and oral communication skills as well as further the development of the students' ethical awareness in their careers. P. Contemporary Composition; Oral Communication; Ethics.

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. ENY, FA

Variational principles, Lagrange's equations, two-body central force motion, rigid-body motion, transformations, small oscillations.

PHY 621. Electromagnetic Theory. 3 credits. FA, ONY

Electromagnetic fields, application of Maxwell's equations to electromagnetic waves and their interaction with matter.

PHY 631. Quantum Mechanics I. 3 credits. ONY, 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. ENY, 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 661. Physics of Radiation Therapy. 3 credits. ENY, FA

A systemic study of the use of radiation in the treatment of cancer. Topics include clinical radiation generators, interactions of ionizing radiation with matter, measurement techniques for dosimetry, gamma, electron and ion beams, beam quality, dose distribution, mathematical/computational dose estimation, treatment planning, field shaping, IMRT, brachytherapy, HDR therapy, SSRS, SBRT. P. PHY 301, BIO 202; Graduate standing.

PHY 662. Radiation Dosimetry and Protection. 3 credits. ONY, SP

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 792. Medical Physics Seminar. 0.5 credits.

A series of lectures and discussion led by program faculty students and guest speakers. Topics will include the latest research in medical physics and allied disciplines, debates on topics of social relevance, and professional development. Students will be responsible for presenting a seminar focusing on a subject that is relevant to their master's research or on a subject stimulated by their clinical rotation. P. Instructor Consent; Graduate standing.

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. 0-3 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 798. Medical Physics Clinical Rotation. 3 credits.
Clinical rotations within area hospitals under the direction of a mentoring medical physicist. Students will observe Treatment planning; Treatment delivery; Quality assurance; Routine diagnostic procedures as well as special procedures (SRS, SBRT, HDR, etc.). Students will also shadow radiologists involved in various areas of diagnostic and interventional radiology including rad/fluoroscopy, mammography, MRI, CT, ultrasound and nuclear medicine. P. Instructor Consent; Graduate standing.

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, Physics

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 in the TOEFL (Test of English as a Foreign Language) examination with a score of 90 on the Internet-based Test (iBT) at the graduate level. Higher TOEFL scores are required to be competitive for teaching or research fellowships.

M.S., Major in Physics course requirements (30-33 credits):

Flexibility is achieved within the Graduate School through two types of master's programs – Thesis Option (30 Credits) and Non-Thesis Option (33 Credits) – 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.

Thesis Option (30 Credits)

Code	Title	Credits
Required Core courses:		
PHY 611	Classical Mechanics	3
PHY 621	Electromagnetic Theory	3
PHY 631	Quantum Mechanics I	3
PHY 641	Statistical Mechanics	3
PHY 791	Graduate Seminar	4
PHY 797	Directed Independent Research	3
Thesis Track		
PHY 799	Master's Thesis	6
Electives		5
Course electives may be selected with the consent of the advisor. These courses may come from the areas of mathematics/computer science, chemistry, biology, or other related field.		
Comprehensive Exam - all students must pass all sections of the three-part exam		
Total Credits		30

Non-Thesis Option (33 Credits)

Code	Title	Credits
Required Core courses:		
PHY 611	Classical Mechanics	3
PHY 621	Electromagnetic Theory	3
PHY 631	Quantum Mechanics I	3
PHY 641	Statistical Mechanics	3
PHY 791	Graduate Seminar	4
PHY 797	Directed Independent Research	3
Non-Thesis Track		
Electives:		14
Course electives may be selected with the consent of the advisor. These courses may come from the areas of mathematics/computer science, chemistry, biology, or other related field.		
Comprehensive Exam - all students must pass all sections of the three-part exam		
Total Credits		33

Courses

PHY 511. Physical Optics. 3 credits. ENY, SP
Mathematical representation of waves; interference, diffraction and polarization; coherence and incoherence; lasers; Fourier analysis and synthesis. P. PHY 214 or PHY 222 or PHY 202.

PHY 512. Optics Laboratory. 1 credit. ENY, SP

Experiments in geometrical and physical optics: interferometry; lasers and holography; analytical methods based on optical principles. 3L. CO: PHY 511.

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. OD

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. ONY, SP

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. ENY, SP

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 565. Radiation Biophysics. 3 credits. FA, ONY

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 I. 3 credits. ENY, SP

A systemic study of medical imaging including projection x-ray, mammography, fluoroscopy, and computed tomography. For each imaging modality, the mathematical foundation, physical mechanisms, 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 567. Physics of Medical Imaging II. 3 credits. ENY, FA

A systemic study of medical imaging including projection x-ray, mammography, fluoroscopy, and computed tomography. For each imaging modality, the mathematical foundation, physical mechanisms, technology involved in clinical implementation, technique strengths and limitations, quantification of image quality, and routine quality assurance procedures will be examined. P. PHY 566.

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 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)

This course will prepare students particularly interested in careers in energy technology, engineering, or related disciplines, to gain internship and employment opportunities. Students will be exposed to diverse disciplines and fields in these areas via guest speakers and personal research which all will continue the development of written and oral communication skills as well as further the development of the students' ethical awareness in their careers. P. Contemporary Composition; Oral Communication; Ethics.

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. ENY, FA

Variational principles, Lagrange's equations, two-body central force motion, rigid-body motion, transformations, small oscillations.

PHY 621. Electromagnetic Theory. 3 credits. FA, ONY

Electromagnetic fields, application of Maxwell's equations to electromagnetic waves and their interaction with matter.

PHY 631. Quantum Mechanics I. 3 credits. ONY, 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. ENY, 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 661. Physics of Radiation Therapy. 3 credits. ENY, FA

A systemic study of the use of radiation in the treatment of cancer. Topics include clinical radiation generators, interactions of ionizing radiation with matter, measurement techniques for dosimetry, gamma, electron and ion beams, beam quality, dose distribution, mathematical/computational dose estimation, treatment planning, field shaping, IMRT, brachytherapy, HDR therapy, SSRS, SBRT. P. PHY 301, BIO 202; Graduate standing.

PHY 662. Radiation Dosimetry and Protection. 3 credits. ONY, SP

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 792. Medical Physics Seminar. 0.5 credits.

A series of lectures and discussion led by program faculty students and guest speakers. Topics will include the latest research in medical physics and allied disciplines, debates on topics of social relevance, and professional development. Students will be responsible for presenting a seminar focusing on a subject that is relevant to their master's research or on a subject stimulated by their clinical rotation. P. Instructor Consent; Graduate standing.

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. 0-3 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 798. Medical Physics Clinical Rotation. 3 credits.

Clinical rotations within area hospitals under the direction of a mentoring medical physicist. Students will observe Treatment planning; Treatment delivery; Quality assurance; Routine diagnostic procedures as well as special procedures (SRS, SBRT, HDR, etc.). Students will also shadow radiologists involved in various areas of diagnostic and interventional radiology including rad/fluoroscopy, mammography, MRI, CT, ultrasound and nuclear medicine. P. Instructor Consent; Graduate standing.

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.

Medical Physics

Program Director: Michael G. Nichols, Ph.D.

The M.S. in 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 (thesis option) 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 an understanding of the role of patient safety in the clinical practice of medical physics;
3. demonstrate professional attributes and ethical behaviors required of medical physicists;
4. demonstrates skills in communication through writing and oral presentation;

5. demonstrate proficiency in theoretical or experimental research design;
6. effectively use the research process to pose and address relevant problems in research and clinical settings;
7. demonstrate a conceptual and methodological understanding of how research leads to the creation of new knowledge and the re-interpretation of existing knowledge;
8. present effective progress reports on their research;
9. complete a M.S. thesis which demonstrates effective synthesis and analysis of current research and scholarship in medical physics;
10. demonstrate deliberate reflection for personal and professional formation;
11. develop communication and interpersonal skills needed to function in a collaborative environment;
12. 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.

The Master of Science in 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 (Thesis required) and clinical experience (clinical rotations in local hospitals) to provide the experience needed by practicing medical physicists.

M.S., Medical Physics Degree requirements (p. 186)

B.S, Biomedical Physics / M.S., Medical Physics Accelerated Program (p. 186)

Courses

PHY 511. Physical Optics. 3 credits. ENY, SP

Mathematical representation of waves; interference, diffraction and polarization; coherence and incoherence; lasers; Fourier analysis and synthesis. P. PHY 214 or PHY 222 or PHY 202.

PHY 512. Optics Laboratory. 1 credit. ENY, SP

Experiments in geometrical and physical optics: interferometry; lasers and holography; analytical methods based on optical principles. 3L. CO: PHY 511.

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. OD

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. ONY, SP

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. ENY, SP

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 565. Radiation Biophysics. 3 credits. FA, ONY

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 I. 3 credits. ENY, SP

A systemic study of medical imaging including projection x-ray, mammography, fluoroscopy, and computed tomography. For each imaging modality, the mathematical foundation, physical mechanisms, 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 567. Physics of Medical Imaging II. 3 credits. ENY, FA

A systemic study of medical imaging including projection x-ray, mammography, fluoroscopy, and computed tomography. For each imaging modality, the mathematical foundation, physical mechanisms, technology involved in clinical implementation, technique strengths and limitations, quantification of image quality, and routine quality assurance procedures will be examined. P. PHY 566.

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 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)

This course will prepare students particularly interested in careers in energy technology, engineering, or related disciplines, to gain internship and employment opportunities. Students will be exposed to diverse disciplines and fields in these areas via guest speakers and personal research which all will continue the development of written and oral communication skills as well as further the development of the students' ethical awareness in their careers. P. Contemporary Composition; Oral Communication; Ethics.

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. ENY, FA

Variational principles, Lagrange's equations, two-body central force motion, rigid-body motion, transformations, small oscillations.

PHY 621. Electromagnetic Theory. 3 credits. FA, ONY

Electromagnetic fields, application of Maxwell's equations to electromagnetic waves and their interaction with matter.

PHY 631. Quantum Mechanics I. 3 credits. ONY, 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. ENY, 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 661. Physics of Radiation Therapy. 3 credits. ENY, FA

A systemic study of the use of radiation in the treatment of cancer. Topics include clinical radiation generators, interactions of ionizing radiation with matter, measurement techniques for dosimetry, gamma, electron and ion beams, beam quality, dose distribution, mathematical/computational dose estimation, treatment planning, field shaping, IMRT, brachytherapy, HDR therapy, SSRS, SBRT. P. PHY 301, BIO 202; Graduate standing.

PHY 662. Radiation Dosimetry and Protection. 3 credits. ONY, SP

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 792. Medical Physics Seminar. 0.5 credits.

A series of lectures and discussion led by program faculty students and guest speakers. Topics will include the latest research in medical physics and allied disciplines, debates on topics of social relevance, and professional development. Students will be responsible for presenting a seminar focusing on a subject that is relevant to their master's research or on a subject stimulated by their clinical rotation. P. Instructor Consent; Graduate standing.

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. 0-3 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 798. Medical Physics Clinical Rotation. 3 credits.

Clinical rotations within area hospitals under the direction of a mentoring medical physicist. Students will observe Treatment planning; Treatment delivery; Quality assurance; Routine diagnostic procedures as well as special procedures (SRS, SBRT, HDR, etc.). Students will also shadow radiologists involved in various areas of diagnostic and interventional radiology including rad/fluoroscopy, mammography, MRI, CT, ultrasound and nuclear medicine. P. Instructor Consent; Graduate standing.

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.

Medical Physics - M.S.

The M.S. in 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 (Thesis required) and clinical experience (clinical rotations in local hospitals) to provide the experience needed by practicing medical physicists.

M.S., Medical Physics Degree requirements (43-46 credits)

Thesis Option (43 Credits)

Code	Title	Credits
Required Core courses:		
PHY 565	Radiation Biophysics	3
PHY 566	Physics of Medical Imaging I	3
PHY 567	Physics of Medical Imaging II	3
PHY 531	Quantum Mechanics	3
PHY 553	Computational Physics	3
PHY 561	Nuclear Physics	3
PHY 562	Nuclear Instruments And Methods	2
PHY 661	Physics of Radiation Therapy	3
PHY 662	Radiation Dosimetry and Protection	3
PHY 792	Medical Physics Seminar	2
PHY 797	Directed Independent Research	3
PHY 798	Medical Physics Clinical Rotation	3
Thesis Track		
PHY 799	Master's Thesis (or PHY 500-level or above)	6
PHY 793	Directed Independent Readings	3
or PHY 795	Directed Independent Study	
or PHY 797	Directed Independent Research	
Comprehensive Exam - all students must pass all sections of the three-part exam		
Total Credits		43

Non-Thesis Option (46 Credits)

Code	Title	Credits
Required Core courses:		
PHY 531	Quantum Mechanics	3
PHY 553	Computational Physics	3
PHY 561	Nuclear Physics	3
PHY 562	Nuclear Instruments And Methods	2
PHY 565	Radiation Biophysics	3
PHY 566	Physics of Medical Imaging I	3
PHY 567	Physics of Medical Imaging II	3
PHY 661	Physics of Radiation Therapy	3
PHY 662	Radiation Dosimetry and Protection	3
PHY 792	Medical Physics Seminar	2
PHY 797	Directed Independent Research	3
PHY 798	Medical Physics Clinical Rotation	3
Non-Thesis Track		
Electives:		12

Course electives may be selected with the consent of the advisor. These courses may come from the areas of mathematics/computer science, chemistry, biology, or other related field.

