

CATALOG 2023 - 2024

Traditional Undergraduate & Dual Enrollment





**UNIVERSITY OF
NORTHWESTERN**
————— **ST. PAUL** —————

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TRADITIONAL UNDERGRADUATE ACADEMIC CALENDAR

Traditional Undergraduate Courses

Academic Calendar

Fall 2023

August 30–December 21, 2023

August	17	Orientation — Athletic
	23	Orientation — International
	24	Orientation — Multicultural
	25	Residence Halls Open — New Students
	25–29	Orientation — New Students
	28–29	Residence Halls Open — Continuing Students
	30	SEMESTER BEGINS — FALL 2023
	30	Courses Begin — Fall Semester & Quad 1
	31	Add Deadline — New Students Initial Registration
September	4	No Classes — Labor Day
	7	Add/Drop Deadline — Quad 1 Courses
	13	Add/Drop Deadline — Fall Semester Courses
October	4	Withdrawal Deadline — Quad 1 Courses
	19–20	Final Exams* — Quad 1 Courses
	20	Courses End — Quad 1 Courses
	21–24	No Classes — Mid-Semester Break
	25	CLASSES RESUME — FALL SEMESTER COURSES
	25	Courses Begin — Quad 2 Courses
November	1	Add/Drop Deadline — Quad 2/Extended# Courses
	10	Withdrawal Deadline — Fall Semester Courses
	15	Advising Day
		No Daytime Classes — Evening Classes Meet
	20	Registration Opens — Spring and Summer 2024
	22–26	No Classes — Thanksgiving Recess
December	4	Withdrawal Deadline — Quad 2/Extended# Courses
	15	Courses End — Fall Semester & Quad 2
	18–21	Final Exams — Fall Semester & Quad 2
	21	SEMESTER ENDS — FALL 2023
	22	Commencement
	22	Residence Halls Close
	22–Jan 15	No Classes — Christmas Recess

* QUAD 1 FINAL EXAMINATIONS ARE HELD ON THE LAST CLASS DAY.

** QUAD 3 FINAL EXAMINATIONS ARE HELD ON THE LAST CLASS DAY.

EXTENDED: INTERNSHIPS, DIRECTED STUDIES, TUTORIALS, CO-CURRICULAR, RESEARCH, AND WORKSHOP COURSES

NOTE: UNDER THE SEMESTER SYSTEM, MANY 2-CREDIT COURSES MEET FOR ONE-HALF OF A SEMESTER. TO SIMPLIFY TERMINOLOGY, WE HAVE CHOSEN TO CALL THESE HALF-SEMESTERS "QUADS"; I.E., ONE-FOURTH OF AN ACADEMIC YEAR, 7+ WEEKS IN LENGTH. IN THE ACADEMIC CALENDAR ABOVE, WE HAVE USED THE FOLLOWING DESIGNATIONS:

QUAD 1 = FIRST HALF, FALL SEMESTER
QUAD 2 = SECOND HALF, FALL SEMESTER
QUAD 3 = FIRST HALF, SPRING SEMESTER
QUAD 4 = SECOND HALF, SPRING SEMESTER

Spring 2024

January 16–May 16, 2024

January	12	Residence Halls Open — New Students
	12–14	Orientation — New Students
	14	Residence Halls Open — Continuing Students
	15	No Classes — Martin Luther King Jr. Day
	16	SEMESTER BEGINS — SPRING 2024
	16	Courses Begin — Spring Semester & Quad 3
	17	Add Deadline — New Students Initial Registration
	23	Add/Drop Deadline — Quad 3 Courses
	29	Add/Drop Deadline — Spring Semester Courses
February	19	Withdrawal Deadline — Quad 3 Courses
March	5–6	Final Exams** — Quad 3 Courses
	6	Courses End — Quad 3 Courses
	7–17	No Classes — Mid-Semester Break
	18	CLASSES RESUME — SPRING SEMESTER COURSES
	18	Courses Begin — Quad 4 Courses
	25	Add/Drop Deadline — Quad 4/Extended# Courses
	29–April 1	No Classes — Easter Recess
April	7	Withdrawal Deadline — Spring Semester Courses
	9	Advising Day
		No Daytime Classes — Evening Classes Meet
	12	Registration Opens — Fall 2024
	24	Withdrawal Deadline — Quad 4/Extended# Courses
	25	Day of Prayer & Service
		No Daytime Classes — Evening Classes Meet
May	9	Courses End — Spring Semester & Quad 4
	10	No Classes — Study Day
	13–16	Final Exams — Spring Semester & Quad 4
	16	SEMESTER ENDS — SPRING 2024
	18	Commencement

Summer 2024

May 20–August 28, 2024

May	20	Courses Begin — Summer 2024
	27	No Classes — Memorial Day
	28	Courses Begin — Nursing Extended
June	19	No Classes — Juneteenth
July	4	No Classes — Independence Day
	30	Withdrawal Deadline — Summer 2024
August	27	Courses End — Summer 2024
September	30	Courses End — Nursing Extended

Dual Enrollment (DE) Online Courses

Academic Calendar

Fall 2023

August 30–December 21, 2023

August	30	SEMESTER BEGINS — FALL 2023
	30	Courses Begin — Fall Semester & Quad 1
	30–Sept 1	Orientation Activities — DE Online Students
September	7	Add/Drop Deadline — Quad 1 Online Courses
	13	Add/Drop Deadline — Fall Semester Online Courses
October	4	Withdrawal Deadline — Quad 1 Online Courses
	25	Courses Begin — Quad 2 Online Courses
	25–27	Orientation — Quad 2 Online Activities
November	1	Add/Drop Deadline — Quad 2 Online Courses
	10	Withdrawal Deadline — Fall Semester Online Courses
	20	Registration Opens — Spring and Summer 2024
	18–26	No Classes — Thanksgiving Recess
	27	Classes Resume
December	4	Withdrawal Deadline — Quad 2 Online Courses
	21	SEMESTER ENDS — FALL 2023
	22	Commencement
	22–Jan 15	No Classes — Christmas Recess

Spring 2024

January 16–May 16, 2024

January	12–14	Orientation – New Commuting On-Campus DE Students
	12–14	Orientation – Residential On-Campus DE Students
	16	SEMESTER BEGINS — SPRING 2024
	16	Courses Begin — Spring Semester & Quad 3
	16–22	Orientation Activities — DE Online Students
	23	Add/Drop Deadline — Quad 3 Online Courses
	29	Add/Drop Deadline — Spring Semester Online Courses
February	19	Withdrawal Deadline — Quad 3 Online Courses
March	9–17	No Classes — Mid-Semester Break
	18	Classes Resume
	18	Courses Begin — Quad 4 Online Courses
	18–21	Orientation — Quad 4 Online Activities
	23–31	No Classes — Easter Recess
	25	Add/Drop Deadline — Quad 4 Online Courses
April	2	Classes Resume
	7	Withdrawal Deadline — Spring Semester Online Courses
	12	Registration Opens — Fall 2024
	24	Withdrawal Deadline — Quad 4 Online Courses
May	16	SEMESTER ENDS — SPRING 2024
	18	Commencement

Summer 2024

May 20–August 28, 2024

May	18–19	Orientation Activities — DE Online Students
	20	SEMESTER BEGINS — SUMMER 2024
	20	Courses Begin — Semester & Quad 5 Courses
	28	Add/Drop Deadline — Quad 5 Courses
June	3	Add/Drop Deadline — Semester Courses
	19	No Classes — Juneteenth
	25	Withdrawal Deadline — Quad 5 Courses
July	8	Courses End — Quad 5 Courses
	9–10	Orientation Activities — DE Online Students (Quad 6)
	11	Courses Begin — Quad 6 Online Courses
	18	Add/Drop Deadline — Quad 6 Online Courses
	30	Withdrawal Deadline — Summer Semester Online Courses
August	14	Withdrawal Deadline — Quad 6 Online Courses
	27	SEMESTER ENDS — SUMMER 2024

Mission Statement

University of Northwestern – St. Paul exists to provide Christ-centered higher education equipping students to grow intellectually and spiritually, to serve effectively in their professions, and to give God-honoring leadership in the home, church, community, and world.

Philosophy of Education

The Philosophy of Education may be found in its entirety at unwsp.edu/about-us/christian-values/philosophy-of-education/.

Doctrinal Statement

The Doctrinal Statement may be found in its entirety at unwsp.edu/about-us/christian-values/doctrinal-statement/.

Accreditations, Recognitions, & Memberships

University of Northwestern – St. Paul is:

- Accredited by The Higher Learning Commission (hlcommission.org, 312-263-0456). Thus, credits earned at Northwestern are recognized by other colleges and universities. Also, Northwestern students are eligible for all federally funded financial aid programs and other aid programs.
- Incorporated under the laws of the State of Minnesota as a non-profit operated exclusively for educational, religious, and charitable purposes.
- Registered with the Minnesota Office of Higher Education pursuant to sections 136A.61 to 136A.71. Registration is not an endorsement of the institution. Credits earned at the institution may not transfer to all other institutions.
- A member of the American Association of Colleges for Teacher Education (AACTE) and the Minnesota Association of Colleges for Teacher Education (MACTE).
- Approved by Minnesota Professional Educator Licensing and Standards Board (PELSB) to offer programs leading to teacher licensure.
- Approved by the State of Minnesota Department of Veteran Affairs for the training of veterans as well as survivors and dependents of veterans.
- An accredited institutional member of the National Association of Schools of Music (NASM).
- Granted certification by the Minnesota Board of Peace Officer Standards and Training (POST) to provide the academic component of the Professional Peace Officer Education (PPOE) in Northwestern's criminal justice major (law enforcement track).
- A member of the Upper Midwest Athletic Conference (UMAC), the National Collegiate Athletic Association (NCAA - DIII), and the National Christian College Athletic Association (NCCAA - DI).
- A member of the Council for Christian Colleges and Universities (CCCU).
- A member of the Council of Independent Colleges (CIC).
- A member of the North American Coalition for Christian Admissions Professionals and endorses the NACCAP principles of good practice.
- A member of the National Alliance for Musical Theatre (NAMT).
- A member of International Network for Christian Higher Education (INCHE).
- A member of the National Association of Independent Colleges & Universities (NAICU).
- A charter member of the Association of Christian Schools International (ACSI).
- A (non-accredited) member of the National Alliance of Concurrent Enrollment Partnerships (NACEP).
- A member of the National Association for College Admission Counseling (NACAC).
- A member of the National Association of Evangelicals (NAE).
- A founding member of the Open Education Network (OEN).
- A subscriber to Quality Matters Higher Education online course rubric.
- An institutional participant in the National Council for State Authorization Reciprocity Agreements (NC-SARA).
- A member of the International Association for Communication and Sport (IACS).
- A member of the Intercollegiate Broadcasting System (IBS).
- A member of the National Communication Association (NCA).
- A member of the Broadcast Education Association (BEA).
- A member of the Event Service Professionals Association (ESPA).
- A member of the Association of Business Administrators of Christian Colleges (ABACC).
- A member of the Christian Adult Higher Education Association (CAHEA).
- An institutional member of the Christian Engineering Society (CES).
- A member of the Minnesota Private College Council (MPCC).
- An associate member of the Association of Theological Schools (ATS).

The baccalaureate program in nursing at University of Northwestern – St. Paul is accredited by the Commission on Collegiate Nursing Education (www.aacnnursing.org/CCNE).

The Bachelor of Science in Engineering program at the University of Northwestern – St. Paul is accredited by the Engineering Accreditation Commission of ABET (www.abet.org), under the General Criteria.

Any student interested in reviewing the documents of the university's accreditation and licensure should contact the Provost | Senior Vice President for Academic Affairs.

Northwestern Media

Northwestern Media information may be found at unwsp.edu/about-us/northwestern-media/.

Corbin Hoornbeek, Ph.D. President

Corbin Hoornbeek, Ph.D., began his term as Northwestern's ninth president in August 2022. He also serves as president of Northwestern Media, a ministry of University of Northwestern – St. Paul. The media ministry reaches nearly 1.5 million listeners with the truth and love of Jesus Christ—on the air and worldwide over the Internet—through 23 radio stations in 10 states that offer encouraging and uplifting music, biblical teaching, and dynamic listener engagement.

Dr. Hoornbeek has been a leader in Christian higher education and world missions for nearly 30 years. Prior to starting at Northwestern, he served as Vice President for University Advancement at Azusa Pacific University (APU), where he directed the university's fundraising, alumni, and parent engagement activities and programs. A member of the president's cabinet, Dr. Hoornbeek led the completion of a \$100 million comprehensive campaign, while also securing over \$12.5 million in new endowment gifts. Dr. Hoornbeek's career highlights also include more than a decade as a major gift officer with The Navigators, a global, interdenominational missions agency with over 7,000 internationally and ethnically diverse staff serving in over 100 countries. During his Navigators tenure, Dr. Hoornbeek traveled extensively throughout the world, interacting cross-culturally with global missions leaders in Africa, Asia, and Europe.

Dr. Hoornbeek's relational and collaborative leadership approach extends beyond his advancement experience. Throughout his 11-year career at APU, he invested in students in 1:1 mentorship and small group discipleship settings. He has been an active volunteer with Young Life and WyldLife Clubs and has co-led relational and emotional healing processes for marriages in distress.

As he researched the university and media ministry as a presidential candidate, Dr. Hoornbeek discovered close alignment with his personal foundation and mission: "As I began to explore the history and ethos of University of Northwestern, everything that I read resonated with my personal commitment and calling to develop future generations of Christian leaders. Throughout my interactions with the university's faculty, staff, students, and board members, those words have come to life. Over its 120-year history, Northwestern has remained true to its mission, unwavering in its commitment to Christ-centered academic excellence and to equipping God-honoring leaders for our homes, churches, communities, and the world in the classroom and over the airwaves."

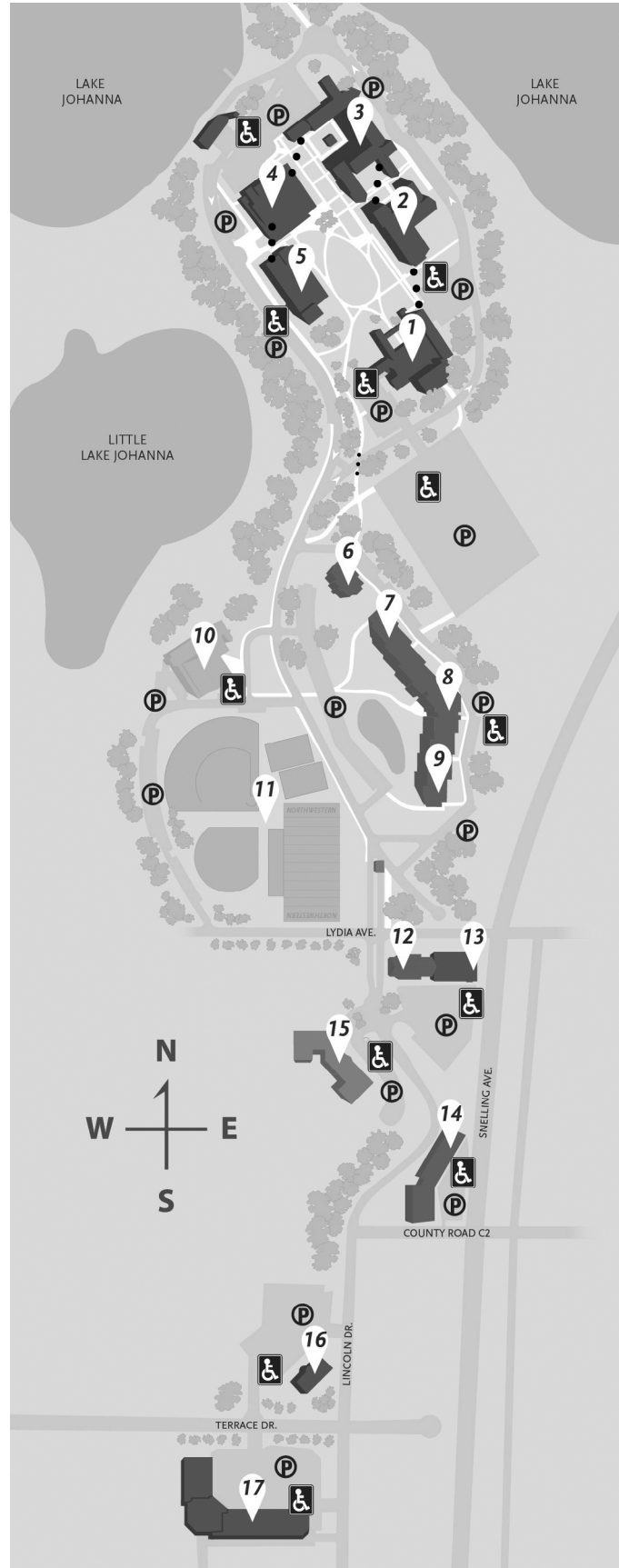
Upon Dr. Hoornbeek's hire as president, Dr. George Kenworthy, chair of the Northwestern Board of Trustees, said, "Dr. Hoornbeek enthusiastically believes that the Bible is God's inerrant and authoritative Word; he embraces the Great Commission as his personal mandate for life. I believe that Dr. Hoornbeek is an extremely personable and gifted leader who will evaluate every decision he makes based on the mission statements of our university and media ministry."