Comprehensive Exam - all students must pass all sections of the three-part exam

Total Credits **46**

B.S.-PHYB/M.S.-MPHY Accelerated Program

Accelerated Master's Program (AMP): Bachelor of Science (B.S.), in Biomedical Physics / Master of Science (M.S.), in Medical Physics

The accelerated M.S. in Medical Physics degree program for students in the B.S. in Biomedical Physics program will allow students to begin earning credits toward the M.S. degree during their final semesters in the B.S. degree program.

Degree Requirements

1. B.S., Biomedical Physics requirements (<http://catalog.creighton.edu/undergraduate/arts-sciences/physics/biomedical-physics-bs/>)
2. Plan of Study below during the final semesters of the B.S. degree
3. Remaining M.S., Medical Physics requirements (p. 186)

Course	Title	Credits
Senior		
Fall		
PHY 531	Quantum Mechanics	3
Or any PHY 500 level course offered in Fall semester		
Term Credits		3
Spring		
PHY 553	Computational Physics	3
PHY 792	Medical Physics Seminar	0.5
Term Credits		3.5
Total Credits		6.5

Public Health

Public Health Program

In the School of Medicine's Public Health program, experience an education grounded in the Jesuit values that make up our mission, including caring for the whole person and working for the best interests of poor and marginalized populations.

Promote positive change and transform the health and well-being of your community through Creighton University's online Master of Public Health (MPH).

Program Goal

The Master of Public Health program is ideal for students seeking a rewarding career promoting healthy individuals, families and communities by solving public health issues.

Council on Education for Public Health

The Master of Public Health program is accredited by the Council on Education for Public Health.

ASPPH Member School

The Master of Public Health program is a member of the Association of Schools and Programs of Public Health.

Master of Public Health (MPH)

Master of Public Health General Requirements

Program Director: Dhitinut Ratnapradipa, PhD
Department Chair: Maureen Tierney, MD, MSc, FIDSA

The Master of Public Health (MPH) program is accredited by the Council on Education for Public Health (CEPH) with a minimum of 42 credit hours. It is offered fully online (no residency requirement) and includes 21 credit hours of core courses, 15 credit hours in your chosen concentration, 3 credit hours of practice experience and 3 credit hours for a Capstone project. Students choose one of three available areas of concentration: Health Care Ethics, Healthcare Management, or Global Health Promotion. Since the program targets working professionals, most courses are offered as eight-week modules. Students who take one course each term will complete the program in about two-and-a-half years. Students who successfully complete the pre-applied practice experience checklist in the MPH program can enroll in their practice experience. This experience culminates in a Capstone course with a final paper. Students will identify a practice site/agency and will work with a preceptor to develop a master's level project designed to demonstrate mastery of competencies learned in the program.

Meet the MPH Faculty (<https://www.creighton.edu/medicine/faculty/public-health-mph/>)

What to Expect from a Public Health Degree (<https://www.creighton.edu/blog/what-expect-public-health-degree/>)

Master of Public Health Degree Requirements: (42 Credits)

Code	Title	Credits
Core Public Health Knowledge (7 courses; 21 credits)		
IPE 001	Interprofessional Education Passport	0
IPE 500	Introduction to Collaborative Care	0
MPH 601	Organization and Management of Public Health Services	3
MPH 604	Social and Behavioral Aspects of Public Health	3
MPH 605	Epidemiology	3
MPH 606	Environmental Health	3
MPH 609	Introduction to Community-Based Participatory Research	3
MPH 615	Ethical Issues in Public Health: A Global Perspective	3
MPH 707	Introduction to Mixed Methods	3
Applied and Integrative Practice Experience (2 courses; 6 credits)		
MPH 611	Practice Experience	3
MPH 612	Capstone	3

Select one of the following Concentrations: 15

Health Care Ethics Concentration (5 courses; 15 credits)

MHE 600	Scholarly Reading and Writing
MHE 601	Health Policy
MHE 604	Social and Cultural Contexts of Health Care
MHE 606	Theories of Justice
MHE 610	Introduction to Bioethics

Healthcare Management Concentration (5 courses; 15 credits)

MPH 608	Health Communication and Informatics
MPH 632	Human Resources for Healthcare Managers
MPH 633	Health Economics and Finance
MPH 634	Health Planning and Marketing
MPH 635	Public Health Leadership

Global Health Promotion Concentration (5 courses; 15 credits)

Required (4 courses)	
MPH 607	Biostatistics
MPH 617	Emerging Global Health Issues
MPH 636	Public Health Intervention
MPH 645	Global Health Epidemiology
Elective (select 1 course offered each year: 3 credits)	
MPH 602	Community Health Assessment
MPH 637	Environmental Health Risk Communication
MPH 639	Communicable Disease and Prevention
MPH 640	Planetary Health and Sustainability
MPH 641	Environmental Health Policy
MPH 643	Public Health Grant Writing

Total Credits 42

Courses

MPH 561. Exploring Holistic Health - Implications for Care and Policy. 3 credits.

This course explores different understandings of health and how these influence perceptions and practices of care as well as policies pertaining to public health care. Students will compare and contrast their own understandings with those of diverse groups and professionals encountered during a two-week program abroad.

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.

This course provides an introduction to Community-based Participatory Research (CBPR). This course is NOT a methodology course; CBPR is an approach to conducting research that can be used with many research designs and methodologies. It is intended to provide students a grounding in the goals and application of CBPR; the theoretical background that informs CBPR; an introduction to theories of race, ethnicity, power, difference, gender and sexuality; the formation and maintenance of community partnerships; the use of CBPR to promote health equity and social justice; and the introduction of CBPR techniques to institutional review boards and funders.

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. Completion of pre-applied practice experience checklist (P-APEX).

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 611.

MPH 615. Ethical Issues in Public 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 (about 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): obesity, pandemics and vaccination, disasters and humanitarian aid, conflict of interest in screening and medical guidelines, medical research agenda and global justice.

MPH 617. Emerging Global Health Issues. 3 credits.

This course presents an overview of global health issues through examination of major determinants of health and key areas of disease burden. Student will be introduced to the complex tapestry of social, economic, political, and environmental factors that affect the health of populations globally.

MPH 632. Human Resources for Healthcare Managers. 3 credits.

This course approaches human resources in healthcare organizations from a strategic perspective. It is designed to equip human resource managers and those acting in that capacity with an understanding of how human resource practices need to align with the strategic plan and mission of the organization. We will cover key human resources aspects: 1) job analysis, 2) recruitment and selection, 3) managing a diverse workforce, 4) performance management, 5) rewards and compensation, 6) organizational development and learning, and 7) quality improvement in human resources. In addition, we will discuss the legal contexts around human resource management and the broader labor market.

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 an 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.

MPH 636. Public Health Intervention. 3 credits.

In this course, students will explore critical foundation concepts of public health promotion and intervention, including the use of behavior-oriented theories and environment-oriented theories. Students will discuss how to apply these theories in a systematic step-by-step process for intervention development called intervention mapping.

MPH 637. Environmental Health Risk Communication. 3 credits.

This course covers key concepts of risk communication theory as well as their practical application to the collection and sharing of information in support of individual and community decision-making about public health issues. Emphasis in the course is on professional best practices, especially how to communicate with the general public, special populations, and the news media. Use of social media, especially for disaster communication and response, will also be explored. Challenges in communicating with underserved and non-English speaking populations will be discussed.

MPH 639. Communicable Disease and Prevention. 3 credits.

This course takes a comprehensive look at the history, theory and practical aspects of public health and communicable diseases. An overview will be given of critical topics related to the identification, control, and prevention of newly emerging, as well as long recognized infectious diseases with public health importance. The clinical presentation, modes of transmission, geographic distribution and prevention of these infections will be considered from an epidemiologic perspective. This course provides foundational knowledge that help prepare public health and healthcare professionals to work in the prevention and control of infectious diseases. Selected communicable disease control programs and policies will be assessed for their strengths and weaknesses.

MPH 640. Planetary Health and Sustainability. 3 credits.

This course will provide students with a big picture perspective of planetary health, research, policy, and practice issues related to it, and the implications and opportunities related to planetary health for public and population health globally. A key theme throughout will be consideration of health and social equity issues and the differential impacts of climate and other environmental changes on populations in light of these issues.

MPH 641. Environmental Health Policy. 3 credits.

This course provides an overview of the development, structure, function, and implementation of environmental health policy at local, national, and global scales.

MPH 643. Public Health Grant Writing. 3 credits.

Grant funding is critical to develop public health knowledge and infrastructure. Organizations such as community-based agencies may write grants to obtain funding to improve the health of their community, and other organizations, such as universities, may write grants to conduct research. In this course, students will learn major grant writing aspects: developing an idea for a project, writing a succinct and impactful one page summary of an idea, considering potential funding sources, and writing a grant application. This course presents a step-by-step approach to writing grants. Throughout this course, students will develop an idea into a written grant proposal. The course culminates in this draft proposal, not an actual grant submission. However, submission may be possible with further development.

MPH 645. Global Health Epidemiology. 3 credits.

This course focuses on the studies of the classic functions of field epidemiology and the application of epidemiological methods to unexpected global health issues. Students will examine global health interventions to understand features of successful programs.

MPH 707. Introduction to Mixed Methods. 3 credits.

This course provides an overview and introduction to mixed methods research, which involves collecting, analyzing, and integrating both quantitative and qualitative research in a study. After a brief review of the similarities and distinctions between quantitative and qualitative research, this introduction consists of defining mixed methods research and its foundations. We will then examine the types of mixed methods designs available and discuss the process of research as it relates to each of these designs. Throughout the course, we will cover the components of rigorous mixed methods.

MPH 795. Selected Topics MPH Pre-Practicum. 1-3 credits.

Students will complete the necessary pre-practicum requirements for their practicum placement in MPH 611. To achieve a successful practicum placement, MPH 795 Selected Topic Pre-Practicum requires the student to work in collaboration with their practicum course director and practicum course instructor.

Center for Professional and Corporate Excellence

Center for Professional and Corporate Excellence

Dean: Dr. Gayla Stoner

The College of Professional and Continuing Education is a leader in business education and professional development, providing experiential learning opportunities tailored for the adult learner and working professionals. Our faculty members blend the best of the academic classroom with the highest quality professional development in the region. Guided by Creighton's Jesuit heritage, we form leaders who promote justice and use their business knowledge to improve their organizations and communities.

A wide range of programs and certifications are offered, from one-day classes to long-range consulting sessions to yearlong leadership programs. More information can be found on the website.

Courses

CBI 505. Introduction to Executive Leadership. 1-3 credits.

Business fundamentals course designed to develop knowledge and skills for professionals to use as guiding principles when leading in a contemporary business context. The course takes a survey approach to the functional areas of business including accounting, marketing, ethics, finance, management, supervision and human resources. Furthermore, the course demonstrates how these functional areas relate to the overall organization. This course is customized to meet the needs of client organizations.

CBI 506. Advanced Executive Leadership. 1-3 credits.

This leadership development course enables high potential employees to develop their leadership skills. This is a comprehensive course focused on rapidly expanding participants' knowledge of business transformation while gaining direct practice leading teams to deliver greater value to stakeholders. This course is customized to meet the needs of client organizations.

CBI 515. Business Operations-Technical Focus. 1-3 credits.

This course is a multi-disciplinary management and leadership course that uses an experiential learning approach to help students develop critical thinking and problem-solving skills to address contemporary business needs and issues. It focuses on technical and discipline-specific hard skills and emphasizes the analysis and application of fundamental concepts, tools and techniques, and methods in the disciplines of operations management, and project, program, and portfolio management (PPPM). This course is customized to meet the needs of client organizations.

CBI 516. Business Operations-Interpersonal, Interdisciplinary, and Transversal Skills Focus. 1-3 credits.

This course is a multi-disciplinary management and leadership course that uses an experiential learning approach to help students develop critical thinking and problem-solving skills to address contemporary business needs and issues. This course focuses on interpersonal, interdisciplinary, and transversal skills and areas with an emphasis on the analysis and application of fundamental concepts, tools and techniques, and methods in relation to the operations management, and project, program, and portfolio management (PPPM) environments. This course is customized to meet the needs of client organizations.

CBI 602. Executive LEAP. 3 credits.

LEAP fosters innovative, critical thinkers to develop their leadership skills with true integrity and authenticity. LEAP is a comprehensive year-long program focusing on rapidly expanding your experience in transforming business while you gain direct practice leading teams to deliver greater value to your clients.

CBI 605. Business 101. 3 credits.

This program is built based on strong examples of transportation related market changes. Training sessions are hand-on with case studies using internal projects and railroad-transportation terminology. The program will demonstrate applicable understanding in the following areas: Economics, Human Resource Management, Marketing Management, Business Strategy, Team Building, Collaboration, Financial Management, Business Writing using TPTs and Business Ethics.

CBI 606. Leadership U. 3 credits.

The Creighton Leadership U program is designed for ambitious and talented professionals seeking to accelerate their leadership development. This program delivers the best practices in corporate leadership development while leveraging the expertise of Creighton's business faculty. Participants will gain leadership skills applicable to their career aspirations through experiential learning and facilitated conversations with their managers, mentors, and peers.

CBI 612. IMPACT. 6 credits.

An intensive, innovative and collaborative program for those who lead teams. With an emphasis on strategically leading teams, this four session program - purposefully designed to span multiple months - equips leaders with practical tools and best practices.