Dr. Hoornbeek and his wife, Heather, have been married since 1993. Together, they have three adult children. Originally from Bellingham, Washington, Dr. Hoornbeek earned a B.A. in Music from the University of Michigan and an M.A. in Theological Studies from Covenant Theological Seminary. Dr. Hoornbeek graduated from Dallas Baptist University with a Ph.D. in Leadership Studies, featuring a concentration in higher education. His personal interests include classical music, running, the outdoors, and spending time with Heather and their family.

CAMPUS MAP

Campus Map

- 1 Riley Hall**
Academic Offices
Alumni Engagement
Business Offices
Classrooms
Computer Labs
Executive Offices
Parent Engagement
Public Safety
- 2 Billy Graham Community Life Commons**
Campus Store
Classrooms
Dining Center
Heritage Café
Mail Center
Office of Admissions
President's Office
Print Center
Student Life
- 3 Nazareth Hall**
Academic Achievement
Academic Offices
Art Lab
Art Student Gallery
Audio and Visual Services
Career & Leadership Development
Classrooms
College of Graduate, Online, & Adult Learning
Counseling Services
Financial Aid
Great Room
Nazareth Chapel
Office of Dual Enrollment
Registrar's Office
Science Labs
Writing Center
- 4 Totino Fine Arts Center**
Academic Offices
Academy of Music
Classrooms
Computer Labs
Denler Art Gallery
Event Services
Knight Performance Hall
Music Practice Rooms
Patsy Miller Studio Theatre
Ticket Office
- 5 Berntsen Library**
Archives
Classrooms
Library
- 6 Moyer Hall**
Residence
- 7 Hartill Hall**
Residence
- 8 Robertson Student Center**
Classrooms
Conference Rooms
Eagle's Nest Dining Center
Fitness Center
Recreation Rooms
Student Chapel
- 9 Knutson Hall**
Residence
- 10 Ericksen Center**
Academic Offices
Athletic Offices
Classrooms
Gymnasium
Weight/Wellness Room
- 11 Reynolds Field**
Athletic Complex
Baseball Field
Football/Soccer Field
Softball Field
Tennis Courts
- 12 Ramseyer Hall**
Residence
- 13 Mel Johnson Media Center**
Academic Offices
Classrooms
Film, Radio & TV Studios
Northwestern Media
UMAC
- 14 Akenson Hall**
Residence
- 15 EagleCrest**
Child Development Center
- 16 Wilson Center**
Nursing Labs
Nursing Learning Center
School of Nursing Offices
Student Chapel
- 17 Rosedale Square North**
Engineering Labs



Campus Life

Within the Christ-centered learning environment of University of Northwestern, there are many opportunities for students to develop and mature. The Northwestern community is a place where living and learning are combined intentionally for the good of the individual and the community and to bring honor to God.

General Information

STUDENT RESPONSIBILITY

Students are held responsible for all information published in the University of Northwestern catalog and Student Handbook.

DECLARATION OF CHRISTIAN COMMUNITY

The Declaration of Christian Community can be found in its entirety at unwsp.edu/about-us/christian-values/declaration-of-christian-community/.

Student Life

Student Life provides support, programs, and opportunities for students through community life, spiritual formation, student engagement, counseling services, health services, leadership development, and intercultural/multicultural services. These service areas attend to the immediate needs of the campus with an emphasis on systems for care and support, education, whole-person healing/restoration, and reconciliation.

The Office of Student Life provides a centralized location for students to seek information and direction regarding campus services and resources and addresses student concerns through collaboration with specific university offices and personnel. The Student Life deans provide interpretation of university community policies and agreements and are available to assist with individual student concerns and questions. Deans can also help provide a variety of ways for employees of the university to become connected with students through mentoring relationships and activities. More details about the programs and services offered through Student Life are found in the Student Handbook and at myUNW.

COMMUNITY LIFE

The area of Community Life includes Residence Life and Student Care. Residence Life exists to develop a Christ-centered, living/learning community which fosters spiritual transformation based on biblical truth, the integration of theology and life practice, the pursuit of academic excellence and critical thinking, emotional and social development, and authentic relationships with people of diverse backgrounds. Residence programs and support systems are coordinated through the area of Residence Life in the Office of Student Life. Northwestern residences provide excellent living units, which are air-conditioned, carpeted, and completely furnished. All have access to kitchen facilities and complete bathrooms. Living unit configuration and student capacity per unit differ to provide various housing options for students. For the housing policy related to requirements for who must live on campus, refer to Northwestern's Student Handbook. Commuter students are also a valuable part of the Northwestern community, comprising approximately one-third of the student body.

SPIRITUAL FORMATION

Spiritual Formation programming includes chapel, worship, Bible studies, discussion sessions, prayer gatherings, serving opportunities, mentoring, and retreats.

Mission of Chapel: Encountering God Together in Community

Chapel is an opportunity for all of Northwestern to daily gather to share in an experience of worship that engages with creative and diverse content that will encourage, challenge, and invite us to a life of faith, hope, love, and service. Every chapel is planned with the following values in mind:

1. **Christ-centered.** We seek to glorify and experience God through content that is rooted in Christ.
2. **Transformation-focused.** We seek development that encourages a genuine, transformative journey.
3. **Community-oriented.** We seek to understand, love, and journey together as part of the body of Christ.

Chapel services provide balanced programming for students, faculty, and staff; regular attendance is required for all full-time students. Some chapels feature outside speakers, such as visiting scholars, ministers, missionaries, or community leaders. Others include presentations by musical groups, faculty/staff, or students, or videos on a topic of interest.

Chapel meets during the school year, on every weekday that classes are held. Alternative chapels take place on Wednesdays and Thursdays at multiple locations across campus.

While chapel is a central focus, students are offered a wide variety of opportunities to grow in their faith, deepen wisdom, develop character, and serve others. We provide spiritual development opportunities in all areas of Student Life, including programming specific to residents or commuters.

STUDENT ENGAGEMENT

The area of Student Engagement coordinates and provides opportunities for students to be involved throughout campus and our local community. Student Engagement provides leadership opportunities, programming, and support in the following areas: Commuter Life, Global Engagement, Local Engagement, Student Clubs, Student Government, and CORE (Student Activities).

MOSAIC LEADERSHIP PROGRAM

The Mosaic Leadership Scholarship is a competitive award presented each year to new incoming students who demonstrate interest in working towards Biblical righteousness and harmony among followers of Christ and the broader society. These students embrace diversity and belonging efforts towards ethnic and racial harmony. Through the Mosaic Leadership Program, recipients of this scholarship receive direct support, intentional cross-cultural engagement, on-campus student leadership opportunities, and staff/faculty guidance to reinforce our ongoing commitment to the principles outlined in Northwestern's **Strategic Diversity and Inclusion Framework**. A specialized leadership course provides an opportunity for students to explore, understand, and apply biblical leadership concepts. Emphasis is given to the connection between spiritual formation and leadership, identifying and understanding personal leadership gifts and challenges, and practice in applying concepts to commonly experienced leadership situations. The online application is available starting in August and closes in December. Interested students should contact their Admissions Counselor for additional information.

CAMPUS LIFE**HEALTH SERVICES**

Wellness is not merely the absence of ailments, disease, or debility but is achieved by attention to the whole person, including one's physical, mental, social and spiritual needs. Health Services is dedicated to providing high quality, cost effective, personal and convenient health care to our students. We come alongside students in times of illness, injury, mental health management, and for routine medical needs, to support students in successfully achieving their academic goals. Additionally, we work to educate, guide, and encourage students to cultivate healthy lifestyles now and into the future. We are a confidential, outpatient, student health clinic that is available to all traditional undergraduate and residential PSEO students throughout the fall and spring semesters during normal business hours. We are closed over the summer and for all academic breaks. Further details about the scope of our available services are on found at my.unw.edu/pages/health-services or unwsp.edu/student-life/student-services-center/health-services/.

HEALTH INSURANCE

While health insurance is not needed to seek most services at our campus clinic, it is needed for most medical services off campus. Costs related to insurance coverage and use is the sole responsibility of the student. It is required that all students carry health insurance to receive any needed care outside student health services, and to keep unexpected medical expenses from derailing educational goals. Students should carry the card or a picture of the card (front and back) issued by the insurance company with all pertinent information. Many students are covered by a parent/guardian's health plan during their college years, but if students are uninsured, they can look into insurance options at www.healthcare.gov/young-adults/college-students/ or www.mnsure.org/.

COUNSELING SERVICES

At University of Northwestern we are concerned about the whole person. This includes emotional and psychological well-being as well as academic and spiritual development. Sensitive and confidential services are provided by trained psychologists and counselors who are committed to high standards of professional practice and personal integrity. There are opportunities to be involved in either individual counseling and/or support groups. In addition, several assessment tools are available to help students learn more about themselves and to assist them in making informed choices about personal decisions. Services are offered to traditional undergraduate students and residential PSEO students, Monday through Friday, except during school breaks and the summer months. Counseling Services is located in Nazareth Hall, suite N3086–N3088. If appropriate, referrals are made to persons/agencies off campus.

INTERCULTURAL PROGRAMS AND SERVICES

At University of Northwestern, one of our core values is to create a community that reflects the diversity of the Body of Christ by intentionally promoting Christian unity in our university community, particularly with respect to issues of racial, cultural, and ethnic diversity and biblical reconciliation.

Student Life staff advance this mission of University of Northwestern by coordinating programs, services, and resources that celebrate and nurture culturally, racially, ethnically, and globally diverse and transformative learning environments for all members of the university community. Our caring and qualified staff also advise and support in the areas of academic, cultural, spiritual, and personal growth.

- **International Orientation and Multicultural New Student Orientation** are each one day events just prior to general orientation. Students and their families are provided with tools for adjusting to university life and resources for academic success, as well as the opportunity to meet other students and begin the process of making new friends.
- **Intercultural Student Services** supports students by providing access to important resources, helping with cultural adjustment, advocating for unique needs, and planning valuable programs designed to promote intercultural learning and biblical reconciliation on campus. Each student is connected with an upper-class student mentor who becomes a friendly, reliable, and trustworthy source of information and support.
- **International Student Services** assists international students in their adjustment to life in the U.S. by providing spiritual, social, and academic support to help them integrate into all aspects of life. We assist students in applying their learning to their own lives, vocation, and cultural contexts, as well as sharing with the university community. Each international student is connected with an upper-class student mentor who becomes a friendly, reliable, and trustworthy source of information and support.

Persistence/Retention – Student Services

Northwestern seeks to have all incoming students persist to complete their academic goals, most often including graduation. Faculty and staff participate in this process by submitting early alerts for students who may be struggling. Staff members collectively serve these students depending on the need and jointly intervene for the benefit of the student. The care and service provided to students is individualized and customized to match each situation. This individual approach is aimed at providing the best care for students, while also supporting the university's goal of retaining students.

Center for Global Programs

University of Northwestern is committed to making off-campus and study abroad opportunities available to students. The Center for Global Programs serves and enhances the Northwestern experience by providing quality opportunities in new cultural contexts that foster academic, spiritual, personal, and professional development. The advising process is designed to help students with program selection, application, and scholarship resources. In order to apply for a program through Northwestern, students need a minimum GPA of 2.25 and must meet the respective program's qualifications. To be eligible for financial assistance, students must complete a minimum of one semester at Northwestern as a matriculated student. For more information, please e-mail global@unwsp.edu.

Academic Achievement

Academic Achievement equips all UNW students to reach their academic goals through well-researched resources and services. With professional staff and highly-trained peer tutors and coaches, we develop resilient, life-long learners who will serve in their workplaces, homes, and communities.

Academic Achievement provides the following services:

- Subject and writing tutoring
- Culture and language transitioning
- Disability Services
- Academic Coaching

Academic Achievement is located on the 4th floor of Nazareth Hall (N4012). Visit or call 651-628-3316 for more information. Also check my.unw.edu/pages?category=academic-achievement and view the Academic Achievement page.

Career Development

Career Development helps students and alumni explore their interests, prepare for the work place, and pursue their careers for the glory of God.

The Career Development team serves all students and alumni at UNW and guides their transition from college to career. Our goal is to help students and alumni

- discover their God-given design and how it influences academic and career direction
- choose and/or confirm a major and academic program
- explore career options
- gain experience through internships or service-learning
- research employers, industries, or marketplace trends
- develop professional skills in résumé writing, interviewing, networking, and job searching
- evaluate graduate and professional programs
- make meaningful connections with alumni and employers

Career Development resources are available on at my.unw.edu/pages?category=career-leadership and viewing the Career and Leadership Development page. Our office is in Nazareth Hall N4106. Visit or email career@unwsp.edu for more information. In addition to events, workshops, and webinars, students can schedule a one-on-one coaching appointment through Handshake to connect with our team. Coaching appointments are offered both in-person and virtually.

Library

The Berntsen Library is a 37,800-square-foot, free-standing facility located next to the Totino Fine Arts Center. The building is named in honor of William B. Berntsen, former president and chancellor of Northwestern College, who served the college for over 40 years. The Berntsen Library serves the Northwestern community through information resources and expertise, in order to advance the university's educational mission and to enrich the student learning experience.

The library provides growing book, reference, periodical, and audiovisual collections in a variety of formats in order to assist with learning. Access to online databases and research tools greatly enhances and expedites the research process. Research librarians along with support staff are available to help students with research questions.

The library is a member of the MnPALS Consortium, which provides for resource-sharing with partner libraries across Minnesota, and works with other library networks to share resources regionally and nationally.

The library houses the Archives, which contain, among other things, the scrapbooks, sermons, and other writings of William B. Riley, the first president of Northwestern College. The library also includes microform and print/scan/copy equipment, classrooms, the U-Record Studio, and a variety of study spaces for students, such as listening and viewing rooms, group study rooms, and a silent study floor.

Campus Services

ACADEMIC COMPUTING

Computers are an integral part of the educational process. To help students make the most of their education at Northwestern, we require each student to have his or her own Windows or macOS laptop computer (**Note:** Chromebooks are strongly discouraged). This laptop must be able to connect to the university network both wired and wirelessly. Wireless network access is available in all buildings. Laptops are required so that students can use the computer wherever they are: class, the library, dorm rooms, or any gathering spot on campus. Some majors have specific computer requirements. Details about general

and major-specific computer standards and requirements can be found at my.unw.edu/pages/information-technology-services and viewing the Information Technology page.

Northwestern provides limited access to general use computer labs, including access to printers. These labs should not be relied on in place of a personal laptop. Labs are found in the Robertson Student Center and the Berntsen Library. There are also specialized computer labs in several departments. Students are allowed to print up to \$30 in printed pages each semester: black and white prints are \$0.05 each; color prints are \$0.15 each. Printing charges over the \$30 allotment will be charged back to their student account. Contact the IT Service Desk Manager for further information on computing on campus.

Northwestern provides each person—student, staff, and faculty—with a password-protected account that allows access to all university computing resources. These resources include the university network; university e-mail; the portal, with access to all electronic tools; Moodle, our online course-management system; the online registration system; the library's online catalog and databases; and many other resources. Northwestern's assigned e-mail account is the institution's official and primary means of communication among students, faculty, staff, and Northwestern administration. As such, all electronic communication from the university to students will be sent to the students' university e-mail addresses. Students are responsible for checking their university e-mail regularly. Students are also to use their UNW assigned e-mail account when communicating within the Northwestern community.

CAMPUS STORE

The Campus Store exists to provide students, faculty, staff, and alumni with Northwestern-branded apparel, school supplies, gifts, snacks, and textbooks for classes.

We are the source for all your textbook-buying needs, offering used, new, rentals, and eTextbooks. Books can be ordered on our website and shipped to you or picked up in the store. We also host a textbook buyback during each finals week in December and May. With our range of merchandise and our exceptional service, we know you will have a great experience at our store!

For more information, visit unwsp.edu/location/campus-store.

DINING SERVICES

Dining Services are a major part of campus life at University of Northwestern, serving thousands of meals each week to our students, faculty, staff, and visitors. Our Billy Graham Community Life Commons has been designed with many amenities to make dining enjoyable. With a homestyle station, pasta station, brick oven pizza, exhibition cooking, deli, grill, salad bar, and bakery, there is something for everyone to enjoy! Areas with soft seating and fireplaces in the main dining room and coffee shop give students space to relax, enjoy snacks, and visit with friends. The building hosts our main cafeteria on the 2nd floor and coffee shop on the main level. The Eagle's Nest is located in the Robertson Student Center, providing options for students in the evenings and on weekends.

The dining program at Northwestern is à la carte, allowing a great amount of flexibility for our students in how they use their dining plan. Meal plan requirements are set based on residential status and classification.