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 A. Abbott, *Professor of Nursing* (1996; 2024).

B.S.N., Creighton University, 1992; M.S. in Nursing, Creighton University, 1998; Ph.D., University of Nebraska Medical Center, 2008

Peter W. Abel, *Professor of Pharmacology* (1987; 1997); *Chair, Pharmacology and Neuroscience* (2018).

B.S., University of Wisconsin, 1973; Ph.D., West Virginia University, 1978

Susan Aizenberg, *Professor Emeritus of English* (2001; 2017).

B.F.A., University of Nebraska at Omaha, 1989; M.F.A., Vermont College, 1992

C. Anton Ames, *Instructor of Business Intelligence and Analytics* (2014).

B.S., Park University, 2001; M.B.A., University of Missouri, 2010

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

Carin L. Appleget, *Associate Professor of Education* (2018; 2024).

B.S., University of Nebraska-Lincoln, 1989; M.S., 1996; Ph.D., 2019

Donald R. Babin, *Professor Emeritus of Biomedical Sciences* (1967; 2007).

B.S., University of New Brunswick (Canada), 1958; Ph.D., 1962

Amy S. Badura Brack, *Professor of Psychology* (1998; 2013).

B.A., University of Notre Dame, 1992; Ph.D., University of Iowa, 1998

Angela Bahle-Lampe, *Associate Professor of Occupational Therapy* (2014; 2021).

B.S.O.T., Creighton University, 1994; O.T.D., 1997

Sara E. Banzhaf, *Associate Professor of Nursing* (2013; 2024).

B.S.N., Clarkson College of Nursing, 1986; M.S.N., University of Nebraska Medical Center, 2012; D.N.P., Creighton University, 2017

Laura C. Barritt, *Chair of Oral Biology; Professor of Oral Biology* (1998; 2018).

B.S., Carroll College, 1989; Ph.D., University of Nebraska Medical Center, 1994

Jason C. Bartz, *Professor of Medical Microbiology & Immunology* (2003; 2013); *Professor of Pharmacology and Neuroscience* (2019); *Associate Dean, Academic and Faculty Affairs* (2013).

B.S., University of Wisconsin-Stevens Point, 1990; M.S., University of Wisconsin-Madison, 1994; Ph.D., 1998

Andrew Baruth, *Professor of Physics* (2012; 2023).

B.S., Doane College, 2003; Ph.D., University of Nebraska-Lincoln, 2009

Ryan K. Batenhorst, *Director of Paramedicine* (2020; 2022); *Director, Department of Paramedicine*.

B.A., Bellevue University, 2013; M.Ed., Nebraska Wesleyan University, 2018

Michael Belshan, *Professor of Medical Microbiology & Immunology* (2005; 2019).

B.S., Iowa State University, 1993; Ph.D., 1999

Tanya Benedict, *Professor of Clinical Research and Public Health* (2015).

B.A., University of Arkansas, 1992; M.S., 1994; Ph.D., University of North Carolina, 1999

Jason Beste, *Associate Professor of Clinical Research and Public Health* (2022).

B.S., Creighton University, 2003; M.D., 2008; M.P.H., University of Washington, 2016

Sara Bharwani, *Assistant Clinical Professor of Medical Humanities* (2021).

B.A., Saint Mary's University of Minnesota, 1998; ; M.A., Creighton University, 2008; ; Ed.D., 2020

Shirley A. Blanchard, *Professor of Occupational Therapy* (1990; 2017); *Associate Professor Department of Internal Medicine* (2004); *Associate Professor of Community and Preventive Dentistry in the Department of Oral Health Promotion* (2014).

B.S.O.T., Virginia Commonwealth University, 1975; M.S., University of Nebraska, Omaha, 1981; Ph.D., University of Nebraska, Lincoln, 2002

Candace D. Bloomquist, *Associate Professor of Interdisciplinary Studies* (2016; 2022).

B.S., Creighton University, 2001; M.S., Kansas State University, 2005; Ph.D., University of Saskatchewan, 2010

Charles S. Bockman, *Assistant Professor of Pharmacology* (1996).

B.A., Emory University, 1984; Ph.D., Creighton University, 1993

Dulcinea Boesenberg, *Associate Professor of Theology* (2014; 2020).

B.A., Hanover College, 2002; M.T.S., University of Notre Dame, 2007; Ph.D., 2014

Janet Boller, (2016).

B.S. Applied Science, Nebraska Wesleyan University, 1970; M.S.N., California State University, 1980; Ph.D., University of California, 2001

Travis J. Bourret, *Associate Professor of Medical Microbiology and Immunology* (2015; 2022).

B.S., University of Nebraska-Lincoln, 2002; Ph.D., University of Colorado Health Sciences Center, 2008

Alfred G. Bracciano, *Professor of Occupational Therapy* (2005; 2017).

B.S.O.T., Wayne State University, 1978; M.S.A., Central Michigan University, 1985; Ed.D., Western Michigan, 1992

James D. Bramble, *Associate Professor of Pharmacy Sciences* (1997; 2004).

B.S., University of Utah, 1991; M.P.H., University of Oklahoma, 1993; Ph.D., Medical College of Virginia, 1998

Charles B. Braymen, *Associate Professor of Economics* (2011; 2016).

B.A., University of Nebraska-Lincoln, 1999; Ph.D., University of North Carolina, 2007

Nancy Bredekamp, *Assistant Professor of Nursing* (2004; 2007); *Assistant Dean of Graduate Programs/Graduate Faculty Chair*.

B.S.N., Creighton University, 1992; M.S., 2003; Ph.D., University of Colorado, 2013

A. Barron Breland, *Professor of Fine and Performing Arts* (2008; 2020); *Dean, Graduate School; Vice Provost for Faculty and Academic Affairs* (2022).

B.M., University of Georgia, 2001; M.M., Indiana University, 2003; D.M., 2009

Kristie N. Briggs, *Professor of Economics and Finance* (2008; 2020); *Associate Dean, Heider College of Business Faculty; Director, Doctor of Business Administration Program* (2022).

B.A., American University, 2002; Ph.D., University of North Carolina-Chapel Hill, 2008

Barbara L. Brock, *Professor Emerita of Education* (1995; 2017).

B.A., Briar Cliff College, 1965; M.S., Creighton University, 1983; Ed.D., University of Nebraska, Lincoln, 1988

Mary Lee Brock, *Assistant Director and Assistant Professor of Negotiation and Conflict Resolution* (2009; 2009).

B.A., Creighton University, 1982; M.Ed., South Dakota State University, 1983

Michael A. Brown, *Assistant Professor Emeritus of Philosophy* (1987; 2023).

B.A., Carroll College (Montana), 1979; M.A., University of Notre Dame, 1981; Ph.D., Emory University, 1987

Sherri Brown, *Professor of Theology* (2014; 2024).

B.A., Washington & Lee University, 1991; M.Div., Yale University Divinity School, 1996; M.S.W., Columbia University, 1997; Ph.D., Catholic University of America, 2008

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

Olaf E. Böhlke PhD, *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

Susan Calef, *Assistant Professor of Theology* (1995).

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., 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

J. Jay Carney, *Professor of Theology* (2011; 2023); *Director of Christian Spirituality Program* (2011; 2023).

B.A., University of Arkansas, 1999; M.Div., Duke University, 2005; Ph.D., Catholic University of America, 2011

Catherine A. Carrico, *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., 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 Emeritus of Medical Microbiology & Immunology* (1968; 2018).

B.S., LeMoyne College, 1957; M.S., Marquette University, 1959; Ph.D., University of Wisconsin-Madison, 1965

Helen S. Chapple, *Professor of Bioethics* (2007; 2019); *Professor of Medical Humanities* (2007; 2019).

B.A., George Washington University, 1971; A.D., Shenandoah University, 1987; M.A., University of Virginia, 1994; Ph.D., 2007

Archana Chatterjee, *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

Xian-Ming Chen, *Clinical Professor of Medical Microbiology & Immunology* (2007; 2021).

M.S., Shanxi Medical University (China), 1988; M.D., Hubei Medical University Xianning Medical School (China), 1985

Shih-Chuan Cheng, *Professor Emeritus of Mathematics* (1979; 2021).

B.S., National Cheng-Chi University (Taiwan), 1970; M.S., Utah State University, 1974; M.S., Florida State University, 1976; Ph.D., 1978

Michael G. Cherney, *Professor Emeritus of Physics* (1989; 2017).

B.S., Marquette University, 1979; M.S., University of Wisconsin at Madison, 1980; Ph.D., 1987

Robert J. Churchill, *Assistant Professor Emeritus of English* (1980; 2016).

B.A., Creighton University, 1966; M.A., 1970; Ph.D., University of Nebraska at Lincoln, 1979

Sam Cipolla, *Professor Emeritus of Physics* (1969; 2011).

B.S., Loyola University Chicago, 1962; M.S., Purdue University, 1965; Ph.D., 1969

Susan C. Connelly, *Associate Professor of Nursing* (2008; 2019).

B.S.N., Creighton University, 1988; M.N., University of Washington, 1997; D.N.P., South Dakota State University, 2013

Timothy J. Cook, *Professor of Education* (1996; 2011); *Chair, Department of Education*.

B.A., John Carroll University, 1980; M.Ed., Boston College, 1987; Ph.D., 1990

Elizabeth F. Cooke, *Professor of Philosophy* (2001; 2013).

B.A., Catholic University of America, 1992; M.A., St. John's College (Annapolis, MD), 1993; Ph.D., St. Louis University, 2000

Brenda M. Coppard, *Professor of Occupational Therapy* (1992; 2014).

B.A., Creighton University, 1989; M.S.O.T., Rush University, 1991; Ph.D., University of Nebraska, Lincoln, 2000

Cynthia L. Corritore, *Professor of Information Systems* (1996; 2010).

B.S.N., University of Nebraska Medical Center, 1979; M.S.N., 1981; M.S., University of Nebraska, Lincoln, 1991; Ph.D., 1996

Amy J. Cosimano, *Assistant Professor of Family and Community Medicine* (2005; 2010).

B.S., University of Nebraska Medical Center, 1987; B.S.N., Creighton University, 1995; M.S.N., University of Nebraska Medical Center, 2005; Ed.D., College of St. Mary, 2010

Robert O. Creek, *Professor Emeritus of Biomedical Sciences* (1964; 2002).

B.S., University of Illinois at Urbana-Champaign, 1950; M.S., University of Southern Illinois, 1955; Ph.D., Indiana University-Bloomington, 1960

Randall L. Crist, *Associate Professor of Mathematics* (1993; 2006); *Chair, Department of Mathematics*.

B.S., University of Nebraska at Lincoln, 1982; M.A., University of Pennsylvania, 1987; Ph.D., Texas A&M University, 1993

Diane Cullen, *Clinical Professor of Biomedical Sciences* (2012; 2017); *Clinical Professor of Medicine* (1989; 2017).

B.S., State University of New York, 1976; M.S., Western Illinois University, 1977; Ph.D., University of Wisconsin-Madison, 1989

Alistair Cullum, *Associate Professor of Biology* (2000; 2008).

B.A., University of California at Santa Barbara, 1986; Ph.D., University of California at Irvine, 1997

Craig W. Dallan, *Professor of Law* (2000; 2006).

B.A., Brigham Young University, 1986; J.D., 1991

Mary Ann Danielson, *Professor of Communication Studies* (1989; 2008).

BS.B.A., University of Nebraska at Omaha, 1985; M.A., 1989; Ph.D., University of Nebraska at Lincoln, 1997

Todd C. Darnold, *Associate Professor of Management* (2008; 2014); *Harper Endowed Chair; Associate Dean* (2017; 2019-2021).

B.S., Iowa State University, 2000; Ph.D., University of Iowa, 2008

Alekha K. Dash, *Professor of Pharmacy Sciences* (1990; 2003).

B.S.Pha., Jadavpur University (India), 1981; M.S. Pharm, 1983; Ph.D., University of Minnesota, 1990

Rebecca A. Davis, *Assistant Professor of Nursing* (2014).

B.S.N., Creighton University, 2000; M.S.N., University of Nebraska Medical Center, 2004; D.N.P., Creighton University, 2013

Michael G. DelCore, *Professor of Medicine* (1988; 2012).

B.S., Creighton University, 1979; M.D., Creighton University School of Medicine, 1983

Christopher J. Destache, *Professor of Pharmacy Practice* (1984; 2006); *Professor of Medicine* (1990; 2006); *Professor of Medical Microbiology and Immunology* (1997; 2006).

Pharm.D., Creighton University, 1984

Charles Timothy Dickel, *Professor Emeritus of Education* (1976; 2019).

B.A., Whitman College, 1968; M.S., Indiana University at Bloomington, 1971; Ed.D., 1973; Graduate Certificate of Gerontology, University of Nebraska at Omaha, 1984

Nicholas Dietz, *Associate Professor of Pathology* (2011; 2017).

B.A., St. Louis University, 2002; M.D., University of Nebraska Medical Center, 2006

David Dobberpuhl, *Associate Professor of Chemistry* (1994; 2000); *Chair, Department of Chemistry*.

B.S., Moorhead State University, 1989; Ph.D., Iowa State University, 1994

Margaret I. Doig, *Associate Professor of Mathematics* (2016; 2024).

B.S., University of Notre Dame, 2005; Ph.D., Princeton University, 2010

Anna Domina, *Associate Professor of Occupational Therapy* (2010; 2022).