E-MAIL ACCOUNTS AND COMMUNICATION

E-mail is an efficient and effective method of communication. University of Northwestern's assigned e-mail account is the institution's official and primary means of communication among students, faculty, staff, and Northwestern administration. Therefore, Northwestern provides an e-mail account for each registered undergraduate student. This

CAMPUS LIFE

account, represented by a university e-mail address, is the only address that the university (i.e., faculty and staff) will use to communicate electronically with students. Students are held responsible for all information communicated from the university by e-mail.

INSURANCE**ACCIDENT INSURANCE**

The university provides secondary accident insurance coverage for all full-time undergraduate students. Students are enrolled automatically at no additional charge.

Claims **must be submitted to the student's primary carrier first**, and then a secondary claim can be submitted if needed. Claims must be filed within 90 days of the date of accident and can be submitted via e-mail, fax, or mail. **Brochures and claim forms are available in Health Services and athletics.** Contact BMI Benefits: (800) 445-3126 with any questions.

In the event of an accident, the insured should:

1. If at college, report immediately to Health Services so that proper treatment and/or referral can be prescribed or recommended. Athletes should contact Jenny Ryan, Athletic Trainer, jlyryan@unwsp.edu
2. If away from college, consult a doctor and follow the doctor's advice. Notify Health Services within 30 days after the date of the covered accident or as soon thereafter as is reasonably possible.
3. Staple all your EOB and itemized medical and hospital bills to the claim form and mail it to the Claims Administrator: BMI Benefits, P.O. Box 511, Matawan, NJ 07747 Toll Free: 800-445-3126.

INTERNATIONAL TRAVEL MEDICAL INSURANCE

All international students are required to purchase international travel medical insurance. For questions or for more information, contact Health Services at healthservices@unwsp.edu or Alison Putz at alputz@unwsp.edu.

STUDENT EMPLOYMENT

Employment opportunities are available to students both on and off campus. Students can check on University of Northwestern and Northwestern Media employment opportunities through the university website (jobs.unwsp.edu) and off-campus employment opportunities through the Career Development job board platform, Handshake.

ON-CAMPUS OPPORTUNITIES

Student employment at Northwestern is both convenient and flexible, with both academic year and summer employment opportunities. With approximately 800 student positions each year and flexible hours available, on-campus employment offers a wide variety of options and great work experience. Student employment opportunities are available to traditional undergraduate and PSEO/PSOC students enrolled in at least one on-campus course. Students may inquire about job possibilities by visiting our website at jobs.unwsp.edu or my.unw.edu/pages?category=student-employment and viewing the Student Employment page. Students securing on-campus employment will need to provide original I-9 identification documents before they begin working. (Photocopies and expired documents cannot be accepted. A complete list of acceptable documents can be viewed at uscis.gov/files/form/i-9.pdf.)

The Student Employment Office facilitates all on-campus student employment and is located in Riley Hall, R1600. Contact studentemployment@unwsp.edu or 651-631-5296.

OFF-CAMPUS JOBS AND INTERNSHIPS

Career Development offers an online job board, one-on-one coaching, workshops, and other online resources to assist students in their job or internship search. Students connect with employers through job and internship fairs, on-campus recruiting/interviewing, and networking events. All events are found at my.unw.edu/pages?category=career-leadership and viewing the Career and Leadership Development page.

All off-campus employment opportunities are advertised through the Career Development job board and made available to all students. The university does not permit job postings on bulletin boards without the approval of Career Development.

For more information, please stop by Career Development in Nazareth Hall, N4106, call 651-631-5265, or e-mail career@unwsp.edu.

Northwestern students have maintained an excellent work reputation with employers. Employers continue to recruit UNW students because of their talents, skills, ethics, and capabilities.

A student's workload should not detract from his/her academic progress and achievement.

VEHICLES AND PARKING

There are numerous restrictions placed on vehicles that park on the University of Northwestern campus. All UNW students (campus residents and commuters) must register their vehicle with Public Safety and always park in their proper parking lot. Because of the limited availability of parking, students are strongly encouraged to not bring vehicles on campus unless it is absolutely necessary. Resident students with fewer than 30 earned college credits are not allowed to have a vehicle on campus. For complete information on vehicle use and parking on campus, visit unwsp.edu/resources/public-safety/parking-on-campus.

Campus Activities**ALUMNI & PARENT ENGAGEMENT**

The Office of Alumni & Parent Engagement seeks to promote the vision and mission of University of Northwestern by focusing on two vital constituent groups: our alumni and the parents/families of our students. We seek to keep our alumni informed, engaged, and an active part of the Northwestern community. With parents, our office strives to partner together as we continue the mentorship process for each student. Our office is a great place to address questions and concerns and to get involved with campus activities and prayer efforts. Please contact the Office of Alumni & Parent Engagement at alumni@unwsp.edu / 651-631-5236 or parents@unwsp.edu / 651-631-5350.

ATHLETICS

Athletics at University of Northwestern exists to enhance the mission of the university and provide healthy and safe opportunities for men and women. Our staff, coaches, athletes, and fans honor Christ through competitive Christ-like attitudes, sportsmanship, speech, and actions. Daily devotions and prayer, as well as community outreach and missions trips, also make up the uniqueness of university athletics at our institution. Strong emphasis is placed upon the highest type of sportsmanship in intercollegiate and intramural activities. Athletic facilities include the Ericksen Center and Reynolds Field. Intercollegiate competition for men includes baseball, basketball, cross-country, golf, football, lacrosse, soccer, tennis, and track. Intercollegiate competition for women features basketball, cross-country, golf, lacrosse, soccer, softball, tennis, track, and volleyball.

University of Northwestern is a member of the Upper Midwest Athletic Conference (UMAC), National Collegiate Athletic Association (NCAA – DIII) and the National Christian College Athletic Association (NCCAA – DI).

ELIGIBILITY REQUIREMENTS FOR INTERCOLLEGIATE ATHLETICS

Northwestern abides by the eligibility requirements as stated by the National Collegiate Athletic Association (NCAA – DIII) manual. Any student wishing to participate in the intercollegiate sports teams must be enrolled as a full-time student.

To continue eligibility, the student must be in good academic standing (see page 34), be making normal progress towards a degree as defined under the Satisfactory Academic Progress section in the Financial Aid section of the Student Handbook and page 20 of this catalog, and meet all NCAA requirements.

Complete information about eligibility requirements is available from the Athletic Office.

CO-CURRICULAR ACTIVITIES

Matriculated students participating in co-curricular activities must be registered for at least 4 Northwestern credits, not including any co-curricular credit, in order to be eligible to participate in co-curricular activities.

On-campus dual enrollment students participating in co-curricular activities must be registered for at least 4 Northwestern on-campus credits, not including any co-curricular credit, in order to be eligible to participate in co-curricular activities.

Exceptions:

- Students in a Northwestern-recognized dual degree program do not need to be registered for 4 or more credits at Northwestern.
- Students in their last term before graduation are only required to register for credits needed to meet degree requirements.
- Northwestern alumni may participate in Music & Theatre ensembles, with instructor approval, for 0 credit for a course fee (plus any applicable tour costs).

Co-curricular courses are offered on a P/NC (Pass/No Credit) for 1 credit or S/U (Satisfactory/Unsatisfactory) for 0 credits. Exceptions: Music ensemble courses are graded A–F for 1 credit for music majors and minors. Dance Theatre Ensemble is graded A–F for 1 credit. Senior-level media production workshops are graded A–F for 1 credit.

A qualified student may register for co-curricular activities for 0 or 1 credit.

MUSIC

University of Northwestern has a tradition of excellence in choral and instrumental music. All groups, vocal and instrumental, rehearse regularly and prepare concerts for public presentation. Several of the ensembles tour. All students, regardless of major, are eligible for participation through open auditions and with the approval of the conductor.

Major performing ensembles include the UNW Orchestra, Northwestern Choir, Symphonic Band, Con Brio Men's Chorus, and Amata Women's Chorale. Other performing ensembles include the Jazz Ensemble, Brass Choir, Chamber Singers, Chamber Winds, Flute Choir, Opera Workshop, Percussion Ensemble, Drumline, Harp Ensemble, and String Ensembles.

The University of Northwestern is an accredited institutional member of the National Association of Schools of Music (NASM).

For further information, call the Music Office at 651-631-5218 or 888-878-5514 or visit unwsp.edu/music.

STUDENT MEDIA PRODUCTION

The MEL: Media Entertainment Lab is located in the Mel Johnson Media Center and offers a multi-platform media production facility concentrating in the fields of radio/podcasts, film, TV/Video, online journalism and Public Relations. The five different workshops act as media laboratories and help students gain experience in the craft of storytelling. It's a creative place to explore and develop media skills for a variety of different media. The best part is that it's open to all students regardless of major.

The MEL (98.5HD4 and streaming at theMEL.fm) is an award-winning, student-operated radio station serving the UNW community. For students wanting to host a radio show or do play-by-play, Radio & Podcasting Production provides terrific practical experience. Students choose the music, learn how to produce audio, and develop different radio programs and podcasts. The station also broadcasts many UNW sporting events such as football, basketball, and baseball.

Eagle 7 at the MEL (Northwestern Live Workshop) provides experience in television broadcasting and storytelling. Eagle 7 offers weekly news programs, video content, and short documentaries. Each are produced, directed, and reported by students. In addition, students are often involved in televising athletic and other special events on campus.

The Five16 Film Festival (at the MEL) is the highlight of Five16 Film Productions. It delivers students hands-on experience writing, directing, producing, and editing different types of film and video productions. Students work in a variety of roles on film, commercial, and other video productions. In addition, students host the campus-wide Five16 Film Festival—one of Northwestern's signature events.

The MEL Examiner (themel.media) is the student-led online newspaper. The Journalism Workshop provides valuable hands-on experience in writing, editing, and layout. Staff members learn to analyze issues, shape content for an audience, and meet deadlines. While mostly online, the MEL Examiner publishes special edition print editions.

The MEL Agency (Public Relations Workshop) is all about learning the best practices for Public Relations. Students learn how to create PR campaigns to promote various UNW events and utilize a vast array of methodologies through traditional and social media platforms.

STUDENT PUBLICATIONS

Northwestern's student-led newspaper, the *UNW Examiner*, provides valuable hands-on experience in writing, editing, and layout. Staff members learn to analyze issues, shape content for an audience, and meet deadlines. The newspaper is available in print and online. Staff positions are open to students regardless of major.

Students may serve as editors of Northwestern's literary magazine, *Inkstone*, which is published biannually. Students also have the opportunity to submit fiction, non-fiction, poetry, and photography for potential publication in *Inkstone*.

THEATRE ARTS

Students interested in theatre have the opportunity to participate in acting, dance, scenic design, stage lighting, costuming, and other theatre arts. Auditions are open to all students regardless of major. The University of Northwestern theatre season features shows in Knight Performance Hall and in the Patsy Miller Studio, including musicals, classic plays, new scripts, children's shows, a student-directed one-act play festival, and more.

For further information, call the Theatre Office at 651-286-7536 or 888-878-5514 or visit unwsp.edu/theatre.

ADMISSION TO THE TRADITIONAL UNDERGRADUATE PROGRAM

Admission to the Traditional Undergraduate Program

Contact the Office of Admissions at 651-631-5111 or 800-827-6827, admissions@unwsp.edu, or unwsp.edu/admissions.

Applying to Northwestern

Please arrange to have the following sent to the Office of Admissions:

- Biographical and essay portions of the application (unwsp.edu apply)
- Official high school transcript
- ACT/SAT/CLT scores (Northwestern requests, but does not require, the writing section of the ACT exam.)

Prospective students who demonstrate potential to impact the university community through unique abilities, character, skills, or background will be shown preference in the admission process.

The university does not discriminate on grounds of race, color, national or ethnic origin, sex, or disability. Admission to University of Northwestern does not guarantee any unique or specific disability-related accommodations. Prospective students with such concerns should contact Disability Services at 651-631-5292 (see also page 8).

APPLICATION DEADLINE FOR FALL SEMESTER

The New Student application deadline is August 1. However, the university strongly recommends applying prior to May 1. Admission may close prior to the stated deadline.

APPLICATION DEADLINE FOR SPRING SEMESTER

The New Student application deadline is December 15. Admission may close prior to the stated deadline.

APPLICATION DEADLINE FOR SUMMER NURSING PROGRAM

March 16.

Admission Criteria

The following are criteria for admission to Northwestern's traditional undergraduate program:

1. Evidence of a new birth in Jesus Christ.
2. Likelihood of a successful university experience.
3. High school/home school diploma or GED certificate.
4. Transcripts for all courses attempted, whether high school or college.
5. A minimum 2.50 high school cum GPA for all non-transfer applicants or transfer applicants without a post-high school collegiate GPA.
6. A minimum 2.50 cumulative post-high school collegiate GPA for all transfer applicants.
7. A minimum 2.75 cumulative post-high school collegiate GPA for all post-baccalaureate applicants.
8. ACT/SAT/CLT scores for all non-transfer applicants (requested, not required).
9. TOEFL/IELTS/PTE/Duolingo scores as applicable (see Admission of International Students).
10. Ability to contribute to the University of Northwestern "community of excellence."
11. Willingness to contribute to and abide by the patterns of life and conduct of the Northwestern community as outlined in the Declaration of Christian Community found in the application packet and the "Community Guidelines" in the Student Handbook.

Final High School Transcript

The requirement to receive a student's final high school transcript will be waived in the following instances:

- The student has earned a previous bachelor's degree.
- The student is (1) a transfer student and (2) has completed 60+ collegiate credits that are transferable to Northwestern.

Transitional Admission

A limited number of students with below-standard academic credentials may be transitionally admitted, pending an additional review process. Students with GPA of 2.66 or below, if admitted, must be enrolled in certain required classes and will be connected with Academic Achievement staff. Transitional admittance will be applied to transfer students on a case-by-case basis.

Transitionally admitted student requirements will include:

- First-semester enrollment in **Study Strategies course (STS0009)**, which must be successfully completed or repeated in the next semester
- Registration for no more than 15 credits per semester
- Participation in no more than one co-curricular activity per semester
- An assigned co-advisor through Academic Achievement

Other developmental courses may be required of students whose ACT or SAT scores or high school cum GPA in specific categories do not meet the minimum requirements. Transitionally admitted students are required to take the following lab courses as applicable for their academic program requirements:

- **ENG1105L** if ACT English score is 18 or below or ACT English/Writing score is 6 or below (SAT EBRW score of 480 or below or CLT Grammar/Writing score of 20 or below) or if the student's high school cum GPA is 2.66 or below.
- **MAT1005L or MAT1035L** if ACT Math score is 17 or below (SAT Math score of 470 or below or CLT Quantitative Reasoning score of 19 or below) or if the student's high school cum GPA is 2.66 or below.
- **RDG0009** if ACT Reading score is 17 or below (SAT EBRW score of 480 or below or CLT Verbal Reasoning score of 18 or below) or if the student's high school cum GPA is 2.66 or below. An exception is new transfer students who have 30 or more cumulative earned college-level credits at the time of matriculation to Northwestern.

Admission of Non-Degree Seeking Students

The Non-Degree Seeking Student classification at University of Northwestern is designed for persons who desire to enroll for selected courses but do not intend to complete a certificate or degree program. The Office of Admissions will provide an abbreviated form of the application to students applying for this status.

Admission as a Non-Degree Seeking Student does not imply eligibility to complete a certificate or degree program, does not imply eligibility for financial aid, and does not grant eligibility to participate in intercollegiate athletics.

Admission of International Students

The university is authorized under federal law to enroll nonimmigrant students. In addition to the regular admission criteria outlined on pages 12–14, additional admission procedures are necessary for students who are not citizens of the United States. Evidence of sufficient financial resources must be presented prior to admission and before student visa arrangements can be made. International students are encouraged to have all processes completed by April 1 for fall semester enrollment.

For those whose native language is not English (e.g., International Student, Refugee, Political Asylee, Permanent Resident, or Non-resident Alien), English language proficiency must be demonstrated by taking one of the following exams:

- A minimum score of 530 on the paper-based Test of English as a Foreign Language (TOEFL), 197 on the computer-based TOEFL, or 71 on the Internet-based TOEFL.
- A minimum score of six on the International English Language Testing System (IELTS).
- A minimum score of 50 on the Pearson Test of English Academic (PTE).
- A minimum score of 100 on the Duolingo English Test (approved for fall 2020 to summer 2024 admission to UNW).

The TOEFL/IELTS/PTE/Duolingo requirement may be waived for the following reasons:

- Student is from a recognized English-speaking country (see Admissions for a list of identified countries).
- Student has successfully completed an English writing course with a grade of C- or better and has earned a minimum of 12 credits from an accredited U.S. college/university.

In the absence of any ACT/SAT score or writing placement examination or if the student's high school cum GPA is 2.66 or below, all students for whom English is not the first language are required to start their English composition sequence with ENG1105 and LAN1105L.