B.A., Augustana College, 2001; O.T.D., Creighton University, 2004

Arthur V. Douglas, *Professor Emeritus of Atmospheric Sciences* (1982; 2007).

B.S., University of California at Riverside, 1971; M.S., University of Arizona, 1973; Ph.D., 1976

Frank J. Dowd Jr., *Professor Emeritus of Pharmacology* (1976; 2011); *Professor Emeritus of Oral Biology* (1985; 2011).

B.A., Maryknoll Seminary, 1961; D.D.S., Creighton University, 1969; Ph.D., Baylor University, 1975

Beverly A. Doyle, *Associate Professor of Education* (1977; 1983).

B.S., Iowa State University, 1967; M.D., University of Nebraska at Omaha, 1971; Ph.D., University of Nebraska at Lincoln, 1977

Kristen M. Drescher, *Professor of Medical Microbiology & Immunology* (1999; 2011).

B.S., University of New Hampshire, 1983; M.S., University of Lowell, 1990; Ph.D., Johns Hopkins University, 1995

William M. Duckworth, *Associate Professor of Decision Sciences* (2006; 2009).

B.S., Miami University, 1991; M.S., 1993; M.S., University of North Carolina at Chapel Hill, 1996; Ph.D., 1998

Gintaras K. Duda, *Professor of Physics* (2003; 2016).

B.S., Villanova University, 1997; M.S., University of California at Los Angeles, 1998; Ph.D., 2003

Lee M. Dunham, *Professor of Economics and Finance* (2008; 2019); *Chair, Department of Economics and Finance* (2019).

B.S., University of Missouri, 1999; M.B.A., 2002; M.S., University of New Orleans, 2005; Ph.D., University of Nebraska, 2008

Robert W. Dunlay, *Professor of Medicine* (1994; 2009); *Dean, School of Medicine* (2013).

B.S., Creighton University, 1977; M.D., Creighton University School of Medicine, 1981

Noam Ebner, *Professor of Negotiation and Conflict Resolution* (2009; 2015).

LLB, Faculty of Law, Hebrew University, 1999; LLM, 2000

Andrew E. Ekpenyong, *Associate Professor of Physics* (2018; 2022).

B.A., University of Uyo (Nigeria), 1998; B.Phil., Pontifical Urban University (Rome), 1998; B.D., 2003; M.S., Creighton University, 2007; Ph.D., University of Cambridge, 2012

Max T. Engel, *Associate Professor of Theology* (2015; 2021); *Associate Professor of Education* (2017; 2021).

B.A., Boston College, 1998; M.Ed., University of Notre Dame, 2000; M.A., The Catholic University of America, 2008; Ph.D., 2013

Cassie A. H. Eno, *Associate Professor of Medical Education* (2015; 2024); *Associate Professor of Medical Humanities* (2015; 2024).

B.A., Simpson College, 2006; ; M.A., University of Alabama, 2008;; Ph.D., 2010

Laura Lei Finken, *Associate Professor of Psychology* (1996; 2003).

B.A., Creighton University, 1990; M.A., University of Nebraska, Lincoln, 1982; Ph.D., 1996

Kevin T. FitzGerald S.J., *Associate Professor and Chair, Medical Humanities* (2022); *Chair, Department of Medical Humanities* (2022).

B.A., Cornell University, 1977; M.Div., Jesuit School of Theology, 1988; Ph.D. (Molecular Biology), Georgetown University, 1996; Ph.D. (Bioethics), 2000

Kathleen Flecky, *Associate Professor of Occupational Therapy* (2006; 2012).

B.S.M.T., Creighton University, 1979; B.S.O.T., 1997; O.T.D., 1999

Julia A. Fleming, *Professor of Theology* (1995; 2009); *Chair, Department of Theology*.

B.A., University of Missouri, 1981; M.A., 1982; M.A., Catholic University of America, 1985; Ph.D., 1993

Nelson Fong, *Associate Professor of Mathematics* (; 1984).

B.S., Harding University, 1967; M.S., Memphis State University, 1968; Ph.D., University of Nebraska at Lincoln, 1974

Debra J. Ford, *Interim Associate Dean, College of Professional and Continuing Education; Chair, Interdisciplinary Studies; Associate Professor of Interdisciplinary Studies* (2017; 2021).

B.A., University of Nebraska-Omaha, 1985; M.A., 1990; Ph.D., University of Kansas, 1999

M. Lance Frazier, *Associate Professor of Management* (2015; 2018); *MBA Program Director, Heider College of Business* (2022).

B.S., Oklahoma State University, 1993; M.B.A., Oklahoma City University, 2003; Ph.D., Oklahoma State University, 2009

Mark Freitag, *Associate Professor of Chemistry* (2008).

B.A., University of Minnesota at Morris, 1996; Ph.D., Iowa State University, 2002

Kevin T. Fuji, *Associate Professor of Pharmacy Practice* (2009; 2018).

Pharm.D., Creighton University, 2007

Elizabeth Furlong, *Professor Emeritus of Nursing* (; 2015); *Professor Emeritus of Nursing*.

B.S.N., Marycrest College, 1971; M.S., University of Colorado, 1971; M.A., University of Nebraska at Lincoln, 1987; Ph.D., University of Nebraska at Lincoln, 1993; J.D., Creighton University, 2000

Ronald D. Fussell, *Associate Professor of Education* (2017; 2022).

B.S., Plymouth State College, 1998; M.S., Southern Oregon University, 2003; M.Ed., Rivier College, 2005; Ed.D., Creighton University, 2016

Jack Gabel, *Associate Professor of Physics* (2007; 2014).

B.S., Creighton University, 1994; M.S., Catholic University of America, 1998; Ph.D., 2000

- Peter Jack Gallo**, *Associate Professor of Sustainability* (2020); *Associate Professor of Marketing and Management* (2010; 2020).
B.S., Stanford University, 1995; M.B.A., University of North Carolina-Chapel Hill, 2005; Ph.D., 2010
- Janeé Gelineau-vanWaes**, *Associate Professor of Pharmacology* (2009).
B.S., Washington State University, 1979; D.V.M., 1983; M.D., 1996
- Leah C. Georges**, *Assistant Professor of Interdisciplinary Studies* (2013; 2021); *Director, EdD Program in Interdisciplinary Leadership* (2021).
B.A., Creighton University, 2006; M.S.L., University of Nebraska College of Law, 2009; M.A., University of Nebraska, Lincoln, 2011; Ph.D., 2014
- Natalie Gerhart**, *Associate Professor of Business Intelligence and Analytics* (2016; 2022).
B.S., Truman State University, 2007; M.B.A., University of Missouri, 2012; Ph.D., University of North Texas, 2016
- Donald K. Giger**, *Professor Emeritus of Medical Microbiology & Immunology* (1979; 2009).
B.S. (Biological Science), California State Polytechnic University, 1961; B.S. (Microbiology and Immunology), California State University, 1970; M.S., 1973; Ph.D., Tulane University, 1977
- James J. Giordano**, *Professor of Medical Humanities and Ethics* (2020).
B.Sci., St. Peter's College, 1981; ; M.A., Norwich University, 1982; ; M.Phil., City University of New York, 1985; ; M.S., 1986; ; Ph.D., 1986; ; M.S., Lamar University, 2002
- John M. Gleason**, *Professor Emeritus of Decision Sciences* (1985; 2005).
B.S., University of Missouri-Kansas City, 1967; M.B.A., 1969; D.B.A., Indiana University, 1973
- Richard V. Goering**, *Professor of Medical Microbiology & Immunology* (1975; 1993).
A.B., Wichita State University, 1966; M.S., 1968; Ph.D., Iowa State University, 1972
- Gary L. Gorby**, *Professor of Medicine* (1989; 2019); *Professor of Medical Microbiology and Immunology* (1989; 2019).
B.S., Youngstown State University, 1983; M.D., Northeastern Ohio Universities College of Medicine, 1983
- Ernest P. Goss**, *Professor of Economics* (1991; 1991); *Chairholder Jack A. MacAllister Endowed Chair in Regional Economics* (1991).
B.A., University of South Florida, 1972; M.B.A., Georgia State University, 1975; Ph.D., University of Tennessee, 1983
- Venkatesh Govindarajan**, *Professor of Surgery* (2004; 2018); *Professor of Biomedical Sciences* (2013; 2018); *Professor of Medical Microbiology and Immunology* (2009; 2018).
M.Sc., M.M.S., Birla Institute of Technology & Science (India), 1992; Ph.D., University of Houston, 1997
- Kevin M. Graham**, *Professor of Philosophy* (1996; 2024).
B.A., St. John's College (Maryland), 1990; M.A., University of Toronto, 1991; Ph.D., 1996
- Leonard J. Greenspoon**, *Professor of Classical and Near Eastern Studies* (1995); *Professor of Theology* (1995); *Holder of Philip M. and Ethel Klutznick Chair in Jewish Civilization*.
B.A., University of Richmond, 1967; M.A., 1970; Ph.D., Harvard University, 1977
- Bobbi Greiner**, *Associate Professor of Occupational Therapy* (2014; 2023).
B.S., Creighton University, 2005; O.T.D., 2005
- Stephen M. Gross**, *Professor of Chemistry* (2006; 2017); *Professor of Oral Biology* (2006; 2010).
B.S., State University of New York at Binghamton, 1996; Ph.D., University of North Carolina at Chapel Hill, 2001
- James Grunkemeyer**, *Research Assistant Professor of Biomedical Sciences* (2021; 2024); *Research Assistant Professor*.
B.A., Creighton University, 1990; ; Ph.D., 1998
- Andrew B. Gustafson**, *Professor of Marketing and Management* (2005; 2018).
B.A., University of Nebraska-Lincoln, 1992; M.A., Trinity College, 1994; M.A., Fordham University, 1997; Ph.D., Marquette University, 2001
- Gerardo Moises Gutierrez Rivas OFM**, (2022).
B.Ed., St. Xavier University (Chicago), 1999; M.S., Leslie University, 2009; Ph.D., Gonzaga University, 2019
- Martha W. Habash**, *Professor of Classical and Near Eastern Studies* (1995; 2020).
B.A., College of William and Mary, 1984; M.H., University of Richmond, 1987; M.A., University of Virginia, 1994; Ph.D., 1994
- Amy M. Haddad**, *Professor Emeritus of Health Policy and Ethics* (1988; 2018); *Professor Emeritus of Pharmacy Sciences* (1988; 2018); *Professor Emeritus of Community and Preventive Dentistry* (1988; 2018).
B.S.N., Creighton University, 1975; M.S.N., University of Nebraska, 1979; Ph.D., 1988
- Harold Ashley Hall**, *Associate Professor of Theology* (2011; 2016); *Associate Clinical Professor of Medical Education* (2020).
B.A., University of St. Thomas, 1997; Ph.D., Fordham University, 2009
- Jacqueline Hanks**, *Associate Professor of Nursing* (2015; 2024).
B.S.N., Creighton University, 1999; M.S.N., University of Missouri, 2004; D.N.P., Creighton University, 2016
- Laura A. Hansen**, *Professor of Biomedical Sciences* (2000; 2011).
B.S., Iowa State University, 1986; M.E.M., Duke University, 1988; Ph.D., North Carolina State University, 1993
- Nancy D. Hanson**, *Professor of Medical Microbiology & Immunology* (1995; 2009); *Professor of Pediatrics* (1995; 2009).
B.S., University of Texas of the Permian Basin, 1979; M.A., University of Nebraska-Omaha, 1984; Ph.D., University of Nebraska Medical Center, 1991
- Holly Ann Harris**, *Professor of Chemistry* (1990; 2019); *Associate Dean, College of Arts and Sciences*.
B.S., Harvey Mudd College, 1982; Ph.D., University of Wisconsin-Madison, 1988
- David Zhi-Zhou He**, *Professor of Biomedical Sciences* (2000; 2007).
M.D., Nanjing Railway Medical College (PR China), 1983
- Jean Hearn**, *Associate Professor of Education* (2014; 2021).
B.S., University of Georgia, 1985; M.S., University of Nebraska-Omaha, 2013; Ed.D., Creighton University, 2016
- Laura L. Heinemann**, *Associate Professor of Cultural and Social Studies* (2011; 2016).

B.A., Creighton University, 1998; B.A., University of Michigan, 2004; M.A., 2006; Ph.D., 2011

B.A., Wellesley College, 1999; M.A., University of California, 2003; Ph.D., 2009

Anthony R. Hendrickson, *Professor of Business Intelligence and Analytics* (2005); *Dean, Heider College of Business*.

B.S., Northwest Missouri State University, 1976; M.B.A., 1980; Ph.D., University of Arkansas, 1994

Jocuelin Jones, *Assistant Professor of Nursing* (2021).

B.S.N., University of Pittsburg, 1989; ; M.S.N., Gwynedd Mercy College, 1996; ; D.N.P, Florida Atlantic University, 2018;

Richard H. Hobbs, *Clinical Assistant Professor of Education* (2022); *Internship Coordinator* (2022).

B.A., Truman State University, 1998; Secondary Teaching Certification, Creighton University, 2000; M.S., 2013

Randy D. Jorgensen, *Professor of Finance* (1999; 2016).

B.S., University of North Dakota, 1981; M.A., 1998; Ph.D., University of Missouri, 1994; C.F.A., 2004

Edward J. Horwitz, *Associate Professor in Economics and Finance* (2009; 2015); *Endowed Executive Director in Risk Management* (2017).