Postsecondary Enrollment Options (PSEO)

The state-funded PSEO program offers Minnesota high school juniors and seniors an opportunity to achieve academic goals early by earning college credit while in high school.

Northwestern offers online, on-site, and on-campus courses that are approved for high-school students' participation through PSEO.

Admission as a PSEO student does not imply eligibility to complete a certificate or degree program, eligibility for financial aid, or eligibility to participate in intercollegiate athletics.

Contact an admission counselor for Dual Enrollment at 651-631-5126 or 800-827-6827. See also pages 38 and 143.

Early College

High school juniors and seniors who are residents outside the State of Minnesota and who would like to take summer courses or take non state-approved courses can earn college credit while in high school through the Early College program.

Admission as an Early College student does not imply eligibility to complete a certificate or degree program, eligibility for financial aid, or eligibility to participate in intercollegiate athletics.

Contact an admission counselor for Dual Enrollment at 651-631-5126 or 800-827-6827. See also pages 38 and 143.

Admission of PSEO and Early College Students

The following are the qualifications for Northwestern's **Online and On-site PSEO and Early College programs**:

1. High school cum GPA of 2.75
2. ACT/PLAN/PreACT score of at least 18, ACT Aspire score of at least 427, or SAT/PSAT score of at least 940. Additional assessments for home and private school students—contact Admissions for these other accepted tests.
3. Cumulative university GPA of 2.0 or higher to stay in the program

ADMISSION TO THE TRADITIONAL UNDERGRADUATE PROGRAM | UNIVERSITY COSTS

The application deadline for the fall semester is July 15.
 The application deadline for the spring semester is December 1.
 The application deadline for the summer semester is April 15 (Early College).

The following are the qualifications for Northwestern's **on-campus PSEO and Early College programs**:

1. Minimum high school cum GPA of 3.3
2. ACT/PLAN/PreACT score of at least 22, ACT Aspire score of at least 434, or SAT/PSAT score of at least 1090
3. Ability to commute to and from Northwestern's campus; residential option available to seniors who will be 17 by the first day of class
4. Demonstrate an excellent "fit" with the Northwestern community as determined by the Admission Committee
5. Junior or senior in high school and at least 15 years old at the time of enrollment
6. Enroll in a minimum of six on-campus credits at Northwestern (once admitted into the program)
7. Cumulative university GPA of 3.0 or higher to stay in the program

The application deadline for the fall semester is April 1 for priority consideration or June 1 for regular consideration.

The application deadline for the spring semester is November 15.

Credit by Examination (AP/CLEP/DSST/IB)

Credit for selected courses may be secured by students who demonstrate competency by means of scores on standardized examinations such as Advanced Placement (AP), International Baccalaureate (IB), College

Level Examination Program (CLEP), and DSST, or by locally constructed examinations (see also page 46). A student may receive a maximum of 32 credits by these means. Specific information, including courses and requirements, may be secured from the Registrar. Credits may not be earned through CLEP or DSST examinations whose content duplicates credit previously earned.

Further information is available at unwsp.edu/academics/registrar/credit-by-examination/.

Credits – Other

The American Council on Education's (ACE) College Credit Recommendation Service and the National College Credit Recommendation Service (NCCRS) evaluate civilian and military training and education programs and examinations offered outside the traditional classroom setting and translate them into college credit equivalencies. University of Northwestern considers the credit recommendations from ACE and NCCRS for possible awarding of credit.

Readmission

Students wishing to be readmitted after an absence of one semester or more must complete the re-enrollment form. This form can be accessed at unwsp.edu/registrar.

A student who has been academically suspended may petition for readmission to the university two semesters after termination using the Re-enrollment form. Summer sessions are not counted in the required two semesters. Evidence must be supplied to support the request. The best evidence is university-level academic courses with above-average grades.

University Costs

University of Northwestern offers quality education, comfortable housing, and excellent meals at the lowest possible cost. Charges listed are for the 2023–2024 school year.

Nursing Tuition & Related Charges**TRADITIONAL UNDERGRADUATE PER SEMESTER****SUMMER 2023 TUITION**

12–18 billed credits	\$17,245
Per credit 19 or over	\$950
Per credit 11 or fewer	\$1,475

FALL, SPRING, SUMMER 2023–2024 TUITION

12–18 billed credits	\$17,985
Per credit 19 or over	\$975
Per credit 11 or fewer	\$1,520

POST-BACCALAUREATE PER SEMESTER (FALL, SPRING, SUMMER)

(per NUR credit)	\$645
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NURSING ADMINISTRATIVE FEE*	\$2,000
(one-time, non-refundable)	

CLINICAL FEE (per clinical course)	\$260
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CLINICAL MAKEUP FEE (per hour)	\$50
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NURSING ATI FEE (per term)	\$700
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TRANSCULTURAL TRIP FEE	\$1,500
(per terms 1, 2, and 3. First-time enrolled only. Students exiting the nursing program prior to scheduled trip may request refund on the Transcultural Trip Fee. Amount returned is evaluated on a case-by-case basis.)	

*Nursing Administrative Fee and Student Activity Fee do not apply to Post-Baccalaureate students.

Traditional Undergraduate Tuition, Room, & Board & Other Charges Per Semester

TUITION (NON-NURSING MAJORS)

12–18 billed credits	\$17,985
Per credit 19 or over	\$975
Per credit 11 or fewer	\$1,520
Summer school per credit	\$540

HOUSING

Standard Room	\$3,250
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MEAL PLAN REQUIREMENTS*

Residential Students:	Dining Funds	Dining Fee	Total Cost/ Semester
First Year Resident	\$1,860	\$464	\$2,324
Non-First Year Resident ($<$ 21 AS OF FIRST DAY OF FALL CLASSES)	\$1,460	\$363	\$1,823
Non-First Year Resident (\geq 21 AS OF FIRST DAY OF FALL CLASSES)	\$298	\$74	\$372
Commuter Students:	Dining Funds	Dining Fee	Total Cost/ Semester
First Year Commuter	\$320	\$80	\$400
Non-First Year Commuter	\$298	\$74	\$372
PSEO Commuter (OPTIONAL)	\$115	\$27	\$142

*MEAL PLAN INFORMATION

Dining Funds: These are the funds students use to purchase food in any of the dining locations on campus. Students receive a 20% discount at the cash register and are not subject to sales tax when paying with dining funds. Students can add dining funds at any time during the semester, for an additional cost.

Dining Fee: This fee covers utility costs, facility maintenance costs, equipment purchases and repairs, and administrative costs in the dining facilities.

Exceptions to Meal Plan Requirements

- Any commuter student who has class on campus fewer than two days per week may apply for an exemption.
- Students with serious medical dietary conditions may request an adjustment or an exemption. These are evaluated on a case-by-case basis.
- Students in the Post-Baccalaureate Nursing program have the option to purchase a meal plan.

A **residential student** is any student living in University of Northwestern residence halls.

A **commuter student** is any student living off campus who is enrolled as a traditional undergraduate student and taking 12 or more credits, including both Traditional Undergraduate and Dual Enrollment credits.

FEES AND OTHER CHARGES

GENERAL

Chapel Fine	\$10
Diploma Replacement Fee	\$10
Enrollment Deposit	\$200
(BEFORE INITIAL REGISTRATION, APPLIED TO FIRST SEMESTER TUITION)	
Excess Printing Fee	\$0.05 (B&W) / \$0.15 (color)
(PER PAGE FEE IN EXCESS OF \$30 PER SEMESTER)	

Graduation Fee—Administrative (GRADUATE)	\$100
Graduation Fee—Administrative (UNDERGRADUATE)	\$75
Health Fee (PER SEMESTER)	\$175
Lost MC Key during School Year	\$8
Lost Room Key during School Year	\$25
Miscellaneous Fees	vary by activity
Non-Returned MC Key at Student Departure	\$25
Non-Returned Room Key at Student Departure	\$50
Off-Campus Studies Administrative Fee (NONREFUNDABLE)	\$750
Parking Fee Commuter (PER SEMESTER)	\$155
Parking Fee Resident (PER SEMESTER)	\$185
Payment Plan Fee	\$50
Replacement ID Card	\$25
Student Activity Fee (PER SEMESTER)	\$95
Technology Fee—Resident (PER SEMESTER)	\$160
Technology Fee—Commuter (PER SEMESTER)	\$115
Transcript Fee	varies by service requested

COURSE-/PROGRAM-RELATED

Art Studio and Lab Fee (PER COURSE)	\$75
ART2048 Ceramics I Course Fee	\$125
ART3243 Ceramics II Course Fee	\$125
Band, Choir, Orchestra Fee	\$10–\$20
BJ04841 Research Fee	\$200
BUS3005 Leadership Assessment Fee	\$35
BUS3835 Professional Skills Course Fee	\$50
CHE1021, CHE1022 Course Fee	\$75
CHE4841 Research Fee	\$200
CYS3265 Course Fee	\$100
DAL-Prefix Course Fee (DAL2235, DAL3255, DAL4235, DAL4275)	\$200
Directed Study Processing Fee	\$50
Education Program Fee (PER SEMESTER)	\$225
EGR-Prefix Course Fee (PER COURSE—ALL EGR COURSES EXCEPT EGR2107, EGR4995)	\$200
ICS3065 Introduction to Teaching English Course Fee	\$300
ICS3209 Urban Community Development Course Fee	\$200
Laboratory Fee—All Sciences with ‘L’ Designation	\$200
LDR1011, LDR2112 Leadership Course Fee	\$25
LDR1015, LDR1825, LDR3415, LDR4425, LDR4825 Leadership Course Fee	\$50
MEN3002 Men's Chorus Tour	\$75
MEN3003 Women's Chorale Tour	\$75
MIN3216 Leadership Course Fee	\$40
MIN3227 Camping Fee	\$95
MIN3231 Care and Counseling Course Fee	\$100
MIN5210U Leading and Organizing Ministry Course Fee	\$40
PHE1057 Golf Fee	\$55
Private Music Instruction Fee (SURCHARGE PER CREDIT—MUSIC MAJOR LEVEL LESSONS)	\$400
Private Music Instruction Fee (SURCHARGE PER CREDIT—MUSIC MINOR AND ELECTIVE LEVEL LESSONS)	\$450
Private Music Instruction Fee (SURCHARGE PER CREDIT—MUSIC SECONDARY LEVEL LESSONS)	\$350
Theatre/Dance Performance Fee (PER COURSE)	\$75
THE1055 Theatre Course Fee	\$50
Tutorial Processing Fee	\$50

SUMMARY OF TRADITIONAL UNDERGRADUATE CHARGES FOR THE YEAR

Tuition (non-nursing)	\$35,970
Room	\$6,500
Board	\$4,648
Technology Fee	\$320
Health Fee	\$350
Student Activity Fee	\$190
Total	\$47,978

UNIVERSITY COSTS

Dual Enrollment Tuition & Other Charges

TUITION

Per Online Credit \$440

EARLY COLLEGE TUITION

Per Online Credit \$230

Early College students pay for their own textbooks.

OTHER CHARGES

Graduation Fee – Administrative (UNDERGRADUATE) \$75

Online Course Technology Fee (PER CREDIT) \$15

Billing Notifications

Since billing is electronic, students are responsible to check their student account activity and view their online billing statement on a monthly basis. New eBills are generated the first week of every month and email notifications are sent to the student's university email if a balance is due at the end of the month.

Payment of Accounts

In order to help students and their families make convenient arrangements for payment of their educational expenses, University of Northwestern offers two options:

1. University of Northwestern's first option requires full payment for fall semester by August 31, 2023 and full payment for spring semester by January 31, 2024. With this payment option, a \$40 late payment fee will be assessed on any unpaid balance.
2. Monthly payment plans are available, and there is a \$50 enrollment fee per semester. Deadline for fall enrollment is August 30, 2023 and January 30, 2024 for spring semester. Students must reenroll in a payment plan each semester. If an installment is missed or is late, a \$10 late fee will be assessed for each installment payment that is late. **Information about monthly payment plans may be obtained from Student Accounts at 651-631-5352 or studentaccounts@unwsp.edu.** Payments can be made in person, by mail, online, or by phone.

Delinquent Accounts

All bills are due in full by the last day of the month. If enrolled in a payment plan, the scheduled installment amount is due by the last day of each month to avoid a late fee. Students are not eligible to register for the next semester or obtain their diploma until their student account balance is paid in full or their payment plan is made current. Delinquent account balances will be transferred to ECSI for future monthly billing for nonregistered students.

Historically, University of Northwestern has had minimal difficulty receiving total payment on an account as the university makes every effort to work with students to resolve any difficulties they may have

in paying their account in full. It is Northwestern's policy to pursue the collection of all funds due. In the event a student account is past due, the university will send the account to a collection agency. If the collection of the past due account is unsuccessful, the university will pursue legal action. While these actions are not taken lightly, it is University of Northwestern's obligation to its other students and supporters, as a good financial steward, to pursue the collection of all student accounts.

Enrollment Deposit

In order to secure a place in the University of Northwestern student body, a \$200 enrollment deposit is required by May 1 for new students entering fall semester and prior to initial registration for new students entering spring semester. This deposit will be applied to the first semester's tuition following the first day of the semester.

Refund of Deposit

New students who cancel their admission receive full refund of the enrollment deposit if the written notice of cancellation is postmarked to the Office of Admissions no later than May 1 for fall semester or prior to registration for spring semester.

Refund of Tuition and Fees

SEE 2023–2024 CHARTS ON PAGE 17

If a student withdraws from a course after classes begin, a refund of the tuition, if any, is determined as of the withdrawal date. Fees are non-refundable after the 100% refund period (see page 17).

If a student needs to withdraw from the university, the student must complete a withdrawal form online. The tuition refund is based on the student's effective withdrawal date as approved by the Director of Traditional Student Retention or a Student Life Dean. Board and room payments are refunded in proportion to the time the student has been in residence.

Within a month after termination, the student will receive either a bill or refund check. A student account balance that is not paid in full within sixty days is transferred to ECSI for future monthly billing. The student account must be paid in full before a diploma can be released. Questions may be directed to Student Accounts at 651-631-5352 or studentaccounts@unwsp.edu.

There is no charge for a second-half-semester course cancelled during the first half of the semester.

Refund Policy

In the event that a student withdraws from the university, there is a calculation to determine what portion(s) of financial aid will be returned to the respective aid programs. The Financial Aid Office will determine this.

TRADITIONAL UNDERGRADUATE AND DUAL ENROLLMENT (SEMESTER-LENGTH COURSES) 2023–2024 REFUND

SEMESTER	%REFUND		QUAD*	%REFUND					
	Fall	Spring		Q1 (Fall)		Q2 (Fall) & Extended Registration	Q3 (Spring)	Q4 (Spring) & Extended Registration	
Week 1–2	100%	–Sept 13	–Jan 29	Days 1–6	100%	–Sept 7	–Nov 1	–Jan 23	–Mar 25
Week 3	70%	Sept 14–20	Jan 30–Feb 5	Days 7–8	70%	Sept 8–11	Nov 2–5	Jan 24–25	Mar 26–27
Week 4	60%	Sept 21–27	Feb 6–12	Days 9–10	60%	Sept 12–13	Nov 6–7	Jan 26–29	Mar 28–31
Week 5	40%	Sept 28–Oct 4	Feb 13–19	Days 11–13	40%	Sept 14–18	Nov 8–12	Jan 30–Feb 1	Apr 1–3
Week 6	20%	Oct 5–11	Feb 20–26	Days 14–15	20%	Sept 19–20	Nov 13–15	Feb 2–5	Apr 4–9
Week 7	0%	Oct 12 or after	Feb 27 or after	Day 16	0%	Sept 21 or after	Nov 16 or after	Feb 6 or after	Apr 10 or after

*QUAD = HALF-SEMESTER. SEE PAGE 2. NOTE: REFUNDS FOR OTHER ABBREVIATED CLASSES FOLLOW A PRORATED VERSION OF THE BELOW SCHEDULE.