B.S.B.A., University of Iowa, 1985; M.B.A., Creighton University, 2008 ; Ph.D., Kansas State University, 2015

Tejbeer Kaur, *Assistant Professor of Biomedical Sciences* (2019).

Ph.D., Southern Illinois University, 2012

Hilary Hughes, *Assistant Professor of Accounting* (2023).

B.S., Appalachian State University, 2013; M.S.A., University of North Carolina at Greensboro, 2014; Ph.D., Louisiana State University, 2023

Bridget M. Keegan, *Professor of English* (1996; 2005); *Dean, College of Arts and Sciences* (2015).

A.B., Harvard University, 1987; M.A., State University of New York-Buffalo, 1990; Ph.D., 1994

Martin R. Hulce, *Professor of Biomedical Sciences* (1997); *Professor of Chemistry* (1991; 2002).

B.S., Butler University, 1978; M.A., The Johns Hopkins University, 1980; Ph.D., 1983

Taylor Keen, *Instructor of Management* (2008).

B.A., Dartmouth College, 1991; M.B.A., Harvard University, 1997

Matthew T. Huss, *Professor of Psychology* (2000; 2008).

B.A., Creighton University, 1992; M.S., Emporia State University, 1994; M.L.S., University of Nebraska, Lincoln, 2000; Ph.D., 2000

Thomas M. Kelly, *Professor of Theology* (2002; 2014).

B.A., University of Notre Dame, 1991; M.A., Boston College, 1999; Ph.D., 1999

Jee-Yeon Hwang, *Assistant Professor of Pharmacology* (2018).

B.S., Sungshin Woman's University (China), 1997; M.S., Yonsei University (South Korea); Ph.D., 2005

Manzoor M. Khan, *Professor of Pharmacy Sciences* (1990; 1999); *Professor of Pharmacology* (1991; 1998).

B.S., University of Karachi (Pakistan), 1970; M.Sc., 1972; M.S., University of Bridgeport, 1975; Ph.D., University of Arizona College of Medicine, 1980

Lindsay M. Iverson, *Associate Professor of Nursing* (2012; 2019).

B.S.N., Creighton University, 2005; M.S., 2009; D.N.P., 2011

Jiwon Kim, *Assistant Professor of Education* (2021).

B.A., Korea University, 2014; M.Ed., 2016; Ph.D., University of Iowa, 2021

Gopal Pundlik Jadhav, *Assistant Professor of Pharmacology and Neuroscience* (2017; 2019).

M.Pharm., Pune University (India), 1998; Ph.D., University of Nottingham (United Kingdom), 2007

Anthony E. Kincaid, *Professor of Pharmacy Sciences; Professor of Physical Therapy* (2014); *Professor of Biomedical Sciences and Medical Microbiology and Immunology* (1995; 2012).

B.S.P.T., California State University-Long Beach, 1979; M.S.Anat., University of Michigan, 1987; Ph.D., 1991

Gail M. Jensen, *Professor of Physical Therapy* (1995; 2000); *Professor of Medical Humanities* (2019); *Associate Vice Provost for Learning and Assessment* (2014).

B.S., University of Minnesota, 1973; M.A., Stanford University, 1978; Ph.D., 1987

Gwendalyn D. King, *Associate Professor of Biology* (2019; 2023).

B.S., Purdue University, 1999; M.S., University of Michigan, 2002; Ph.D., University of Michigan, 2004

Jennifer L. Jessen, *Associate Professor of Nursing* (2018; 2024); *Director of CIPER* (2021).

B.S.N., Creighton University, 2004; M.S.N., College of Saint Mary, 2011; Ed.D., College of Saint Mary, 2017

Amanda J. Kirkpatrick, *Professor of Nursing* (2013; 2024).

B.S.N., Creighton University, 2005; M.S.N., Clarkson College, 2012; Ph.D., Villanova University, 2018

Theresa Jizba, *Assistant Professor of Nursing* (2021).

B.S.N., University of Nebraska Medical Center, 2002; ; M.S.N., 2008; ; D.N.P, 2020

Edeth Kitchens, *Dean and Professor Emeritus of Nursing* (; 2015).

Bradley T. Klontz, *Associate Professor of Economics and Finance* (2016).

B.S. Olivet Nazarene University, 1993; M.S. South Dakota State University, 1995; PsyD., Wright State University, 1991

Bryan Johnson, *Associate Professor of Marketing* (2010; 2016).

B.S., Brigham Young University, 2003; M.S., 2004; Ph.D., Pennsylvania State University, 2010

Joseph A. Knezetic, *Professor of Pathology* (1991; 2016); *Professor of Biomedical Sciences* (2003; 2016); *Director of Research and Compliance* (2014).

B.S., Bowling Green State University, 1981; Ph.D., University of Cincinnati, 1986

LaShaune Johnson, *Associate Professor of Interdisciplinary Studies* (2013; 2019).

Maggie Knight, *Associate Professor of Accounting* (2016; 2022); *Director, Master of Accounting Program* (2019).

B.S., Creighton University, 2001; D.B.A., 2018

Floyd C. Knoop, *Professor Emeritus of Medical Microbiology & Immunology* (1975; 2018).

B.A., Defiance College, 1966; M.S., University of Dayton, 1969; Ph.D., University of Tennessee Center for the Health Sciences, 1974

James J. Knudsen, *Assistant Professor of Economics* (1989; 2004).

B.S., Iowa State University, 1981; B.A., 1984; Ph.D., 1989

Omofolasade Kosoko-Lasaki, *Professor of Surgery* (2000; 2007); *Professor of Oral Health Promotion, Division of Community and Preventive Dentistry* (2000; 2007); *Professor of Preventive Medicine and Public Health* (2000; 2007); *Associate Vice President for Multicultural and Community Affairs* (2000).

M.D., University of Ibadan (Nigeria), 1978; M.S.P.H., Howard University, 1984; M.B.A., Creighton University, 2005

Beverly J. Kracher, *Professor of Emerita of Marketing and Management* (1990; 2024).

B.A., University of Nebraska-Lincoln, 1974; M.A., 1984; Ph.D., 1991

Kenneth Kramer, *Associate Professor of Biomedical Sciences* (2011; 2018).

B.S., University of Dayton, 1991; Ph.D., University of Cincinnati, 1997

Jack L. Krogstad, *Professor Emeritus of Accounting* (1980; 2019).

B.S., Union College, 1967; M.B.A., University of Nebraska, Lincoln, 1971; Ph.D., 1975; C.P.A., Texas, 1976

Leslie A. Kuhnel, *Assistant Clinical Professor of Medical Humanities* (2019).

B.A., University of Nebraska-Lincoln, 1992; ; M.P.A, University of Nebraska-Omaha, 2005; ; M.S., Creighton University, 2013; ; D.Be., Loyola University, Neiswanger Institute, 2018

Mary Kunes-Connell, *Professor of Nursing* (1980; 2009); *Associate Dean of Academics, Assessment, and Accreditation, College of Nursing* (2003).

B.S.N., Creighton University, 1977; M.S.N., University of Nebraska-Lincoln, 1979; Ph.D., 1991

Max J. Kurz, *Associate Clinical Professor of Pharmacology and Neuroscience* (2021).

B.S., Doane University, 1994; M.S., University of Nebraska-Omaha, 1997; Ph.D., University of Nebraska-Lincoln, 2006

Ran Kuttner, *Associate Professor* (2008; 2011).

B.A., Tel-Aviv University, Israel; M.A., Tel-Aviv University, Israel; Ph.D., Bar-Ilan University, Israel

Mary Dana Laird, *Associate Professor of Marketing and Management* (2018).

B.A., Southwestern University, 2000; M.S., Texas A&M University, 2004; Ph.D., Florida State University, 2008

Stephen J. Lanspa, *Professor Emeritus of Medicine* (1984; 2019).

M.D., Creighton University School of Medicine, 1978

Joan M. Lappe, *Professor Emerita of Nursing* (1984; 2024).

B.S.N., University of Nebraska Medical Center, 1981; M.S., Creighton University, 1985; Ph.D., University of Nebraska Medical Center, 1992

Mark A. Latta, *Dean Emeritus; Professor of General Dentistry* (1995; 2003).

A.B., Lafayette College, 1978; D.M.D., University of Pennsylvania School of Dental Medicine, 1983; M.S., University of Maryland, 1995

Ann Laughlin, *Professor of Nursing* (1994; 2016).

B.S.N., Creighton University, 1976; M.S., 1994; Ph.D., University of Nebraska, Lincoln, 2005

Michael G. Lawler, *Professor Emeritus of Theology* (1969; 2005); *Dean Emeritus, Graduate School*.

B.S., National University (Ireland), 1955; Diploma in Education, 1957; B.D., Pontifical Gregorian University (Rome), 1961; S.T.L., 1963; Diploma, International Catechetical Centre (Belgium), 1968; Ph.D., Aquinas Institute of Theology, 1975

Linda L. Lazure, *Associate Professor Emeritus of Nursing* (; 2015).

B.S.N., University of Nebraska at Omaha, 1975; M.S.N., 1979; Ph.D., University of Nebraska Medical Center, 1993

Gary K. Leak, *Professor of Psychology* (1979; 2022).

B.S., University of Washington, 1971; Ph.D., University of Nebraska-Lincoln, 1975

Michael C. Legaspi, *Assistant Professor of Theology* (2006).

B.A., Johns Hopkins University, 1995; Ph.D., Harvard University, 2006

Thomas L. Lenz, *Professor of Family and Community Medicine* (2001; 2014); *Director, Integrative Health and Wellness Program* (2015).

B.S., Creighton University, 1992; M.S., University of Nebraska, Omaha, 1995; Pharm.D., Creighton University, 1999

Helene Lohman, *Professor of Occupational Therapy* (1989; 2010).

B.S.O.T., Colorado State University, 1976; M.A., University of Nebraska, Omaha, 1991; O.T.D., Creighton University, 2001

Carol S. Lomneth, *Professor Emeritus of Medical Education* (2017; 2022); *Chair, Department of Medical Education* (2017).

B.S., University of Wisconsin, 1980; ; Ph.D., University of Cincinnati, 1989

Sandor Lovas, *Professor of Biomedical Sciences* (1994; 2007).

M.S., Jozef Attila University (Hungary), 1982; Ph.D., 1985

Shelly Luger, *Associate Professor of Nursing* (2018; 2024).

B.A., Concordia University, 1991; B.S.N., University of Nebraska Medical Center, 2003; D.N.P., The University of Kansas Medical Center, 2016

Donald Lux, *Assistant Professor of Accounting* (2016; 2018).

B.S.B.A., Creighton University, 1996; M.S.I.T.M., 2000; M.B.A., 2001; D.B.A., 2018

Sarah J. Lux, *Assistant Professor of Medical Humanities* (2021); *Director of Curricular Strategy and Implementation* (2022).

B.G.S., University of Nebraska-Omaha, 2000; M.S., 2002; Ph.D., Iowa State University, 2016

Davender Malik, *Professor of Mathematics* (1985; 2000); *Holder, Anne Scheer Chair in Mathematics*.

B.A., Delhi University, 1978; M.A., 1980; M.S., Ohio University, 1985; Ph.D., 1985

Alison L. Maloy, *Instructor of Accounting* (2018).

B.S.B.A., University of Kansas, 2001; M.S., 2002

Alexei Marcoux, *Professor of Business Ethics* (2015).

B.A., University of San Francisco, 1988; M.A., Tulane University, 1995; Ph.D., Bowling Green State University, 2001

James R. Martin Jr., *Associate Professor of Interdisciplinary Studies* (2013; 2020); *Assistant Director, Interdisciplinary Ed.D. in Leadership Program* (2014).

B.A., Bellevue University, 1991; M.A., Creighton University, 2007; M.S., Florida State University, 2010; Ph.D., 2013

B.S., Creighton University, 1996; M.A., University of Nebraska - Omaha, 2002; Ph.D., 2005

Bruce M. Mattson, *Professor Emeritus of Chemistry* (1977; 2022).
B.A., Southwest Minnesota State University, 1973; Ph.D., University of Minnesota, Minneapolis, 1977

N. Vasudeva Murthy, *Professor Emeritus of Economics* (1979; 2022).
B.A., University of Mysore (India), 1961; M.A., 1963; Ph.D., State University of New York, 1975

Ann T. Mausbach, *Associate Professor of Education* (2014; 2019); *Director, Educational Leadership Program*.
B.A., Kearney State, 1985; M.A., University of Missouri-Kansas City, 1989; M.A., University of Kansas, 1995; Ph.D., 2001

Laeth Nasir, *Professor of Family Medicine* (2011; 2011); *Chair, Family Medicine* (2011).
B.S., Western Michigan University, 1981; M.B.B.S., University of Jordan (Jordan), 1987

Kathleen M. McKillip, *Assistant Professor of Medicine* (2018); *Assistant Professor of Medical Humanities* (2019).
B.A., Creighton University, 2009; ; M.D., University of Nebraska College of Medicine, 2013

Eric J. Neuman, *Associate Professor of Management* (2015); *Associate Dean, Heider College of Business Operations and Graduate Programs; Director* (2022).
B.S., University of Notre Dame, 1996; M.S., University of Wisconsin, 1997; Ph.D., University of Michigan, 2008

Timothy P. McMahon, *Associate Professor of Marketing* (2011).
B.A., University of Nebraska, Omaha, 1977; M.A., Seton Hall University, 2005; Ph.D., Gonzaga University, 2009

Michael Nichols, *Professor of Physics* (1999; 2014); *Associate Professor of Biomedical Sciences* (2000; 2006); *Director, Graduate Physics Program*.
B.S., Harvey Mudd College, 1990; M.A., University of Rochester, 1992; Ph.D., 1996

Stacey M. Menzel Baker, *Professor of Marketing* (2015).
B.S., University of Nebraska, 1990; M.B.A., 1992; Ph.D., 1996

Lance Nielsen, *Professor of Mathematics* (2000; 2010); *John N. Mordeson Chair in Mathematics* (2017).
B.S., University of South Dakota, Vermillion, 1981; M.S., University of New Hampshire, 1984; Ph.D., University of Nebraska, Lincoln, 1999

Gary Michels, *Associate Professor Emeritus of Chemistry* (1986; 1993).
B.S., Creighton University, 1971; Ph.D., Iowa State University, 1978

Brian J. North, *Associate Professor of Biomedical Sciences* (2019; 2024).
B.A., Gustavus Adolphus College, 1999; Ph.D., University of California-San Francisco, 2005

Richard W. Miller, *Professor of Theology* (2005; 2018); *Professor of Theology*.
B.A., University of Notre Dame, 1992; M.A., Boston College, 1996; Ph.D., 2005

E. Jeffrey North, *Associate Professor of Pharmacy Sciences* (2014; 2020).
B.S., University of Memphis, 2005; M.S., 2007; Ph.D., 2010

Sumeet K. Mittal, *Professor of Surgery* (2003; 2008); *Professor of Clinical and Translational Science* (2016).
M.B.,B.S., All India Institute of Medical Sciences (India), 1996

Michael S. Monaghan, *Professor of Pharmacy Practice* (1996; 2008); *Professor of Internal Medicine* (1997; 2008).
B.S., Creighton University, 1985; Pharm.D., 1989

Richard L. O'Brien, *Professor Emeritus of Medicine* (1982).
M.S., Creighton University, 1958; M.D., Creighton University School of Medicine, 1960

John Mordeson, *Professor Emeritus of Mathematics* (1963; 1971).
B.S., Iowa State University, 1959; M.S., 1961; Ph.D., 1963

Barbara J. O'Kane, *Professor of Oral Biology* (2010; 2019).
B.S., University of Nebraska, 1978; M.S., University of Nebraska Medical Center, 1990; Ph.D., 2000

Jennifer A. Moss Breen Kuzelka, *Associate Professor of Interdisciplinary Studies* (2014; 2017).
B.S., University of Nebraska, 1986; M.S., 2002; Ph.D., 2006; M.A., 2007

Anne M. O'Keefe, *Professor of Clinical Research and Public Health* (2022).
B.S., University of Nebraska-Lincoln, 1986; M.D., Emory University School of Public Health, 1993; M.P.H., 1993

Keli Mu, *Professor of Occupational Therapy* (1998; 2015); *Chair, Department of Occupational Therapy*.
B.S., East China Normal University, 1987; M.A., University of Nebraska-Omaha, 1993; Ph.D., University of Nebraska-Lincoln, 1998; B.S.O.T., Creighton University, 2001

Catherine O'Keefe, *Associate Professor Emeritus of Nursing* (; 2017).
B.S.N., Creighton University, 1975; M.S., 1985; D.N.P., Case Western Reserve University, 2007

Joan L. Mueller, *Professor Emeritus of Theology* (1995; 2017).
B.M., Silver Lake University, 1983; M.M., University of Wisconsin, Milwaukee, 1986; M.Chr.Sp., Creighton University, 1989; Ph.D., Duquesne University, 1992

John J. O'Keefe, *Professor of Theology* (1992; 2007); *Professor of Sustainability; Holder of the A.F. Jacobson Chair in Communication*.
B.A., Stetson University, 1983; M.T., Weston School of Theology, 1988; M.A., Catholic University of America, 1990; Ph.D., 1993

Richard F. Murphy, *Professor Emeritus of Biomedical Sciences* (1989; 2009).
B.S., University of Notre Dame, 1969; M.D., Creighton University School of Medicine, 1973

Tirimba Obonyo, *Associate Professor of Economics and Finance* (2017; 2024).
B.A., Lafayette College, 2009; Ph.D., Drexel University, 2017

Rebecca K. Murray, *Professor of Cultural and Social Studies* (2005; 2020); *Associate Dean, College of Arts and Sciences* (2015).

Keith Olson, *Assistant Professor of Economics and Finance* (2016; 2019).
B.S.B.A., University of Nebraska at Kearney, 1981; M.B.A., University of Nebraska at Omaha, 1986; D.B.A., Creighton University, 2019

Gretchen Oltman, *Associate Professor of Interdisciplinary Studies* (2013; 2020); *Director, Organizational Leadership Program*.

B.A., University of Nebraska-Lincoln, 1994; M.A., University of Louisville, 1995; J.D., University of Nebraska-Lincoln, 1998; Ph.D., 2009

Catherine A. Opere, *Professor of Pharmacy Sciences* (2001; 2015).
B.Pharm., University of Nairobi, Kenya, 1983; M.B.A., Creighton University, 1992; Ph.D., 1997

Dustin Ormond, *Associate Professor of Business Intelligence and Analytics* (2014; 2020).
B.S., Brigham Young University, 2009; M.S., 2009; Ph.D., Mississippi State University, 2014

Kayode D. Oshin, *Associate Professor of Chemistry* (2016; 2020).
B.S., Emporia State University, 2006; Ph.D., Kansas State University, 2011

Neel Pathak, *Assistant Professor of Marketing and Management* (2017).
D.Sc., University of Alabama, Birmingham, 2023

Angela Patterson, *Associate Professor of Occupational Therapy* (2012; 2022).
B.S.O.T., Creighton University, 1999; O.T.D., 2015

Kirk M. Peck, *Associate Professor of Physical Therapy* (2002; 2016).
B.S., Kansas State University, 1988; M.S., University of Kansas Medical Center, 1990; Ph.D., University of Nebraska, 2004

Morris W. Pelzel, *Resident Assistant Professor of Theology*.
B.S., Texas A&M University, 1981; M.T.S., Saint Meinrad School of Theology, 1984; Ph.D., The Catholic University of America, 1994

Nathan K. Pennington, *Associate Professor of Mathematics* (; 2019).
B.S., Oklahoma State University, 2004; Ph.D., University of North Carolina, 2010

Nicole M. Piemonte, *Associate Clinical Professor of Medical Humanities* (2017; 2024).
B.A., Arizona State University, 2008; M.A., 2010; Ph.D., The University of Texas Medical Branch, 2015

Winifred J. Pinch, *Professor Emeritus of Nursing* (1989; 2005).
B.S.N., Temple University, 1963; M.Ed., State University of New York, 1973; Ed.D., Boston University, 1983; M.S., Creighton University, 1985

Thomas E. Pisarri, *Assistant Professor of Biomedical Sciences* (1993).
B.S., State University of New York at Buffalo, 1973; M.S., University of Wisconsin-Madison, 1975; Ph.D., 1983

Meghan R. Potthoff, *Professor of Nursing* (2007; 2024).
B.S.N., Creighton University, 2001; M.S.N., University of Pennsylvania, 2006; Ph.D., South Dakota State University, 2015

Jan J. Powers, *Assistant Professor of Education* (2020); *Director, School Counseling Program* (2021).
B.M.E., University of Northern Iowa, 1979; M.A., University of Iowa, 2006; Ph.D., 2020

Nalini Prabakaran, *Associate Professor of Operations Management* (2005; 2011).
B.Com, Meenakshi College (India), 1998; M.B.A., New Mexico State University, 2001; Ph.D., 2005

Laurel Preheim, *Professor Emeritus of Medicine* (1978; 1992); *Professor Emeritus of Medical Microbiology and Immunology* (1978; 2018).

B.A., Bethel College (Kansas), 1969; M.D., Northwestern University, 1973

Thomas J. Purcell, *Professor of Emeritus of Accounting and Business Intelligence and Analytics* (1979; 2024).
B.S.B.A., Creighton University, 1972; J.D., 1977; M.A., University of Missouri at Columbia, 1978; C.P.A., Nebraska, 1978; Ph.D., University of Nebraska, Lincoln, 1988

Yongyue Qi, *Associate Professor of Occupational Therapy* (2010; 2024).
B.S., Shanghai Medical University, 1987; M.S., 1990; M.S., University of Nebraska Lincoln, 2005; Ph.D., University of Nebraska Medical Center, 2020

Elham Rastegari, *Assistant Professor of Biomedical Informatics* (2019).
B.S., Tehran Polytechnic University, 2006; M.S., Azad University, 2009; Ph.D., University of Nebraska at Omaha, 2019

Dhitinut Ratnapradipa, *Professor of Clinical Research and Public Health* (2020); *Director, Master of Public Health Program* (2020).
B.A., JB Goddard College of Business and Economics, 1993; ; Ph.D., College of Health, University of Utah, 2001

Vasant H. Raval, *Professor Emeritus of Accounting* (1980; 2019).
B.Comm, University of Bombay (India), 1961; M.B.A., Indiana State University, 1972; D.B.A., Indiana University, Bloomington, 1976; C.I.S.A., 1984

Robert R. Recker, *Adjunct Professor of Medicine* (1970; 2018); *Professor of Periodontics* (1986).
M.D., Creighton University School of Medicine, 1963

David Reed, *Professor of Computer Science, Design and Journalism* (2000; 2018); *Chair of Computer Science*.
B.S., Vanderbilt University, 1985; M.S., Duke University, 1988; Ph.D., 1992

Mark Reedy, *Associate Professor of Biology* (2002; 2008); *Chair, Department of Biology* (2008).
B.A., B.S., B.S., University of Kansas, 1992; Ph.D., University of California, Davis, 1998

Mark D. Reisbig, *Associate Professor of Anesthesiology* (2012; 2017); *Chair, Department of Anesthesiology*.
B.S., St. John's University, 1997; M.D., Creighton University School of Medicine, 2008

Justine M. Renauld, *Assistant Professor of Biomedical Sciences* (2023).
B.S., University of Liege (Belgium), 2010; M.S., 2012; Ph.D., 2017

Evan T. Robinson, *Professor of Pharmacy Sciences* (2019).
B.S.Pharm., St. Louis College of Pharmacy, 1988; M.S., St. Louis College of Pharmacy, 1993; Ph.D., Auburn University, 1998

Mark D. Robinson, *Associate Professor of Medical Humanities* (2016; 2022).
B.Phil., Northwestern University, 2004; ; M.A., University of Chicago, 2006, 2008; ; M.A., Princeton University, 2009; ; Ph.D., 2014; M.Be., Harvard University, 2019

Sonia M. Rocha-Sanchez, *Associate Dean of Research; Professor of Oral Biology* (2006; 2018); *Professor of Biomedical Sciences* (2006; 2018).
B.S., Acre Federal University (Brazil), 1996; M.S., Federal University of Vicosa (Brazil); Ph.D., Campinas State University (Brazil), 2002; M.B.A., Creighton University, 2016

Victoria F. Roche, *Professor Emeritus of Pharmacy Sciences* (1982; 2022).

B.S., Nebraska Wesleyan University, 1973; M.S., University of Nebraska College of Pharmacy, 1976; Ph.D., University of Nebraska Medical Center, 1981

B.S., Truman State University, 1994; M.B.A., Drake University, 2001; Ph.D., University of Kentucky, 2006

Nicolae G. Roddy, *Professor of Theology* (1999; 2017).

B.A., University of Nebraska, Omaha, 1979; M.A., St. Vladimir's Orthodox Theological Seminary, 1989; Ph.D., University of Iowa, 1999

Alexander Roedlach, *Professor of Cultural and Social Studies* (2007; 2021); *Professor of Medical Humanities* (2022); *Professor of Psychiatry and Behavioral Science* (2007; 2012).

M.A., Pontificia Universita Urbana (Rome), 1990; M.A., Philosophisch-Theologische Hochschule, Modling (Austria), 1990; M.A., Catholic University, 2000; Ph.D., University of Florida, 2005

Lorraine B. Rubarth, *Professor Emeritus of Nursing* (2012; 2019); *Professor Emeritus of Nursing*.

B.S.N., Grand Valley State University, 1977; M.S.N., Wayne State University, 1981; Ph.D., University of Arizona, 2005

Lorraine M. Rusch, *Associate Professor of Nursing* (2004; 2018).

B.S.N., Creighton University, 1997; M.S.N., Pacific Lutheran University, 2004; Ph.D., Villanova University, 2010

Todd A. Salzman, *Professor of Theology* (1997; 2008).

B.A., University of San Diego, 1986; B.A., Katholieke Universiteit Leuven (Belgium), 1989; S.T.B., M.A., 1990; Ph.D., 1994

Christine C. Sanders, *Professor Emeritus of Medical Microbiology & Immunology* (1973; 2001).

B.S.M.T., University of Florida, 1970; Ph.D., 1973

Robert Sandstrom, *Professor of Physical Therapy* (1995; 2014).

B.S., University of Wisconsin, 1979; M.S., University of Nebraska Medical Center, 1986; Ph.D., 1989

Nicholas Santos S.J., *Associate Professor of Marketing and Management* (2019); *Jesuit Rector* (2019).