NURSING SUMMER 2023 SEMESTER REFUND (Term 1: Begin Date May 15) NURSING SUMMER 2023 SEMESTER REFUND (Term 4: Begin Date May 30)

% Refund			% Refund		
Week 1–2	100%	–May 29	Week 1–2	100%	–June 12
Week 3	70%	May 30–June 5	Week 3	70%	June 13–19
Week 4	60%	June 6–12	Week 4	60%	June 20–26
Week 5	40%	June 13–19	Week 5	40%	June 27–July 4
Week 6	20%	June 20–26	Week 6	20%	July 5–11
Week 7	0%	June 27 or after	Week 7	0%	July 12 or after

NURSING SUMMER 2024 SEMESTER REFUND (Term 1: Begin Date May 20) NURSING SUMMER 2024 SEMESTER REFUND (Term 4: Begin Date June 4)

% Refund			% Refund		
Week 1–2	100%	–June 3	Week 1–2	100%	–June 17
Week 3	70%	June 4–10	Week 3	70%	June 18–24
Week 4	60%	June 11–17	Week 4	60%	June 25–July 1
Week 5	40%	June 18–24	Week 5	40%	July 2–9
Week 6	20%	June 25–July 1	Week 6	20%	July 10–16
Week 7	0%	July 2 or after	Week 7	0%	July 17 or after

FINANCING THE COST OF EDUCATION

Financing the Cost of Education

A student needing financial aid should begin the process of seeking assistance from all possible sources as early as possible. Financial aid comes in a variety of forms—scholarships, grants, loans, and work-study programs. Recipients of such assistance are selected on the basis of need, academic performance, or special qualifications. Students can complete their Free Application for Federal Student Aid (FAFSA) starting in December, prior to the academic year for which students need financial aid. This is also a good time to look and apply for outside scholarships. Students receiving financial aid must maintain satisfactory progress toward degree completion as defined in the Student Handbook. 100% of the students at Northwestern receive some form of financial aid, which could include, scholarships, grants, work study, and loans, to help with their university costs.

Government Financial Aid

University of Northwestern students are eligible for student aid programs financed through federal and state governments. The Free Application for Federal Student Aid may be filed online at studentaid.gov/h/apply-for-aid/fafsa or on paper. Call the Federal Student Aid Information Center at 800-433-3243 to obtain a paper copy.

Early completion of all application forms is encouraged in order to expedite notification of acceptance and processing of financial aid. Financial aid cannot be awarded until a student has been accepted for admission. Application for financial aid can be made after December 1 for the following fall semester. Financial aid packages are awarded to new students beginning late fall.

(NOTE: THE AID PROGRAMS LISTED ARE EFFECTIVE FOR THE 2023–2024 ACADEMIC YEAR. THE PROGRAMS ARE SUBJECT TO CHANGE.)

The university is responsible to administer aid under federal and state regulations. Legislation may change provisions of financial aid programs from time to time, which can result in changes to student awards that are beyond the control of the university or the Financial Aid Office. The following aid programs are available:

The **Federal Pell Grant** program provides grants to eligible students. If eligible for the Pell Grant, a student must maintain 12 or more credits per semester in courses that fulfill his or her program's degree completion requirements to receive the maximum grant amount. If enrolled in less than 12 credits of courses in his or her degree completion requirements, a student will receive a prorated amount per credit.

The **Federal Supplemental Educational Opportunity Grant** program provides grants for students with exceptional financial need. If eligible for the FSEOG Grant, a student must maintain 12 or more credits per semester in courses that fulfill his or her program's degree completion requirements to receive the maximum grant amount. If enrolled in less than 12 credits of courses in his or her degree completion requirements, a student will receive a prorated amount per credit.

The **Federal and State College Work Study** program subsidizes the on-campus employment earning of students with financial need.

Direct Lending (DL)

The **Federal Direct Student Loan (DL)** program provides college loans through the U.S. Department of Education.

The **Parent Loan to Undergraduate Students (PLUS/DL)** program enables parents to borrow funds for their students through the U.S. Department of Education.

For Minnesota Residents only:

The **Minnesota State Grant** program provides grants for eligible students. This must be applied for through the university financial aid application process. To receive the maximum amount of the State Grant, a student **MUST** be registered for a minimum of 15 credits each semester (this includes remedial courses [e.g., STS0009, etc.]). In addition, ALL 15 credits must apply to the student's degree completion at UNW. If a student takes fewer than 15 credits in a term, or not all of the student's 15 credits apply to degree completion, he or she will receive a prorated award based on state guidelines, which in some cases could be a total loss of State Grant for the term.

The Minnesota Dream Act provides state financial aid for students who meet the definition of Deferred Action on Childhood Arrivals (DACA). To apply, students must complete the online MN Dream Act Application at www.ohe.state.mn.us/mPg.cfm?pageID=2056.

In addition to MN Dream Act funds, students may also be eligible to receive Northwestern scholarships and Northwestern Grant. These students are not eligible for federal financial aid.

Please refer to unwsp.edu/financial-aid for further information.

New Students

EAGLE SCHOLARS HONORS PROGRAM

Admitted students with a minimum ACT composite score of 28 or higher, an SAT score of 1330 or higher, a CLT score of 88 or higher, OR an unweighted high school cum GPA of at least 3.75 with evidence of advanced study (college preparatory curriculum, AP coursework, honors coursework, early college, concurrent enrollment, Post-Secondary Enrollment Option, etc.) are encouraged to apply to the Eagle Scholars Honors Program. Eligible students must attend Northwestern as a traditional student for at least two years after entering the program. The scholarship is renewable annually with successful involvement in the program, including a cumulative GPA of 3.65 or higher. Visit unwsp.edu/honorsprogram for details and application instructions.

Other First Year Student Scholarships

University of Northwestern has established four-year renewable awards, awarded by the Office of Admissions. The intent of these scholarships is to acknowledge students' academic achievement in high school and encourage them with a four-year commitment from the university.

The names and criteria for the following scholarships are effective for new Northwestern students enrolling in fall 2023. Financial aid recipients prior to fall 2023 are governed by the scholarship names and terms awarded when they enrolled.

FIRST-TIME FRESHMEN*

Scholarships are based on unweighted high school cum GPA and scores received on the ACT, SAT, and/or CLT exams.

Scholarship	Amount
Presidential Scholarship	\$16,000
Deans Scholarship	\$14,000
Faculty Scholarship	\$12,000
Founders Scholarship	\$9,000
Directors Grant	\$5,000

*STUDENTS WHO HAVE EARNED COLLEGE CREDIT BEFORE GRADUATING FROM HIGH SCHOOL ARE CONSIDERED FRESHMEN FOR SCHOLARSHIP PURPOSES.

TRANSFER SCHOLARSHIPS

Students who have earned college credit from a different college or university after graduating from high school are eligible for a Transfer Scholarship.

Scholarship	Amount
Presidential Scholarship	\$16,000
Deans Scholarship	\$14,000
Faculty Scholarship	\$12,000
Founders Scholarship	\$9,000
Directors Grant	\$5,000

All students will receive a commitment until the projected completion of the program at Northwestern, provided a 2.0 cumulative GPA is maintained. Northwestern will honor scholarships for students in academic programs that extend beyond four years.

PITTMAN SCHOLARS GRANT

The Pittman Scholars Grant is a financial award of 75 percent of tuition cost, including federal and state grants, but not including room and board cost. This award is not available to students who were admitted to UNW for any semester prior to fall 2020.

Eligible students must meet the following criteria:

- Be admitted to UNW and be eligible for the Pell Grant
- Parents did not complete a four-year college degree
- Be a MN resident
- Be a US citizen, US permanent resident, or have Resident Alien status
- Must complete the Free Application for Federal Student Aid

Interested students should contact their admission counselor to receive information on grant application deadlines.

MOSAIC LEADERSHIP SCHOLARSHIP

Presented every year to new incoming students who demonstrate a vested interest in diversity, inclusion, leadership, and belonging. The online application is available starting in August and closes in December. Interested students should contact their Admissions Counselor for additional information. This award is not available to students who were admitted to UNW for any semester prior to fall 2022.

International Students

Most international students are not eligible to receive state or federal assistance; however, they may be eligible to receive various forms of University of Northwestern aid based on financial aid information collected by the Admissions office. International students may also qualify for up to 20 hours of work on campus per week.

New & Continuing Students**EAGLE SCHOLARS HONORS PROGRAM
CURRENT STUDENT OPPORTUNITY**

This is an opportunity for students to apply or reapply for Northwestern's Honors Program at the end of their first year at Northwestern. To be eligible to apply, students, by the end of their first year as a traditional student at Northwestern, must have completed a minimum of 30 credits in the Northwestern traditional undergraduate program, maintained a GPA of 3.75 or higher, taken at least four honors courses in three different disciplines, and attended at least six Honors Seminar events. Eligible students must attend University of Northwestern for at least three years, including the year as a Current Student applicant. For the students selected, the scholarship is renewable annually with successful involvement in the program, including a cumulative university GPA of 3.65 or higher.

NORTHWESTERN SCHOLARSHIPS

Northwestern scholarships are awarded out of the endowment funds to continuing students. Students apply for this each year in the fall and are awarded on the basis of their qualification for a particular scholarship.

TUITION DISCOUNT GRANTS

Tuition Discount Grants are available: **\$1,500/year**

1. Christian Worker's Discount: Students whose parents are employed in full-time Christian service as pastors or missionaries.
2. Legacy Grant: Students with at least one parent who completed at least one term of attendance at Northwestern.

MUSIC SCHOLARSHIPS Up to \$8,000

Merit-based music scholarships are available to music majors/minors and music ensemble participants, to both new and continuing students, typically ranging from \$1,000 to \$8,000 annually. In addition, selected students receive a renewable \$1,500 UNW Music Grant that can offset private lesson study at UNW. New students are awarded scholarships through the music audition application process. Returning students apply online through a link sent from music office staff. For details visit unwsp.edu/music/scholarship or call the Music Office at 651-631-5218 or music@unwsp.edu.

THEATRE ARTS SCHOLARSHIPS Up to \$6,000

Scholarships are awarded each year to incoming theatre majors and minors through an audition process. These awards carry the expectation of active involvement on stage and/or backstage. For details, visit unwsp.edu/theatrescholarship or contact the Theatre Office at 651-286-7536 or theatre@unwsp.edu.

UNIVERSITY OF NORTHWESTERN GRANT PROGRAM

The University of Northwestern Grant Program provides grants to eligible students who show need. Consideration for this grant is given through the regular financial aid process. If a student is awarded a UNW Grant, and the student receives additional UNW scholarships, tuition discounts and/or military benefits after being awarded the UNW Grant, the UNW Grant may be re-calculated. This may mean a reduction or total loss of UNW Grant.

Continuing Students**ACT SIX LEADERSHIP & SCHOLARSHIP INITIATIVE**

The Act Six Leadership & Scholarship Initiative connects urban ministries and faith-based universities in order to recruit, select, and equip the most promising student leaders to provide transformative leadership for the university campus and their home communities. Act Six launched at University of Northwestern in 2014 in partnership with Urban Ventures to annually enroll a cadre of emerging urban

FINANCING THE COST OF EDUCATION

leaders from the Twin Cities by providing full-need scholarships. Act Six advances Northwestern's commitment to equip all students to be intellectually, spiritually, and culturally competent global citizens and to give God-honoring leadership in the home, church, community, and world.

LEADERSHIP AWARDS

Approximately 50 of these competitive awards were presented to each year to new incoming students who demonstrated leadership experience. This scholarship is no longer being offered to new students, but continuing students who were awarded this scholarship for their first year at UNW may continue to receive this award.

Study Abroad and Off-Campus Study

Students may be considered for financial assistance for full-time off-campus study. In order to be considered for financial assistance (e.g., federal, state, etc.) through University of Northwestern, the program must be recognized by the university and the student must meet program qualifications. In order to be considered for institutional financial assistance, the student must have established at least one semester of enrollment on campus.

There are specific policies followed for the awarding of aid for study abroad and off-campus study. UNW will pay the off-campus program fees to the off-campus program on behalf of the student. Students are then charged for UNW tuition, UNW housing, the Off-Campus Administrative Fee and an Off-Campus Program Fee for the semester they study abroad. Students must fill out the Off-Campus Studies Assistance form for evaluation of eligibility. For students who meet eligibility requirements, the full amount of the Pell Grant, State Grant, UNW institutional aid and federal loans will be applied to the bill issued by UNW.

If a student chooses to withdraw from their study abroad or off-campus study program, the student is financially responsible for any and all cancellation fees that may be assessed by their study abroad or off-campus program. UNW will pay any cancellation fee(s) to the study abroad or off-campus study program and then bill the student for the cancellation fee(s).

Other Financial Aid Considerations

Students should investigate local scholarship programs sponsored by businesses, industries, and other organizations.

University of Northwestern qualifies for educational benefits provided by the Social Security Administration, Division of Rehabilitative Services, and the Bureau of Indian Affairs. Additionally, Northwestern is approved by the Minnesota State Approving Agency for Veterans' Educational Benefits.

ROTC Scholarships

The Air Force ROTC at the University of St. Thomas and the Army ROTC at the University of Minnesota offer scholarships to students accepted into these programs, including those enrolled at other colleges. For further information about the Air Force ROTC, contact the Department of Aerospace Studies, University of St. Thomas, St. Paul, MN 55105, 651-962-6320, afrotc410@stthomas.edu. For further information about the Army ROTC, contact the Department of Military Science, University of Minnesota, Minneapolis, MN 55455, adejesus@umn.edu, 612-386-8491.

Federal Shopping Sheet

The Federal Shopping Sheet is a standardized federal award notice displaying simplified financial aid information for prospective U.S. citizens and permanent residents who have applied to multiple

institutions. The Shopping Sheet is intended to be used as a tool to compare the net cost (total cost minus grants and scholarships) at each institution. It is provided to comply with the requirements of the Principles of Excellence program that UNW participates in with the U.S. Department of Veterans Affairs.

Contact the Financial Aid Office for instructions on locating the Federal Shopping Sheet at myUNW.

Students Taking a Combination of Course Venues

University of Northwestern has four different venues of education: Graduate Studies, Adult Undergraduate, Traditional Undergraduate, and Dual Enrollment. In the event that a traditional undergraduate student takes a combination of courses from the different venues offered by University of Northwestern, their financial aid will be recalculated based on credit load from each venue. Example: If a student has been awarded traditional undergraduate institutional assistance (grants, scholarships, and discounts from the university), they may experience a reduction in that funding due to the number of credits taken in Traditional Undergraduate and Dual Enrollment courses. Please check with the Financial Aid Office on the eligibility of aid based on the combination of courses.

Traditional Undergraduate Students Taking Dual Enrollment (DE)

Traditional undergraduate students taking DE credits **only** will **not** be eligible for institutional aid funds (University of Northwestern grants, scholarships and discounts) but may be eligible for federal and/or state aid and loans. Students taking a combination of traditional undergraduate courses (on campus) and DE courses (online) may receive a prorated amount of institutional aid. Dual Enrollment credits are charged separately from traditional undergraduate credits. See pages 15–16 for information on price differences.

INSTITUTIONAL FINANCIAL AID PRORATION TABLE

Number of credits in the Traditional Undergraduate program	Percentage of Northwestern institutional aid funds awarded
12 credits and up	100%
9–11	75%
6–8	50%
<6	0

Satisfactory Academic Progress

The Code of Federal Regulations, title 34, sections 668.34 requires that an institution establish, publish, and apply reasonable standards for measuring whether students are maintaining satisfactory academic progress (SAP) in their course of study in order for students to receive financial aid under a Title IV program of the Higher Education Act. Minnesota Statute 136A.101 Subd. 10 applies this federal SAP regulation to Minnesota financial aid programs. Northwestern applies this federal SAP regulation to institutionally-controlled financial aid programs.

Federal regulations require that all financial aid recipients progress at a reasonable rate ("make satisfactory progress") toward achieving a certificate or degree. This requirement applies to all semesters regardless of whether or not students received financial aid. Progress is measured by (1) the cumulative grade point average, (2) the number of credits earned in relation to those attempted, and (3) the maximum time frame allowed to complete the academic program.

Official satisfactory academic progress checks are performed at the end of each semester (payment period) by the Financial Aid Office.

QUALITATIVE MEASURE (CUMULATIVE GRADE POINT AVERAGE)

Grade point average is calculated by the Registrar's Office. Students who drop below the following minimum cumulative GPA at the end of any semester or summer session will be placed on financial aid warning.

Credits Attempted	Required Cumulative Grade Point Average
0–15	1.600
16–29	1.700
30–44	1.800
45–59	1.900
60+	2.000
2+ and above (Graduate)	3.000

QUANTITATIVE MEASURE (CUMULATIVE CREDITS EARNED)

The quantitative measure includes both the pace at which credits are completed and the maximum time it should take students to complete their degrees. If students complete 67% of attempted credits, they will complete their degrees within the maximum time frame (see below). Pace is calculated by dividing completed credits by total attempted credits, including transfer credits and remedial credits. Students who fail to complete the required percent of credits as defined below will be placed on financial aid warning.

Attempted Credits	Required Completion
All attempted credits (all programs)	67%

3. MAXIMUM TIME FRAME

Students are expected to complete their program of study within the normal time for completion (150% of program length published in the catalog). This applies to graduate students as well. Part-time attendance counts toward this calculation. In evaluating maximum time frame, all attempted credits are counted, including transfer credits. If a student reaches the maximum attempted credits allowed for the program the student is in, future Title IV eligibility is denied. UNW's policy is for institutional aid to coincide with Title IV aid in this. Students are allowed to appeal if the maximum time frame has been reached due to extenuating circumstances, and subsequently set up an academic plan if the appeal is approved.

Students become ineligible for financial aid at the time when it's determined that they are unable to complete their degree within the maximum time frame as indicated below.

Degree Type	Required Credits	Maximum Credits Attempted
Undergraduate Certificate	18-30	27-45
Associate	60	90
Bachelor	125	188
Graduate Certificate	14–16	21–24
Master	30–76	45–114

TREATMENT OF COURSES

The information below defines how specific courses are taken into account for the purpose of SAP standards.

Withdrawals

Courses in which students withdraw are counted as attempted credits but not earned credits.

Incompletes

Courses in which students receive an incomplete are counted as attempted credits but not earned credits. Incompletes will be re-evaluated at the subsequent SAP review. Changes in grades will be considered along with a SAP appeal if the grade change makes the student eligible for aid. Per Northwestern policy, incomplete course grades are rolled to failing course grades if not complete by the timeline set by the Registrar's Office.

Repeated Courses

Courses that are repeated are counted as attempted credits. However, only the last reported grade will be included in the GPA.

Audited Courses

Courses that are audited do not count as attempted credits or earned credits.

Transfer Credits

Transfer credits (including PSEO, AP, CLEP, and DSST) accepted from other schools are counted toward completion of the degree as both attempted credits and earned credits.

PSEO/PSOC Courses

PSEO/PSOC courses taken at Northwestern are treated the same way as any course taken at the university, which means GPA and number of credits attempted and earned will be included for SAP once students have completed one semester beyond high school.

Remedial Courses

Remedial courses are counted as both attempted credits and earned credits.

Second Degree

Students may attempt up to 150% of the credits required for a subsequent program of study (188 credits for a baccalaureate degree, plus an additional 188 credits for a second baccalaureate degree). Students who already have a first baccalaureate degree are eligible for loans (not grants).

Consortium Coursework

Courses taken through a consortium agreement are treated as transfer courses. This means they will apply to the quantitative measure but not the qualitative. There is no exception made for consortium coursework with the maximum time frame, as this coursework is supposed to apply to a student's program.

Change of Major

If students change their majors, coursework applying specifically to the original major may be subtracted from the maximum time frame calculation.

FINANCING THE COST OF EDUCATION**FAILURE TO MAINTAIN SATISFACTORY ACADEMIC PROGRESS (SAP)****Financial Aid Warning Status**

Students who do not meet SAP during a given semester will be put on financial aid warning status for the following semester. Students may receive financial aid while on warning status, and an appeal is not necessary. Students will be notified in writing that their financial aid is now in a warning status and be instructed that they will have one additional semester to meet SAP standards. If the student does not meet the SAP academic standard by the end of the warning semester, they will be put on financial aid termination status, pending an appeal.

Financial Aid Probation Status

After a semester of financial aid warning, if students have not reestablished eligibility based on the qualitative or quantitative standards previously mentioned, they will lose eligibility for financial aid. Students may submit an appeal to the Financial Aid Office. This appeal will be reviewed by the Financial Aid Office and, if approved, will allow students to be placed on probation for one semester (if denied, see financial aid termination status). Students will be notified in writing that their financial aid is available along with any conditions associated with this status. Students can regain aid eligibility if they meet the required cumulative standards. If it is determined that students cannot regain eligibility after one semester on approval status, an academic plan may be established. If an academic plan is established, the student is aid eligible as long as the standards of the plan are being met. Failure to adhere to the academic plan will result in students being placed on financial aid termination.

Financial Aid Termination Status

Students who are failing the SAP standards and do not appeal, had an appeal denied, or do not adhere to an academic plan (if necessary) as part of their probation status, will be placed on financial aid termination. Students in termination status have lost eligibility for financial aid. Students will be notified in writing that their financial aid is now in termination status.

Reestablishing Financial Aid Eligibility

If students are denied aid due to not meeting SAP standards, they will be ineligible for financial aid. Eligibility may be regained by raising the completion rate of credits attempted to 67% and cumulative GPA to the required number for credits attempted. Students can reestablish their eligibility the next time SAP is reviewed by either meeting the minimum standard, or by meeting the standard of an approved academic plan (see below). Once SAP is established, no further appeals are required unless in a subsequent term standards drop below the minimum.

Financial Aid Appeal Process

Students are able to appeal the loss of financial aid eligibility due to their failure to meet SAP standards, both qualitative and quantitative, after a semester on financial aid warning status. Students are also able to appeal the maximum time frame rule if they feel there are extenuating circumstances that prevented them from completing their program of study within this defined limit. Circumstances that may warrant an appeal include, but are not limited to, the following: medical reasons, full-time employment, or being out of school for a long period of time. Previous non-receipt of federal financial aid funds does not qualify as an extenuating circumstance.

Appeals must provide a detailed explanation that includes (1) the specific reason(s) which contributed to why students failed to make SAP standards (submit supporting documentation, if available, such as a letter from doctor, therapist, academic advisor, employer, etc.), and (2) what has changed in their situation that will allow them to demonstrate SAP at the end of their next semester if reinstated. Appeals that fail to explain in detail or do not include supporting documentation will not be reviewed.

Appeals need to be submitted in writing or via email and addressed to the Financial Aid Office. This office will be responsible for reviewing the appeals and either reinstating eligibility for financial aid via the financial aid probation status, or placing students in financial aid termination status. Students will be notified in writing or via email of the decision within two weeks from the date that the appeal was received, and the appeal decision is final.

There is one term of probation with each appeal. Students will be allowed to appeal more than once if their circumstances warrant it. Subsequent appeals would be based upon the same criteria listed above, but can also be for a revision of the academic plan.

Setting up an Academic Plan

In most cases, an approved appeal will include setting up an academic plan. An academic plan will outline where a student is expected to be with SAP standards each time SAP is reviewed. An academic plan details where the student is expected to be in terms of the evaluation points after each academic term. If an academic plan is set up and the student adheres to it, they are considered to be making satisfactory academic progress. If a student does not adhere to the plan, they will be terminated from financial aid the subsequent semester. Another appeal may be processed if the situation is appropriate, and may result in a revised academic plan. The associate director of financial aid will review the students with an academic plan each time SAP is reviewed.

Northwestern Scholarships

Through the generosity of others, Northwestern has 200 scholarships available for full-time students. Every fall, an online application is available for students to apply for scholarships for the following academic year. The following scholarships are available for students:

24-Hour Relay Scholarship	Condiff Scholarship, RONALDA A.	Hughes Memorial Scholarship, Paula Oliveto
3M Scholarship	Copham Pastoral Ministry Scholarship	Hultgren Scholarship, Marcella Wilson and Ken Wesley
Acts 20:24 Scholarship	Cureton Endowed Scholarship, Alan and Gayle	Huso Family Memorial Scholarship, John
Adult Undergraduate Student Scholarship	Dahlberg Memorial Scholarship, Edwin T.	Ingebretson Music Scholarship, Ervin & Carol
Akenson Memorial Scholarship, Curtis B.	Dallenbach Memorial Scholarship, Suzanne	Ingram Memorial Scholarship, Roy E.
Alliss Education Scholarship, Charles and Ellora	Director's Award Endowed Music Scholarship	Jesus for the Next Generation Endowed Scholarship
Ambassador of Christ Scholarship	Dufault Endowed Scholarship, Allen L.	Johnson Scholarship, Ronald J.
Ambassadors in Media Scholarship	Dufault Music & Theatre Endowed Scholarship, Allen L.	Johnson Scholarship, Russell and Hilda
Anderson Scholarship, Ethel R.	Dufault Nursing Endowed Scholarship, Allen L.	Joshua 1:9 Scholarship
Anderson Scholarship, Welsey and Delores	Dyer Nursing Scholarship, Ruth G.	Jubilaires Scholarship
Aney Scholarship, Russell and Myrtle	Eagle Foundation Scholarship	Julius Scholarship, Violet
Arth Scholarship, Ray and Jean	Edstrom Education Scholarship, Richard F. and Zoma Z.	Jungling Scholarship, Ella
Asp Scholarship, Charles and Esther	Edstrom Nursing Scholarship, Richard F. and Zoma Z.	Kaldor Memorial Scholarship, Bertha M.
Atwood Family Scholarship, Harry	Endowed Music Scholarship	Kehne Memorial Scholarship, Anne O.
Baertschi Female Vocal Music Scholarship, Frances	Ericksen Family Scholarship, Don and Bonita	Kelle Scholarship, Elroy and Eloise
Bauer Scholarship, Merritt and Edna	Esch Memorial Scholarship, Ruth B.	Kling Scholarship, Ralph and Norma
Beatty Scholarship, Joshua	Espe Scholarship, Ruth L.	Knutson Scholarship, Judge James T. and Lydia E.
Becker Scholarship, Ray and LaVerne	Fair Family Foundation Scholarship	Kooyman Intercultural Studies Scholarship, Edna
Beilby Biology Scholarship, Ken and Peg	Fast Scholarship, Pete and Naomi	Kopp Presidential Scholarship
Beilby Family Nursing Scholarship	Folkerts Memorial Scholarship, Carl	Krause Scholarship, Donald B.
Bender Biology Scholarship, Al and Myrtle	Frampton/Wood Family Scholarship	Kuivinen School of Business Scholarship, Charles E.
Berggren Scholarship, Paul and Dorothea	Freeland Family Scholarship, Peter and Agnes	Lalim Scholarship, Jewel and Al
Bergh Nursing Scholarship, Dustin	Garley Memorial Scholarship, Calvin and Betty	Larson Family Scholarship, Vern and Ruth
Berntsen Memorial Scholarship, W. B.	Gilsvik Scholarship, Sigrid	LEB Harvest Scholarship
Beschorner Memorial Scholarship, Linda	Grace Scholarship	Lentz/Stiner Memorial Scholarship
Bierhaus Family Scholarship, Paul and Donna	Grayum Scholarship, Charles and Pearl	Levering Scholarship
Bjorklund Scholarship, Bertha	Grayum Scholarship, Myrtie	Lockhart Memorial Scholarship, Homer B.
Bleeker Music Scholarship, Celesta M.	Groen Memorial Scholarship, Irene	Lundquist Memorial Scholarship, Reuben D. and Adeline G.
Boehjle Scholarship, Ken and Carol	Grutzmaker Scholarship, Jon	Marker Scholarship, Raymond and Marilyn
Booze Scholarship, Dorothy L.	Gysland Family Memorial Scholarship, Rudolph	Martin Media Scholarship, Walter
Bothman Scholarship, Carl and Ann	Haines Memorial Scholarship, Rusty Scott	Mattheis Music Scholarship, Ken and Jo Ann
Bowen Scholarship, Charles and Ardyce	Halverson Endowed Scholarship for Business Students	Mellin Memorial Scholarship, George and Edith
Bray Memorial Scholarship, Debra Lynn	Halvorsen Scholarship, Verna and Truman	Mogck Scholarship, Oliver
Brink Memorial Scholarship, P. Mullins	Hanwell Scholarship, Irene and Millie	Mongoose Scholarship
Bronson Family Memorial Scholarship, Harold	Harms Scholarship, Menno and Mildred Neubert	Moore Scholarship, Judith H.
Bronson String Scholarship, Harold	Haugen Scholarship, Mary	Moser Scholarship, Freeman and Floss
Buckles Family Memorial Scholarship	Hauser Scholarship	Music & Theatre Department Scholarship
Burghard Ministry Scholarship	Hellesvig Scholarship	Myers Scholarship, Gifford and Carol
Burghard Nursing Scholarship	Helmstrom Memorial Scholarship	Ness Scholarship, Helen
Cemstone Engineering Scholarship	History Scholarship	Nicoll Scholarship, George and Amber
Chaffee Endowment for the Arts & Music, Karen Ann	Hooten Scholarship, Floyd	Norberg Scholarship, Edith B.
Chase-Finch Scholarship Fund	Hopes and Dreams Scholarship	
Chen-Li Scholarship, Shiming and Fuliao		
Class of '54 Scholarship		

NORTHWESTERN SCHOLARSHIPS

Northwestern Foundation General Endowed Scholarship

Northwestern Media Scholarship, KFNW-Fargo

Northwestern Media Scholarship, KNWC-Sioux Falls

Northwestern Media Scholarship, KNWS-Waterloo

Northwestern Media Scholarship, KTIS-Minneapolis/St. Paul

Northwestern Media Scholarship, WNWC-Madison

Nystrom Scholarship, Marvin T.

Ogren Scholarship, Willard and Louraine

Olds Scholarship, Irene and Stanley

Olson Nursing Scholarship, Barb J.

Ondov “Because of Jesus” Scholarship, Jim, Nancy and Daniel

Osborn-Giles Scholarship

Osterlund Music Education, David and Darcy

Ottoson Scholarship, Lucille C.

Pals Family Memorial Scholarship

Paulson/McComb Scholarship, Rev. Eric Edwin and Dr. Ruth

Pearson Family Scholarship

Peterson Scholarship, David D.

Peterson Scholarship, Karin M.

Pickering Scholarship, Dr. and Mrs. Robert

Pitman Scholarship, Meta

Pittman Memorial Scholarship, Sam

Pohlman Endowed Scholarship, Ken and Linda

Pre-Seminary Scholarship

Prischmann Scholarship, Helen

Ramseyer Scholarship, Paul

Reinders Scholarship, Harlan

Retka Memorial Psychology Scholarship, Kurt

Richter Scholarship, Britta Ford Nicholson

Riley Memorial Scholarship, William Bell

Robertson Family Scholarship

Rogers Scholarship, Amos F. and Chadwick L.

Rosell Scholarship, Merv and Vi

Rovick Scholarship, Odd and Emma

Rust Memorial Scholarship, Bernard and Winnie

Rust Memorial Scholarship, Ella A.

Rydell Memorial Scholarship, C. Wesley

Sage Scholarship, Donald A. and Joyce E.

Sateren Music Scholarship, Pauline Thompson

Scheller Geriatric Nursing Scholarship, Joe and Suzy

Scherer Scholarship, Floyd A.

Schroeder Memorial Scholarship, Freeda

Serve the Nations Endowed Scholarship

Set Apart Scholarship

Shaw Scholarship, Richard and Mary

Sims Scholarship, Dr. Rose Voetmann

Smith Memorial Scholarship, Grace Rose

Socha Scholarship, David

Sorensen Scholarship, Eldon and Verda

SPHERE Scholarship

Starr Scholarship Fund, Leland and Grace

Strese Scholarship, Hazel

Sudenga Scholarship, Jay and Dottie

Sullins Memorial Scholarship, Stephen R.

Swan Scholarship, Lydia Janke

Taft Scholarship, Everett and Merna Lea

Talbot Memorial Scholarship, Olive Gertrude

Teichroew Scholarship, Abe and Ethel

Thompson Scholarship, Jack and Mary Ellen

Titrud Scholarship, Morris H.

Topinka Scholarship, Chuck & Jolene

Totino Scholarship, James

Tzedakah Scholarship

UNW Biology Honors Scholarship

UNW Criminal Justice Scholarship

UNW General Endowed Scholarship

UNW General Endowed Music Scholarship

UNW Health & Kinesiology Scholarship

UNW Heritage Scholarship

UNW Student Teaching Scholarship

UNW Trustee Golf Classic Scholarship

UNW Women’s Auxiliary Scholarship

VanderHorst Scholarship

Vischer Family Scholarship, Harold

Wahl Memorial Scholarship, Wade

Weghorn Family Endowed Scholarship

Werkmeister Family Scholarship

Wessman Scholarship, Gerry

Wilder Family Endowed Scholarship

Wilson Family Business Administration Scholarship, George

Wood Family Scholarship, Ray and Marjorie

Academic Information

University of Northwestern offers programs leading to master's degrees, bachelor's degrees, associate degrees, and certificates. (**Note:** Students enrolled in Adult Undergraduate or Graduate Studies programs should refer to the academic information in the College of Graduate, Online, & Adult Learning catalog, which supercedes the information in this section, where applicable.)

Semesters & Quads

Semesters consist of 14.5 weeks of classes followed by a four-day final examination period. Further, each semester is divided into two half-semester called "quads" (i.e., one-fourth of an academic year), during which most 2-credit courses are offered. Fall semester is subdivided into Quad 1 (first half) and Quad 2 (second half) and spring semester into Quad 3 (first half) and Quad 4 (second half). Each quad has its own deadlines for registering, adding, and withdrawing and its own tuition refund schedule—all based on the number of working days in the session that have elapsed.

Academic Advising

Each degree-seeking student is assigned a faculty advisor. The mission of academic advising at University of Northwestern – St. Paul is to empower students to make informed decisions and to develop and implement academic plans in order to attain their educational, career, and life goals. The advising process involves purposeful interaction and shared responsibilities between students and advisors, while utilizing appropriate tools and resources.

Academic Calendar

The Registrar uses Northwestern-approved principles to develop the annual academic calendar for the Traditional Undergraduate program. The Registrar coordinates with the School of Nursing to determine academic calendar dates that are unique to program needs. The Registrar also coordinates with the College of Graduate, Online, & Adult Learning to have approved principles to develop the Office of Dual Enrollment and the Office of Adult & Graduate Studies academic calendars. Using these approved principles helps to ensure that consistent, accurate, and appropriate calendar information is available to students, faculty, staff, and the community.