University of Pune, 1987, 1994; Jnana Deepa Vidyapeeth, 1994, 1999; Jesuit School of Theology, 2002; M.B.A., Marquette University, 2006; Ph.D., 2009

Aurijit Sarkar, *Associate Professor of Pharmacy Sciences* (2023).

B.S., Devi Ahilya University (India), 2000; ; M.S., Rajiv Gandhi Technological University (India), 2003; ; Ph.D., Virginia Commonwealth University, 2010

John F. Schalles, *Professor Emeritus of Biology* (1979; 2022).

B.S., Grove City College, 1971; B.D., University of London (U.K.), 1973; M.S., Miami University, 1973; Ph.D., Emory University, 1979

Jeanne A. Schuler, *Professor of Philosophy* (1981; 2021).

B.A., St. Louis University, 1973; M.A., Washington University, 1976; Ph.D., 1983

Misty Schwartz, *Adjunct Assistant Professor of Nursing* (2000; 2000).

B.S.N., Creighton University, 1992; M.S.N., Radford University, 1998; Ph.D., University of Nebraska Lincoln, 2009

Kimberley Scott, *Assistant Professor of Physical Therapy* (2022).

B.S., Ohio State University, 2004; D.P.T., University of Southern California, 2003; Ed.D., Arizona State University, in progress

Matthew T. SeEVERS, *Professor of Marketing* (2005; 2017); *Associate Dean, Heider College of Business Undergraduate Programs* (2018).

Janet E. Seger, *Professor of Physics* (1991; 2004); *Chair, Department of Physics* (2008).

B.S., Grinnell College, 1985; M.S., University of Wisconsin at Madison, 1988; Ph.D., 1991

Thomas J. Shanahan S.J., *Associate Professor of Theology* (1973; 1985); *Associate Professor of General Dentistry* (2004; 2004).

B.A., St. Louis University, 1960; M.A., 1961; Ph.L.; S.T.L., 1961; 1968; Ph.D., Fordham University, 1975

Kathleen M. Sheehan, *Associate Professor of Economics and Finance* (2015; 2021).

B.A., Capital University, 2010; M.A., West Virginia University, 2012; Ph.D., 2014

Annemarie Shibata, *Professor of Biology* (2006; 2021); *Professor of Medical Microbiology and Immunology* (2006; 2021).

B.S., Creighton University, 1992; Ph.D., Colorado State University, 1997

Thomas A. Shimerda, *Associate Professor Emeritus of Accounting* (1980; 2024).

B.S., Wayne State College, 1972; M.B.A., University of Nebraska, Lincoln, 1973; Ph.D., 1978; C.P.A. & C.M.A., State of Nebraska, State of Nebraska, 1982

Julia Ye-Jin Shin, *Assistant Professor of Occupational Therapy* (2017; 2020).

M.S., Boston University, 2013; Ed.D., University of St. Augustine, 2019

Scott A. Shipman, *Professor of Clinical Research and Public Health* (2022).

B.S., Nebraska Wesleyan University, 1991; M.D., University of Nebraska Medical Center, 1995; M.P.H., Johns Hopkins Bloomberg School of Public Health, 2001

Surabhi Shukla, *Assistant Professor of Pharmacy Sciences* (2022).

B.S., Sardar Patel University, 2004; M.S., 2006; Ph.D., University of Mississippi, 2015

David L. Sidebottom, *Professor of Physics* (2002; 2014).

B.S., Kansas State University, 1983; M.S., 1985; Ph.D., 1989

Kristina A. Simeone, *Associate Professor of Pharmacology and Neuroscience* (2009; 2016); *Director, Neuroscience Program* (2021).

B.S., Regis University, 2000; Ph.D., University of California-Irvine, 2006

Timothy A. Simeone, *Professor of Pharmacology and Neuroscience* (2009; 2024); *Director, Pharmacology Program* (2017).

B.A., Boston University, 1997; Ph.D., University of Utah, 2002

Ronald A. Simkins, *Professor of Theology* (1990; 2006); *Professor of Classical and Near Eastern Studies* (1997; 2006); *Professor of Sustainability; Director, Kripke Center for the Study of Religion and Society* (1998).

B.A., Evangel College, 1982; M.A.T.S., Gordon-Conwell Theological Seminary, 1984; Ph.D., Harvard University, 1990

Thomas Simonds S.J., *Professor of Education* (2006; 2019).

B.A., Creighton University, 1987; M.A., Gonzaga University, 1992; M.A., Weston Jesuit School of Theology, 1998; M.A., Boston College, 1999; Ed.D., University of San Francisco, 2005

Somnath Singh, *Professor of Pharmacy Sciences* (2003; 2019); ; *Director, Pharmaceutical Sciences Program* (2014).

B.Pharm., Muzaffarpur Institute of Technology, 1990; M.Pharm., Banaras Hindu University, 1993; Ph.D., North Dakota State University, 2003

Mark V. Siracuse, *Professor of Pharmacy Sciences* (2003; 2017).

B.S.Pharm., University of Connecticut, 1984; Pharm.D., University of Michigan, 1994; M.S., University of Minnesota, 1997; Ph.D., 2002

Alfred E. Smith, *Clinical Instructor of Medical Humanities* (2020).

B.A., Aurora University, 1987; ; M.F.A., University of Nebraska-Omaha, 2015

D. David Smith, *Professor of Biomedical Sciences* (1989; 2020).

B.Sc., Imperial College, University of London, 1983; Ph.D., University of Edinburgh, 1986

James Smith, *Professor of Medical Education* (2011; 2019); *Professor of Medical Humanities* (2022).

B.A., Carroll College, 1981; M.D., St. Louis University School of Medicine, 1985

Robert Snipp, *Associate Professor Emeritus of Chemistry* (1964; 2007).

B.S., Creighton University, 1958; M.S., 1960; Ph.D., University of Iowa, 1964

Patricia Soto Becerra, *Associate Professor of Physics* (2010; 2017).

B.S., Universidad de los Andes, 1997; M.S., 2000; Ph.D., University of Groningen, 2004

Garrett A. Soukup, *Professor of Biomedical Sciences* (2000; 2013); *Associate Dean, Medical Education; Director, Biomedical Sciences Program* (2015; 2021).

B.S., Northwest Missouri State University, 1991; Ph.D., University of Nebraska Medical Center, 1997

Juliane K. Strauss Soukup, *Professor of Chemistry* (2000; 2011); *Professor of Biomedical Sciences* (2018); *Professor of Medical Microbiology/Immunology* (2018); *Vice Provost, Research and Scholarship* (2020).

B.S.Chm., Creighton University, 1993; Ph.D., University of Nebraska Medical Center, 1997

Wesley Sparkmon, *Assistant Professor of Pharmacy Sciences* (2022).

B.S., University of Mississippi School of Pharmacy, 2012; MPH, University of Louisville School of Public Health, 2018; M.S., University of Mississippi, 2020; Ph.D., 2022

Dustin Stairs, *Professor of Psychology* (2007; 2018).

B.S., South Dakota State University, 1999; M.A., University of North Carolina at Wilmington, 2003; Ph.D., University of Kentucky, 2007

Mary Helen Stefaniak, *Professor Emeritus of English* (1998; 2017).

B.A., Marquette University, 1973; M.F.A., University of Iowa, 1984

Holly A.F. Stessman, *Assistant Professor of Pharmacology* (2016; 2024); *Associate Professor of Medical Microbiology and Immunology* (2016; 2024).

B.S., Clarke University, 2008; Ph.D., University of Minnesota, 2013

Peter S. Steyger, *Clinical Professor of Biomedical Sciences* (2018).

B.S., University of Manchester (United Kingdom), 1984 ; Ph.D., Keele University (United Kingdom), 1991

John Stone, *Professor Emeritus of Bioethics* (2006; 2020); *Professor Emeritus of Clinical Research and Public Health* (2006; 2020).

B.A., Emory University, 1963; M.D., Johns Hopkins University School of Medicine, 1967; Ph.D., Brown University, 1999

Janessa Stormberg, *Instructor of Accounting* (2018).

B.S., Salisbury University, 2011; M.S.Acc., Syracuse University, 2012

Patrick C. Swanson, *Professor of Medical Microbiology & Immunology* (1999; 2012); *Professor of Medicine* (2004; 2012); *Director, Medical Microbiology and Immunology Program*.

B.A., St. Olaf College, 1990; Ph.D., University of Michigan, 1995

Litao Tao, *Assistant Professor of Biomedical Sciences* (2021).

B.S., Tsinghua University (China), 2005; M.S., 2007; Ph.D., University of Southern California, 2014

Brittany K. Taylor, *Assistant Clinical Professor of Pharmacology and Neuroscience* (2021).

B.S., Colorado State University, 2012; M.S., 2014; Ph.D., 2017

Regina M. Taylor, *Associate Professor of Marketing and Management* (2015; 2021); *Chair, Heider College of Business Marketing and Management Department* (2022).

B.S., Florida A&M University, 2002; M.B.A., 2002; M.A., University of Minnesota, 2006; Ph.D., University of Central Florida, 2015

Tal Teitz, *Associate Professor of Pharmacology* (2018; 2022).

B.Sc., Tel Aviv University, 1981; M.Sc., 1985; Ph.D., 1989

Andrea Thinnes, *Associate Professor of Occupational Therapy* (2006; 2022).

B.S.O.T., College of Saint Mary, 2001; O.T.D., Creighton University, 2007

Diana W. Thomas, *Professor of Economics* (2014; 2022); *Director, Institute for Economic Inquiry* (2016).

B.S., University of Applied Sciences, Germany, 2004; B.S., George Mason University, 2004; M.A., 2007; Ph.D., 2009

Michael D. Thomas, *Associate Professor of Economics and Finance* (2014; 2019).

B.S., University of Alabama, 2001; M.A., University of Missouri, 2005; Ph.D., George Mason University, 2009

Michael C. Thompson, *Assistant Clinical Professor of Medical Humanities* (2020).

B.A., Huntington University, 2000; ; M.A., Denver Seminary, 2004; ; D.Min., Northern Seminary, 2018

A. Joseph Threlkeld, *Professor Emeritus of Physical Therapy* (1992; 2020); *Professor Emeritus of Biomedical Sciences* (2010; 2020).

B.H.S., University of Kentucky, 1976; Ph.D., 1984

Maureen R. Tierney, *Professor of Nursing* (2018; 2022); *Professor of Clinical Research* (2016; 2022); *Professor of Medicine* (2020; 2022).

B.S., Fordham University, 1979; M.D., Cornell University Medical College, 1983

Susan Tinley, *Associate Professor Emeritus of Nursing* (; 2012).

B.S.N., Creighton University, 1966; M.S., 1984; Ph.D., University of Utah, 2006

Martha Todd, *Professor of Nursing* (2007; 2022).

B.S.N., Wichita State University, 1987; M.S., Creighton University, 2007; Ph.D., South Dakota State University, 2014

Catherine Toderò, *Dean Emerita and Professor, College of Nursing* (2015; 2023).

B.S.N., Creighton University, 1972; M.S.N., University of Nebraska Medical Center, 1974; Ph.D., University of Nebraska-Lincoln, 1986

Justin Tolman, *Associate Professor of Pharmacy Sciences* (2008; 2015); . Pharm.D., University of Texas, 2005; Ph.D., 2009

Mary Tracy, *Professor Emeritus of Nursing; Chairman of LEAP, ANC Program, Chair of DNP*.

B.S.N., Creighton University, 1976; M.S.N., University of Nebraska Medical Center, 1982; Ph.D., University of Nebraska, Lincoln, 2004

Yaping Tu, *Professor of Pharmacology* (2003; 2014).

B.S., Wuhan University (China), 1987; Ph.D., Institute of Biophysics, Chinese Academy of Science (China), 1992

Meera Varman, *Professor of Pediatrics* (2003; 2014); *Professor of Medical Microbiology & Immunology* (2006; 2014).

M.B.B.S., Coimbatore Medical College (India), 1985

Sarath Vijayakumar, *Research Assistant Professor of Biomedical Sciences* (2018; 2024); *Research Assistant Professor* (2024).

B.M.S., Medical College Thiruvananthapuram, University of Kerala (India), 1997;; Master of Surgery, Delhi University (India), 2004;; Ph.D., East Carolina University, 2009

Mary Ann Vinton, *Associate Professor of Biology* (1995; 2001).

B.S., University of Wyoming, 1987; M.S., Kansas State University, 1990; Ph.D., Colorado State University, 1994

Gargi Vyas, *Assistant Professor of Interdisciplinary Studies* (2022).

B.A., University of Richmond, 2016; M.A., University of Kentucky, 2021; Ph.D., 2021

Trent Wachner, *Associate Professor of Marketing* (2008; 2014).

B.S., California State University, Sacramento, 1995; M.B.A., Golden Gate University, 1999; Ph.D., Washington State University, 2008

Sarah Singletary Walker, *Professor of Marketing* (2018; 2021).

B.A., Dillard University, 2003; M.A., Rice University 2006; Ph.D., 2009

Trina Walker, *Assistant Professor of Nursing* (2020).

B.S.N., University of Nebraska Medical Center, 2009; ; D.N.P., Creighton University, 2016

Kenneth M. Washer, *Professor of Finance* (2008; 2014).

B.B.A., Southern Arkansas University, 1990; M.B.A., Louisiana Tech University, 1995; D.B.A., 1998

Dean D. Watt, *Professor Emeritus of Biomedical Sciences* (1969; 1989).