Academic Internships & Practicums

University of Northwestern is committed to incorporating experiential education into its curriculum. Most majors offer an academic internship or practicum either as a requirement or as an elective. An academic internship is an opportunity for a student to earn university credit during a structured, out-of-classroom, "real-world" experience. As a result of these applied experiences, students develop professionally and spiritually while exploring their fields of interest and clarifying career goals. In addition, many employers use internships/practicums as "feeder" programs for entry-level roles, which in turn provides higher placement rates for students who have completed one or more experience during their time at Northwestern.

The student must be of junior or senior standing and meet the written departmental requirements such as minimum GPA, course prerequisites, and faculty supervisor approval. Internship credits required for a University of Northwestern major may not be transferred from another institution unless written prior approval is obtained from the appropriate department chair/assistant dean to allow such a transfer. Tuition charges and eligibility for financial aid will follow established university policy. The university reserves the right to remove any student from an internship at any time. Appeals will follow

established university policy for academic or disciplinary probation. Tuition refunds will follow established university policy. **Note:** An internship or practicum may be taken more than once and impact the student's GPA in each case as long as the work of the internship/practicum builds on itself and presents new professional development opportunities.

Attendance

Specific requirements for all courses, including class attendance, unexcused absences, etc. are established by each professor and are included in the syllabus of the course. In registering for a class, the student agrees to such requirements.

Unless previously excused, registered students must be present at the first class session in order to retain their place in a closed class. If a registered student is aware that they will not be able to attend the first class session, they must notify the professor in advance to hold their place in the class. This policy includes students participating in university-sponsored events that are considered excused absences. If a student is registered for a class but does not attend the first day, the instructor of the class may remove the student from the class list.

A student attending a class(es) must be registered for the class(es) either as a registered student or as an auditing student. Exception: co-curricular activities.

Excused absences are defined as those granted by official university action for university-sponsored events, required military service, or verified medical or other emergency. Tests or other gradable events occurring during a student's excused absence will be rescheduled by the professor.

Students are responsible for making up work missed during excused absences.

Auditing a Course

An admitted student may audit a course without degree-counting credit by registering as an auditor and paying the required fees. A student auditing a course may not replace a student taking the course for credit.

Tuition for an audited course is 20% of the fee required for courses taken for credit. Tuition is charged if the student is not taking a full load (12 credits) excluding the audited course. If the total number of credits exceeds 18, the 20% fee will apply to credits over 18, including the credit value of audited courses.

Approved retirees are allowed to audit courses without a tuition charge. See Employee Handbook for more information.

An audited course is not counted as part of the student's academic load. A grade of AU is entered on the student's transcript.

A student auditing a course is not required to complete written assignments or take examinations. Extent and type of participation in the class is at the discretion of the professor.

ACADEMIC INFORMATION

Auditing is not permitted in physical education activity courses, theatre or dance technique courses, music performance courses, education courses numbered 3000 or above, courses offered in partnership with external organizations, or other courses so indicated in the course schedule at the discretion of the professor and with the approval of the department chair/assistant dean.

A student who is registered for a course and would like to change to an audit registration may do so only up through the posted Last Day to Add deadline, which also coincides with the Last Day to Drop without Transcript Notation deadline.

At no future time may a student request or receive credit for the audited course by any other means than by officially registering for the course for degree-counting credit by the Last Day to Add and doing the required work.

Catalogs

Across all Northwestern venues, the Registrar coordinates with academic administrators, deans, department chairs, program managers/directors, and offices such as Admissions, Financial Aid, Student Life, Student Accounts, etc. that contribute to the production of University of Northwestern catalogs. This team effort helps to ensure that consistent, accurate, and appropriate catalog information is available to students, faculty, staff, and the community.

Classification of Students

A student's class standing is determined according to the following scale of credits completed:

Freshman	0–29 credits
Sophomore	30–59 credits
Junior	60–89 credits
Senior	90+ credits

According to policy, class standing for incoming transfer students is based on the number of "transferable" credits accumulated, i.e., total credits in degree-counting courses completed for credit and with grades of C- or higher at all colleges and universities previously attended. Transferable credits are the basis for administering the proportional core curriculum requirement.

Course Load/Overload

The normal academic load is 15–16 credits per semester. The minimum full-time academic load is 12 credits per semester. Courses meet for approximately 700 minutes per credit.

For each hour spent in the classroom, the student should expect to spend two hours in study and preparation of course assignments. This means that a student taking 15 credits will have approximately a 45-hour study week, including class hours.

Registration for more than 18 credits per semester constitutes a course overload.

A cumulative grade point average of

- 3.00 or higher is necessary to carry 19 credits
- 3.25 to carry 20 credits
- 3.50 to carry 21 or more credits.

For new incoming students who have previous college grade point average (GPA), the combined GPA in all previous coursework is the basis for approval or disapproval. New incoming students with no previous college GPA are not permitted to take an overload during their first semester of enrollment.

First-semester freshmen who are Eagle Scholars may register for an overload of up to a total of 20 credits for spring semester of their freshman year before their grade point average has been recorded from their first semester at Northwestern.

Overload restrictions on first semester transfer students are based on the cumulative GPA from the previously attended institution.

Students may petition the Academic Policies Exceptions Committee for approval of exceptions to the course overload rules.

Credit Hour

A credit/semester hour is an amount of work represented by specific learning outcomes and is verified by evidence of student achievement that is an established institutional policy that reasonably approximates not less than

1. one hour (not fewer than 50 minutes) of in-class or direct faculty instruction and a minimum of two hours of out-of-class student work each week for approximately fifteen weeks for one semester hour of credit. This accounts for approximately 700 minutes of in-class or direct faculty instruction and a minimum of 1,400 minutes of out-of-class student work for a total of approximately 2,100 minutes for one semester hour of credit; or the equivalent amount of work over a different amount of time; or
2. at least an equivalent amount of work as required in paragraph (1) of this definition for other activities as established by Northwestern, including laboratory work, internships, practica, studio work, and other academic work leading to the award of credit hours.

Diplomas

Diplomas are issued to students if the student has fulfilled all degree requirements and his/her student account balance has been paid in full, including the graduation fee charged to the student's account the last term the student registers.

If a graduate's diploma becomes lost or damaged, he/she may request a replacement diploma from and pay a replacement fee to the Registrar's Office.

Graduating students of Northwestern have the option to select their legal, maiden, or a preferred name to be listed in the Northwestern student information system. This is the name that will be used for diploma purposes. No prefix or suffix relating to a title or credential is allowed to be printed on the diploma (e.g., Mr., Mrs., Miss, Dr., DMD, Esq., etc.). When requesting a new diploma after graduation due to a name change, a completed Name Change Request form must be submitted by the student, along with appropriate documentation and applicable fees, before a new diploma will be issued.

Directed Studies

Directed study courses are primarily designed to provide additional study opportunities related to the major. Depending upon the level of work needed (e.g. sophomore, junior, etc.), most course numbers for directed studies are 1815, 2815, etc. Course numbers are preceded by the appropriate subject prefix (e.g. ART4815).

A directed study is a personalized, independent course of study designed to offer educational opportunities not provided by an existing course in the course catalog.

To be eligible for a directed study, a student must have a minimum Northwestern cumulative GPA of 2.50. A student may complete more than one directed study in the same subject area, with each directed study impacting the student's GPA, as long as the content of the study is unique.

A maximum of 8 semester credits of directed study may apply to major requirements; a maximum of 4 semester credits may apply to a minor or electives. One semester credit of directed study may be applied to the core curriculum requirements in any category. A maximum of 4 credits may be applied to Bible requirements (within the core curriculum) or as electives.

The faculty instructor and the department chair/assistant dean with jurisdiction over the course must approve a student's request to register for a directed study. If the faculty supervisor is also the department chair/assistant dean, the consent of the respective college dean is required.

See further details in the Academic Policy Manual.

In cases where a student is requesting a directed study, there is a processing fee. See fees on pages 15.

Final Examinations

TAKING FINAL EXAMINATIONS DURING THE REGULARLY SCHEDULED PERIOD IS CONSIDERED TO BE PART OF THE ACADEMIC RESPONSIBILITY ASSUMED BY THE STUDENT. (SEE PAGE 2 FOR DATES OF FINAL EXAMINATIONS AND STUDY DAY.)

If a student has three final examinations scheduled for one day or two finals scheduled at the same time, one of them may be rescheduled within the regular examination week. In case of verified medical emergency, death in the family, required military service, or participation in an approved university-sponsored event, a student will be allowed to reschedule final examinations within the regular examination week. After verifying the professor has been consulted by the student, the Registrar will reschedule the exam at an approved time through the Writing Center. If this is not possible, the student may be permitted to take an incomplete grade and make up the examination during the first two weeks of the following semester.

An unexcused absence from any final examination results in failure on that exam.

A student with exceptional circumstances may submit a petition (Final Examination Deferment form) to the Academic Policies Exceptions Committee to take the final examination at another time. In such a case, the student receives a failure (or zero) for the final examination. If the petition is approved, the student is allowed to complete the exam or alternative assessment through the Office of Academic Achievement before the end of the first two weeks of the next semester. If the petition is denied, the student's failure to take the final at the scheduled time would be considered an unexcused absence. Special arrangements must be made with the instructor if the student desires to take the exam during the summer.

Graduation Honors – Undergraduate

Graduation honors recognition is given according to the following cumulative grade point average scale:

Summa Cum Laude	3.90–4.00
Magna Cum Laude	3.75–3.89
Cum Laude	3.65–3.74

The cumulative grade point average used in the graduation honors scale is based on all University of Northwestern semester credits earned at the time of degree completion. This includes course work taken in all academic programs of the University.

Bachelor's degree students with a minimum of 60 Northwestern credits will be eligible for Latin honors recognition as listed above. Bachelor's degree students with between 30-59 Northwestern credits with a Northwestern cumulative grade point average of at least 3.90 will be recognized as graduating "with distinction."

Graduation Requirements

Graduate Studies students should refer to the College of Graduate, Online, & Adult Learning student catalog for graduation requirements and policies.

An undergraduate student seeking a degree or certificate at University of Northwestern is responsible for adhering to the following policies:

1. Matriculated students are required to meet the graduation requirements of the most recently published catalog at the time the chosen degree program is begun. These requirements will be in effect for a period of seven academic years beginning with the term of initial enrollment in the chosen degree program, whether or not enrollment is continuous.
2. Students who do not complete all degree requirements within the seven academic year time frame must meet current requirements as described in the current catalog when continuing or in the most recently published catalog at the time the Re-enrollment form is submitted to the Registrar's Office. Students have the choice of meeting the core curriculum requirements of the current catalog or according to their original catalog.
3. Students who change their major(s) must meet all requirements for the new major(s) as described in the most recently published catalog at the time the Curriculum Change Request form, Change of Venue form, or Re-enrollment form is submitted to the Registrar's Office. Students in this situation have the choice of meeting the core curriculum requirements according to the catalog in effect at the time of the major change or according to their original catalog.
4. University of Northwestern reserves the right to change the curriculum if mandated by an outside agency such as the Minnesota Professional Educators Licensing and Standards Board.
5. The cumulative grade point average must be at least 2.00 for all coursework taken in all University of Northwestern academic programs.
6. Academic programs must meet the following minimum credit requirements: bachelor's degrees, 125 credits; associate degrees, 60 credits; Bible certificate, 30 credits. The exact number of credits needed for degree completion is specified in the description of each academic program. A chart summarizing credit requirements appears on pages 48–49.
7. Residency Requirement: For a bachelor's degree or an associate degree, a minimum of 30 credits must be earned at Northwestern. For a Certificate in Bible, a minimum of 15 credits must be earned at Northwestern.
8. Residency Requirement: A minimum of 50% of major and 50% of minor coursework must be completed from Northwestern. An exception is allowed for majors or minors requiring off-campus study transfer coursework; transfer credits earned at the required off-campus program/institution will not count toward the maximum 50% allowable transfer credits in the major/minor.
9. Courses in a major may not be counted as electives in a minor. The only courses jointly applicable to a major and a minor are those specifically required in both the major and the minor.
10. For all bachelor's degree programs, to be in compliance with the Minnesota Office of Higher Education, 40 credits must be in 3000- or 4000-level courses. A 1000- or 2000-level transfer course which has departmental approval to meet an upper-level requirement at Northwestern may be counted toward the 40-credit upper-level requirement.
11. Students who are pursuing a bachelor's degree and taking graduate-level courses of a concentration that is also offered as a graduate certificate will earn the concentration (or electives if not pursuing the related major).

ACADEMIC INFORMATION

12. To comply with Higher Learning Commission policy, a maximum of 50% of graduate degree credits, which includes graduate certificates, may be earned as an undergraduate student.
13. Students may participate in the May commencement ceremony only if all degree requirements are met or if it can be demonstrated that remaining credits have been registered for and may be completed no later than the beginning of the fall semester following commencement.
14. Students may participate in the December commencement ceremony only if all degree requirements are met by the end of fall semester.
15. The Registrar is authorized to make decisions on a student-by-student basis in consultation with appropriate faculty members and administrators. This includes situations in which students with exceptional circumstances request permission to take a small number of degree-completing course credits at another institution.
16. In order for degrees or certificates to be awarded, students must have submitted an application for graduation, passed all required courses, and successfully completed all degree or certificate requirements.

Modality (Course Delivery Format) Definitions

Northwestern offers courses in a variety of delivery formats, which we refer to as “modalities.” Course modalities are utilized in a variety of ways in different program areas. Many courses and programs are only available in one modality. The definitions below articulate university-understandings of each modality.

- **Face-to-face:** Face-to-face courses are designed to take advantage of the unique advantages of live, in-person engagement. Course learning activities take place during scheduled class meeting times at a pre-assigned meeting place. In-person class attendance is expected.
- **Blended:** Blended courses combine in-person engagement with online learning activities in order to maximize the benefits of both modes of learning. Class attendance expectations for class meetings are the same as for face-to-face courses. Online learning activities may be either asynchronous or synchronous.
- **HyFlex:** HyFlex courses maximize student choice and flexibility by providing multiple attendance options within the same course. HyFlex students may choose their attendance method each week (or perhaps in smaller increments such as biweekly) and may choose in person, online synchronous, or online asynchronous attendance.
- **Online Synchronous:** Online synchronous courses combine the flexibility of remote learning with the immediacy and interaction provided by synchronous engagement. These courses have required remote meetings that are facilitated through online meeting software. This modality may also be referred to as “virtual.”
- **Online Asynchronous:** Online asynchronous courses maximize scheduling flexibility by designing learning activities to be completed at the learner’s convenience. Online asynchronous courses utilize deadlines during the course to structure the learning environment.

Readmission

Former students who desire to be re-admitted must submit a Re-enrollment form, meet all current admission requirements (including the submission of any outstanding transcripts), and fulfill any outstanding student account financial obligations. **Note:** The opportunity for re-enrollment is not guaranteed.

Re-enrolling students are allowed to complete their original degree program requirements within a period of seven years from when they first enrolled. For those unable to do so, they must meet the current requirements as described in the current catalog at the time the Re-enrollment form is submitted to the Registrar’s Office.

Students eligible for re-enrollment who were previously enrolled in programs that have since been discontinued or substantially revised may be required to comply with the current degree program requirements.

UNW staff will work with re-enrolling military service members, whose service obligations temporarily interrupted their educational plans, to determine best possible solutions.

Students who leave UNW under probationary status may be subject to the same probationary status upon returning to UNW. Students who leave under academic suspension are not eligible for re-enrollment for two consecutive semesters on campus.

See “Graduation Requirements” (page 27–28) for more information.

Registration for Courses

New students must complete initial class registration by no later than the day before orientation for fall semester and the day of orientation for spring semester. Adding of or changing sections of a semester-long course is scheduled by the Registrar. Selecting courses and planning a schedule are the student’s responsibility. The student should consult the catalog or curriculum chart for academic program requirements. The faculty advisor aids the student with program planning, gives counsel on academic or personal problems, gives clearance, and signs any documents related to course participation. If the advisor is not available, the respective department chair/assistant dean and Registrar are empowered to sign registration forms.

For the following category of courses, the adding of or changing sections of courses must be completed as indicated below:

- Semester-length courses: prior to the second week of classes (prior to the third week of classes if the student obtains the signature of the course instructor)
- Quad 1 and Quad 3 courses: prior to the fourth class day of the semester (prior to the seventh class day of the semester if they obtain the signature of the course instructor)
- Quad 2 and Quad 4 courses: prior to the fourth class day of Quad 2 and Quad 4 respectively (prior to the seventh class day of Quad 2 or Quad 4 if they obtain the signature of the course instructor)
- Courses of less than a half-semester in length: within a proportional length of time
- Summer session/term: as indicated in the summer school schedule

Co-curricular activities, directed studies, internships, missions experience, tutorials, and workshops may be added by the same date Quad 2 and Quad 4 courses may be added.