B.S., University of Idaho, 1942; Ph.D., Iowa State University, 1949

Sijing Wei, *Associate Professor of Accounting and Business Intelligence & Analytics* (2017; 2024).

B.S., Saint Louis University, 2010; M.A., 2012; Ph.D., University of Maryland, 2017

Marisa R. Welch, *Assistant Professor of Occupational Therapy* (2015; 2020).

B.S., University of Nebraska Lincoln, 2010; O.T.D., Washington University, 2013

Jozef V.M. Welie, *Special Professor of Medical Humanities and Ethics* (1997); *Professor of Bioethics* (1979; 2004).

M.A., Catholic University of Nijmegen-Netherlands, 1987; M.Med.S., University of Maastricht, Netherlands, 1987; J.D., 1990; Ph.D., Catholic University of Nijmegen, Netherlands, 1994

Crystall J. Williams, *Clinical Instructor of Medical Humanities* (2021).

B.A., Creighton University, 1987; ; M.A., 2016

Tony Williams, *Assistant Professor of Interdisciplinary Studies* (2016).

B.S., Embry-Riddle Aeronautical University, 1987; MBA, Gonzaga University, 1994; Ph.D., University of North Dakota-Grand Forks, 2008

John R. Wingender, *Professor of Finance* (1997; 1998).

B.A., University of Nebraska at Omaha, 1972; M.A., 1980; Ph.D., University of Nebraska, Lincoln, 1985

Eileen Wirth, *Professor Emeritus of Journalism, Media and Computing* (1991; 2017).

B.A., University of Nebraska-Lincoln, 1968; M.A., University of Minnesota, 1971; M.A., University of Nebraska-Lincoln, 1979; Ph.D., 1994

Kenneth Wise, *Associate Professor Emeritus of Political Science* (1967; 2008).

B.A., Midland Lutheran College, 1961; M.A., American University, 1965; Ph.D., 1967

Melissa K. Woodley, *Associate Professor of Finance* (2012; 2018).

B.S., University of Alabama, 1999; M.A., 2002; Ph.D., 2007

Wendy M. Wright, *Professor Emeritus of Theology* (1989; 1998).

B.A., California State University at Los Angeles, 1972; M.A., University of California at Santa Barbara, 1976; Ph.D., 1983

Jonathan Wrubel, *Associate Professor of Physics* (2012; 2018).

B.S., University of Florida, 1998; M.S., Cornell University, 2002; Ph.D., 2006

Jun Xia, *Assistant Professor of Biomedical Sciences* (2022).

Ph.D., Baylor College of Medicine, 2017

Charles F. Youngblood, *Associate Professor of Anesthesiology* (2011; 2016); *Associate Professor of Medical Humanities* (2022).

B.A., Loyola University , 1992; M.A., Colorado State University, 1996; M.D., Creighton University School of Medicine, 2002

Marisa L. Zallocchi, *Assistant Professor of Biomedical Sciences* (2018; 2023).

Ph.D., University of Buenos Aires

James Zboja, *Associate Professor of Marketing* (2018).

B.S.B.A., Middle Tennessee State University, 1994; M.B.A., 1999; Ph.D., Florida State University, 2006

INDEX

A

Academic Calendar	13
Academic Dismissal	35
Academic Load	23
Academic Misconduct Policy	24
Academic Probation	35
Academic Responsibility of Graduate Students	23
Accounting	47
Accreditations and Approvals	7
Adjustments and Withdrawals After Registration	28
Administration and Academic Policies	23
Admission	16
Admission of International Graduate Students	17
Admission Tests	16
Admission to Candidacy for an Advanced Degree	28
Adult-Gerontology Acute Care NP	150
American Jesuit Colleges and Universities	12
Appeals and Petitions	28
Application for Degree or Certificate/Commencement	30
Application Procedures	16
Application Procedures	21

B

B.A., Communications/M.S., Integrative Health and Wellness Accelerated Program	112
B.A. or B.S./Master of Education in Secondary School Teaching Accelerated Program	94
B.A.(COM) to M.S.(ORGL) Accelerated Program	165
B.S. in Paramedicine/M.S. in Paramedicine Accelerated Program	170
B.S.B.A., Marketing-Management/M.S., Integrative Health and Wellness Accelerated Program	112
B.S.(ILS)/M.S.(ORGL) Accelerated Program	166
B.S.(ILS)/MBA Accelerated Masters Program	63
B.S.(PHYB)/M.S.(MPHY) Accelerated Program	186
Biomedical Sciences	51
BS-Eled/MS-EDSA Accelerated Program	95
BSBA (MGT) / MS (ORGL) Accelerated Program	166
BSBA-ACC/MAC Accelerated program	50
BSBA-FIN (Financial Analysis)/MIMFA Accelerated Program	121
Business Administration (MBA)	53
Business Analytics	65

C

Campus Facilities	8
Catholic School Leadership Graduate Certificate	95
Center for Professional and Corporate Excellence	189
Christian Spirituality	68
Class Attendance	31
Classification of Students	31
Commencement	31
Comprehensive Examination	31
Confidentiality and Privacy of Student Records	32
Continuous Enrollment	35
Course Key to Abbreviations and Symbols	33
Course Levels and Numbering System	34
Creighton BSN to Graduate Education Pathways	143
Creighton Colleges and Schools	6
Creighton University General Information	5

D

Degree Policies	10
Discipline	35
Doctor of Nursing Practice, Adult-Gerontology Acute Care Nurse Practitioner - Creighton BSN Pathway	144
Doctor of Nursing Practice (DNP)	148
Doctor of Nursing Practice, Family Nurse Practitioner - Creighton BSN Pathway	145
Doctor of Nursing Practice, Neonatal Nurse Practitioner - Creighton BSN Pathway	145
Doctor of Nursing Practice, Nursing Administration and Leadership - Creighton BSN Pathway	146
Doctor of Nursing Practice, Pediatric Primary/Acute Care Nurse Practitioner - Creighton BSN Pathway	146
Doctor of Nursing Practice, Psychiatric Mental Health Nurse Practitioner - Creighton BSN Pathway	147
Doctor of Nursing Practice: Post-Graduate	153

E

Early Childhood Education Graduate Certificate	96
Education	76
Email as Official Means of Communication	9
English as a Second Language Graduate Certificate	97
Enterprise Risk Management Graduate Certificate	63
Equity, Diversity and Inclusion Policy	10
Evaluation and Selection	17

F

Faculty	190
Family NP	151

Finance 99
 Financial Aid 21
 Financial Aid Satisfactory Academic Progress 23
 Financial Arrangements 21
 Financial Psychology & Behavioral Finance Graduate Certificate 64

G

General Requirements 16
 Government Organization and Leadership 101
 Grade Reports 35
 Grading Guidelines and System 34
 Grading System 34
 Graduate 13
 Graduate Certificate - Lifestyle Medicine 113
 Graduate Certificate, Bioethics 126
 Graduate Certificate, Clinical Ethics Consultation 126
 Graduate Certificate in Business Analytics 67
 Graduate Certificate in Ignatian Tradition 76
 Graduate Certificate in Leadership and Wellbeing 164
 Graduate Certificate in Organizational Leadership 164
 Graduate Certificate in Spiritual Direction and Directed Retreats 75
 Graduate Certificate in Sports Leadership 164
 Graduate Fellowships 21
 Graduate Programs and Courses 45
 Graduate Scholarships/Awards 21
 Graduate Student Government 41
 Graduation Rates 10

H

Health and Counseling 42
 Health Care Collaboration and Conflict Management Graduate Certificate 135
 Health Informatics 104
 Healthcare Educator Teaching and Learning 106
 Healthcare Management 107
 Heider College of Business: Dean's Honor Roll for Social Responsibility . 35

I

Incomplete Policy 36
 Institute for Priestly Formation 114
 Integrative Health and Wellness 107
 Interdisciplinary Leadership (Ed.D.) 115
 Interprofessional Education 40

J

JD/MS-Government Organization and Leadership Dual Degree 103

Joint and Dual Degree Definitions 10

K

K-12 Educational Leadership through Sports Graduate Certificate 97

L

Late Payment Policy 19
 Living Accommodations 42
 Loan Funds 22

M

M.A., Christian Spirituality 71
 M.Ed., Elementary School Teaching 82
 M.Ed., Secondary School Teaching 83
 M.S., Biomedical Sciences 52
 M.S., Business Analytics 67
 M.S., Educational Leadership 88
 M.S., Educational Specialist Areas 90
 M.S. in Paramedicine 169
 M.S., Integrated Medical Sciences 130
 M.S., Integrative Health and Wellness 109
 M.S., Integrative Health and Wellness Accelerated Programs 112
 M.S., Major in Organizational Leadership 163
 M.S., Medical Microbiology and Immunology 128
 M.S., Medical Physics 186
 M.S., Medical Sciences 131
 M.S., Oral Biology - Anatomical Sciences Track 161
 M.S., Oral Biology - Dental Materials Track 161
 M.S., Pharmaceutical Sciences 172
 M.S., Pharmacology and Neuroscience 178
 M.S., Physics 181
 M.S., School Counseling 91
 Master of Accounting 49
 Master of Arts, Medical Humanities and Ethics 125
 Master of Arts with a Major in Ministry 132
 Master of Business Administration (MBA) Program 57
 Master of Finance 101
 Master of Financial Planning and Financial Psychology 119
 Master of Investment Management and Financial Analysis 121
 Master of Investment Management and Financial Analysis (MIMFA) .. 119
 Master of Public Health 187
 Master of Science in Nursing (MSN) 157
 Master of Science in Nursing, Nursing Administration and Leadership - Creighton BSN Pathway 147

Master of Science in Nursing, Nursing Education - Creighton BSN Pathway	147	Ph.D., Biomedical Sciences	53
Master of Science (M.S.), Pharmaceutical Sciences/Doctor of Pharmacy (Pharm.D.)	173	Ph.D., Medical Microbiology and Immunology	128
MBA/JD Dual Degree Program	60	Ph.D., Pharmaceutical Sciences	173
MBA/MFin Dual Degree Program	59	Ph.D., Pharmacology and Neuroscience	178
MBA/MFin Dual Degree Program	59	Pharmaceutical Sciences	170
MBA/MIMFA Dual Degree Program	61	Pharmacology and Neuroscience	174
MBA/MIMFA Dual Degree Program	61	PharmD/MBA Dual Degree Program	62
MBA/MS-BA Dual Degree Program	59	Physics	179
MBA/MS-ORGL Dual Degree Program	61	Post-Graduate Certificate-Adult-Gerontology Acute Care Nurse Practitioner	156
MBA/MS-ORGL Dual Degree Program	61	Post-Graduate Certificate-Family Nurse Practitioner	156
MBA: Executive Healthcare (EMBA)	58	Post-Graduate Certificate-Neonatal Nurse Practitioner	156
MBA: Financial Psychology & Behavioral Finance	57	Post-Graduate Certificate-Nursing Education	156
MD/MBA Dual Degree Program	62	Post-Graduate Certificate-Pediatric Acute Care Nurse Practitioner	157
Medical Humanities and Ethics	123	Post-Graduate Certificate-Psychiatric-Mental Health Nurse Practitioner	157
Medical Microbiology and Immunology	126	Post-Graduate Certificates	154
Medical Physics	183	Posthumous Degree/Certificate	36
Medical Sciences	128	Preferred First Name Policy	11
Military and Veterans Affairs	11	Project Management Graduate Certificate	64
Military and Veterans Affairs	44	Psychiatric Mental Health NP	153
Military Discounts	19	Public Health	186
Ministry	131	Q	
Mission and Learning Outcomes	7	Quality Requirements	35
MSN: Nursing Administration and Leadership	158	R	
MSN: Nursing Education	159	Recognition of Scholarship and Leadership	9
N		Registration	36
NCR Graduate Certificate	134	Residence	37
Negotiation and Conflict Resolution	133	S	
Neonatal NP	151	School Administration	88
Neuroscience	166	Special Student Applications	18
Non-discrimination Statement	9	Special Tuition Rates	19
Nursing	135	Sports Leadership Graduate Certificate	98
Nursing Administration and Leadership	152	Student Accessibility Services	11
Nursing Administration and Leadership (Post-Graduate)	154	Student Counseling Services	43
O		Student Employment	22
Oral Biology	159	Student Health Services	43
Organizational Leadership	161	Student Life	41
P		T	
Paramedicine	167	Teacher Leadership	89
Pediatric Acute/Primary Care NP (Dual Track)	152	Teacher Leadership Graduate Certificate	98
Personal Financial Planning Graduate Certificate	64	Temporary Withdrawal	37

The Academic Year 38

The Alumni Association 9

The Degree Program Plan of Study 38

The Graduate School 14

The Jesuit Order 12

Theology for Catechesis Graduate Certificate 98

Thesis, Dissertation and Project Studies 39

Thesis Examination or Dissertation Defense 39

Time to Completion 39

Transcripts 39

Transfer of Credit 40

Tuition and Fees 18

U

Undergraduate Students in Graduate Courses 40

Unit of Instruction/Credit Hour Policy 40

University Health Insurance Requirements 43

University Immunization Requirement 44

University Libraries 8

W

Withdrawals and Refunds 20

Creighton
UNIVERSITY

2500 California Plaza
Omaha, NE 68178

creighton.edu