Students may elect to have their name placed on the waiting list (if available) for a class if the class is full. They should attend the first session of the class and following sessions if there appears to be a chance that vacancies may occur. Professors may participate in the selection of students from the waiting list if appropriate (e.g., selecting majors before non-majors, juniors and seniors before freshmen and sophomores, etc.).

Students who register during advance registration periods are scheduled registration times according to the following order:

1. Seniors or final-year associate degree students.*
2. Juniors
3. Sophomores
4. Freshmen

*Also includes pastoral ministry/M.Div. students in their third year, associate degree students in their second year, Eagle Scholars Honors students, and students with special early registration approval from Disability Services.

Within each of these four groups, an alphabetical sequence is followed, with the starting point rotated from semester to semester.

Further details regarding registration procedures are provided by the Registrar's Office.

Release of Grades & Transcripts

By provision of the Family Educational Rights and Privacy Act of 1974, as amended, grades and transcripts cannot be issued to a third party without the written consent of the student.

Summer School

As described in the Academic Calendar on page 2, Northwestern's traditional undergraduate Summer School program consists of variable-length sessions and an extended session. Regular and special topics courses of variable length are offered throughout the summer. The extended session features internship, ministry experience, and foreign travel courses. Reduced tuition rates make Summer School an attractive option for students who wish to accelerate their academic pace or make up credit shortages from the academic year.

Topics Courses

The designation "Topics Course" refers to a course offered as a supplementary or elective course. The course description does not appear in the University catalog.

Topics courses may be offered using codes numbers of in the ranges 1805-09, 2805-09, 3805-09, and 4805-09 with the appropriate departmental/school designation.

Transcript Services

University of Northwestern – St. Paul transcripts: The Registrar's Office has retained the National Student Clearinghouse to provide online ordering of official electronic and paper transcripts.

- A paper transcript produced by Northwestern is official as long as it remains in its envelope and the seal is unbroken. This includes a paper transcript issued to a student, with the envelope stamped "Issued to Student."
- An electronic (PDF) transcript issued to the end recipient is official. An electronic transcript issued to the student is unofficial. A printed copy of an electronic transcript is unofficial.
- For more information or to place a transcript request, please visit unwsp.edu/transcript.

Transcripts from other institutions: Student transcripts that were provided to Northwestern from previously attended institutions become the property of Northwestern. Northwestern does not provide copies of transcripts from other institutions that are part of a Northwestern student's education record. In order to obtain accurate, up-to-date information and ensure that no protocol of the issuing institution is circumvented, a student must contact the originating institution for a copy of that institution's transcript.

Transfer of College Credit to University of Northwestern Undergraduate Programs

The Registrar supervises the evaluation of all transfer credits and the awarding of credit by examination. This involves overseeing decisions made by all Northwestern transcript evaluators. Additionally, the Registrar confers with deans, department chairs/assistant deans, program managers/directors, and the Provost | Senior Vice President for Academic Affairs as needed in decisions pertaining to the approval of transfer credits.

Credits (not grades) earned at another institution may be accepted by University of Northwestern subject to review and approval by the Registrar.

The previously attended institution must be recognized by regional, national, professional, or specialized accrediting bodies or, for foreign institutions, be recognized by their country's ministry of education.

For non-accredited institutions or institutions not recognized by their country's ministry of education, the Provost | Senior Vice President for Academic Affairs, in consultation with the Registrar, shall determine, through the established credit transfer agreement process, which non-accredited/non-recognized institutions are to be recognized as acceptable for transfer of credit. If a credit transfer agreement is established, its purpose is for determining transferability and applicability of credits for new incoming UNW students who have previously taken coursework at a non-accredited/non-recognized institution.

Transfer work from non-accredited institutions not recognized by a credit transfer agreement or foreign institutions not recognized by their country's ministry of education will not be accepted.

Transfer work from within the time period of the 5 years preceding the date an institution is accredited or credit transfer agreement is established may also be accepted.

European institutions have standardized units of academic credit under the European Credit Transfer and Accumulation System (ECTS). Since international students may come from Europe to Northwestern and since many Northwestern undergraduate students study abroad at some point during their academic careers, it is important to standardize transfer of credit. Based on information concerning ECTS characteristics and practices at many colleague American institutions, Northwestern has established that one ECTS credit is comparable to one half (0.50) semester credits.

For students who have a transcript from a foreign academic institution (except most institutions in Canada), they need to send an official foreign transcript (along with an English translation of the transcript if not already in English) to a recognized professional credential evaluator. As long as UNW directly receives a professional credential evaluator report that lists all courses taken at the foreign institution, U.S. grade equivalency, and U.S. semester credit equivalency, then the student does not need to provide an additional official foreign transcript to UNW. For information about recognized professional credential evaluators, contact Admissions or the Registrar's Office.

Coursework with grades of C- or higher is considered transferable to Northwestern, but applicability of those credits is dependent upon the student's chosen academic program at Northwestern (some Northwestern academic departments/schools require an even higher grade, such as C).

Credits taken at other institutions considered to be upper level at University of Northwestern will be included in the 40-credit upper-level requirement for graduation.

ACADEMIC INFORMATION

For purposes of administering the proportional core curriculum requirement, class standing of transfer students is based on the total of transferable credits from all colleges and universities previously attended and credits awarded from Northwestern through credit by exam. Transfer work registered for at another institution and credit by exam taken after initial matriculation (i.e., admitted, enrolled, and attending) are not counted.

In the core curriculum, if a transfer course(s) satisfies the course intent of a particular category, then no additional credits will be required in that category. The total number of credits required for graduation is still a minimum of 125 credits.

University of Northwestern does accept credit from institutions that is based on a test-out or similar exam taken at such institutions as long as the work meets normal transfer requirements, i.e., C- or higher.

University of Northwestern does not accept prior learning credits from other institutions, nor does the traditional undergraduate program award credits for prior learning experiences.

Graduate-level credits from accredited institutions are allowed to apply towards undergraduate requirements. If applied toward the student's major(s) or minor(s), then it is subject to the approval of the department/school whose coursework is to be covered by the transferred credits. If the student goes on to earn a graduate degree at Northwestern, they will not be able to apply that coursework to their graduate degree (the work cannot count towards two different degrees).

RESIDENCY REQUIREMENTS FOR TRANSFER STUDENTS ARE DESCRIBED ON PAGE 27.

Tutorials

A tutorial is the way in which a student may independently take a course, which is listed in the course catalog, and is part of the curriculum of the student's major. In essence, a tutorial is an existing course that is taught to one student.

A course should be taught as a tutorial only in extenuating circumstances (e.g., a course is cancelled or is no longer offered, or a student has an unavoidable schedule conflict).

If a student needs to fulfill a major requirement through an independent course of study, it is preferred that departments/schools assist the student by providing a directed study meeting the objectives of the course missed rather than by arranging a tutorial.

The faculty instructor, the department chair/assistant dean, and the college dean must approve a student's request to register for a tutorial.

See fees on page 15.

Verification of Student Status

Students may obtain enrollment verification at the Advising Registration page at myUNW. This self-service link allows students to print enrollment verification certificates, view their enrollment history, and view the proofs of enrollment sent on their behalf to student service providers.

The Registrar's Office will provide written verification of student status (dates of attendance, graduation, academic achievement, etc.) upon written request of the student. Such formal verification is often needed for student loan purposes or for obtaining "good student" auto insurance discounts.

Drop/Withdrawal from a Course

Drops/Withdrawals from a course are not complete until the Drop/Withdrawal/Add form is received in the Registrar's Office. It is the student's responsibility to be certain this is done in order to avoid continued registration and a subsequent failing grade in the course.

TIME OF DROP/WITHDRAWAL			NOTATION ON TRANSCRIPT
Semester Course*	Quad*	Other Abb./SMR. Course	
Weeks 1–2	Days 1–6	First 15%	Drop: No Notation Made
Weeks 3–10	Days 7–25	16–70%	Withdrawal: "W" without indication of pass or fail
After Week 10	After Day 25	After 70% of course	Withdrawal: Not permitted. Grade earned is entered on transcript.

*SPECIFIC DATES ARE LISTED IN THE ACADEMIC CALENDAR ON PAGE 2.

EXCEPTIONS TO THE DROP/WITHDRAWAL DEADLINES MUST BE APPROVED BY THE ACADEMIC POLICIES EXCEPTIONS COMMITTEE.

DROPS/WITHDRAWALS RESULT IN REFUNDS ONLY WHEN THE FOLLOWING ACTIONS OCCUR BY SPECIFIED DEADLINES: TERMINATION OF ENROLLMENT, DROPPING FROM OVERLOAD TO REGULAR FULL-TIME, OR DROPPING FROM REGULAR FULL-TIME TO PART-TIME. (SEE THE REFUND INFORMATION ON PAGE 17.)

DROP/WITHDRAWAL FROM A COURSE MAY RESULT IN REDUCTION OR CANCELLATION OF FINANCIAL AID. STUDENTS SHOULD CONSULT THE FINANCIAL AID OFFICE BEFORE DROPPING BELOW 12 CREDITS.

Academic Standards

(NOTE: STUDENTS ENROLLED IN ADULT UNDERGRADUATE OR GRADUATE STUDIES PROGRAMS SHOULD REFER TO THE ACADEMIC INFORMATION IN THE COLLEGE OF GRADUATE, ONLINE, & ADULT LEARNING CATALOG, WHICH SUPERCEDES THE INFORMATION IN THIS SECTION, WHERE APPLICABLE.)

Academic Dishonesty

If it has been determined that a student has been academically dishonest in a course (i.e., cheated, plagiarized), the student may not drop or withdraw from the course.

If a student drops or withdraws from a course before an academic dishonesty decision has been identified and/or a determination has taken place, and if the student is subsequently found guilty of academic dishonesty, the course will be reinstated to allow for the decided disciplinary action to take place (i.e., failing grade, reduced grade).

Academic Probation, & Suspension

This section of policies is for traditional undergraduate students. Please see the Dual Enrollment Student Handbook for related Dual Enrollment student policies.

Students will be placed on academic probation when they are not in good academic standing (see chart on page 34). Academic probation serves as a warning to students that their academic progress is not satisfactory, and that they should take steps to improve their academic performance to avoid future academic probation or academic suspension from the university.

A student, while on academic probation, is:

- required to attend a meeting with an Academic Achievement Program Manager to set up a strategic plan for the semester, and to participate in bi-weekly academic coaching sessions
- required to meet with their advisor to set up an academic course plan
- required to repeat previously failed courses, if available and still needed in the student's academic program, unless guided differently by the student's academic advisor
- strongly encouraged to take the STS0009 Study Strategies course

A student on academic probation who does not achieve good academic standing as outlined above but does earn a minimum 2.000 or above semester GPA will continue on academic probation for another semester and may continue taking UNW courses.

If a student on academic probation earns at the end of the subsequent semester or term the minimum or better cumulative GPA based on Academic Standing requirements, the student will be placed back on good academic standing.

A student who is not in good standing at the end of two consecutive semesters or does not have the minimum 2.000 semester GPA at the end of the probationary semester will be academically suspended for one semester. A matriculated student who does not have a minimum 1.000 semester GPA by the end of their first semester at UNW will be academically suspended for one semester.

While academically suspended, a student may take up to 4 UNW credits in a semester through the Traditional Undergraduate, Adult Undergraduate, or Dual Enrollment venues. Suspended students may also take courses at other accredited colleges but only the credits from those courses may transfer to Northwestern. The grades from other colleges have no impact upon the student's Northwestern GPA.

Part-time student progression to probation (or to suspension) is determined in proportion to the student's academic load. As such, a part-time student needs to have accumulated enough attempted

credits between one or more semesters before being considered for academic probation or academic suspension.

After being away for one semester, an academically suspended student may seek re-enrollment.

A student who seeks readmission to the university after a period of academic suspension must petition for it by the following dates: October 15, for spring semester readmission or July 15 for fall semester readmission. Evidence must be supplied to support the request and will be examined by the Readmission Review Committee. The best evidence is at least two college-level academic courses completed with grades of B- or above. Appeals of academic suspension should be directed to the Readmission Review Committee. The Registrar should be consulted for appropriate procedures.

Part-time student progression to probation (or to suspension) is determined in proportion to the student's academic load. As such, a part-time student needs to have accumulated enough credits between one or more semesters (to be equivalent to full-time) before being considered for academic probation or academic suspension.

Academic Warning

Students who are in good academic standing but whose semester grade point average (GPA) is below 2.0 will be placed on academic warning if they return the following semester. Academic Warnings are intended to make students aware that they are in jeopardy of falling into probationary status if improvements are not made.

(NOTE: FOR INFORMATION ABOUT CUMULATIVE GPA REQUIREMENTS TO REMAIN IN GOOD ACADEMIC STANDING, SEE CHART ON PAGE 34.)

A STUDENT, WHILE ON ACADEMIC WARNING, IS STRONGLY ENCOURAGED TO DO THE FOLLOWING:

1. Attend a strategizing meeting with an Academic Achievement Program Manager,
2. take STS0009 Study Strategies,
3. make contact with his/her advisor to determine any grade requirements for their major coursework, and
4. consult with the Registrar about grade improvement strategies.

A student on academic warning must ensure their cumulative GPA remains in good academic standing to avoid being placed on academic probation.

Cheating

Students cheating in coursework or examinations are subject to discipline. Cheating includes such acts as copying another's work and presenting it as one's own (or allowing someone else to copy one's work) and using unfair methods to complete a test (or helping someone to cheat). The standard disciplinary response is an immediate F (failing grade) for the course and the student placed on academic integrity probation. The disciplinary action may be decreased to failure of assignment if work is a minor part of the total grade (less than 5%) and if judged not to be premeditated.

If there is a subsequent incident of academic dishonesty, the student is placed on academic integrity suspension for the subsequent semester (may include summer suspension as well if a spring semester incident).

ACADEMIC STANDARDS

Incidents of and appeals regarding academic cheating will be directed to the chair of the ad hoc appeals committee: Registrar for traditional undergraduate courses and the Assistant Dean of the College of Graduate, Online, & Adult Learning for dual enrollment courses.

Plagiarism

Students found plagiarizing are subject to discipline. The most common errors in handling written sources are the following:

- Failure to use quotation marks when quoting
- Failure to make a thorough paraphrase when attempting to put the idea in one's own words
- Failure to give the source of the information

The standard disciplinary response for substantial plagiarism is an immediate F (failing grade) for the course and having the student placed on academic integrity probation. The disciplinary action may be decreased to failure of assignment if work is a minor part of the total grade (less than 5%) and if judged not to be premeditated. However, the professor may require the student to rewrite the paper, while still receiving an F, in order to possibly pass the course.

If there is a subsequent incident of academic dishonesty, the student is placed on academic integrity suspension for the subsequent semester (may include suspension for summer term as well if a spring semester incident).

Incidents of and appeals regarding academic plagiarism will be directed to the chair of the ad hoc appeals committee: Registrar for traditional undergraduate courses and the Assistant Dean of the College of Graduate, Online, & Adult Learning for Dual Enrollment courses.

Academic Appeals

If a student is the recipient of an academic-related action or course-related action and wishes to appeal the decision, a typewritten appeal must be submitted within 3 weeks of the date in question. (**Note:** For academic appeals regarding Dual Enrollment [DE] online courses, please refer to the DE Student Handbook.)

Academic appeals (e.g. probation, suspension, academic requirements, charges of cheating, etc.) for traditional undergraduate courses are to be submitted to the Registrar, chair of the ad hoc appeals committee.

Course-related appeals (e.g., course grades, class expectations, unfair or discriminatory actions, etc.) for traditional undergraduate courses are to be submitted to the Registrar, chair of the ad hoc appeals committee. However, before an appeal is submitted, the student must attempt to resolve the issue by:

1. speaking with the professor or party directly involved with the decision
2. speaking with the department chair/assistant dean, if the issue remains unresolved (In the event that the department chair/assistant dean is the professor in question, the student should speak with the respective college dean)
3. speaking with the respective college dean, if the issue remains unresolved
4. appealing to the ad hoc appeals committee, if still unresolved

An appeal must include an explanation of the situation and a reason for the appeal, and, for appeals not related to academic suspension, it must be based upon one or more of the following:

1. The student, in fact, did not commit the act(s) that led to the academic-related or course-related action.

2. The academic-related or course-related action is not appropriate for the act(s) committed.
3. Specified procedures have not been followed in academically disciplining the student.

If an appeal is made, the Registrar will call for an ad hoc appeals committee meeting with the committee members composed of faculty.

The decision of the appeals committee serves as a recommendation of action to the Registrar. The final decision will be placed in writing by the Registrar and communicated to the student in a timely manner. The written notification will also inform the student that the decision is final with no additional appeal recourse.

Assessment of Student Learning

As required by The Higher Learning Commission (hlcommission.org, 312-263-0456), University of Northwestern has developed an assessment plan for documenting student academic achievement. One of the primary elements in the assessment plan is the conducting of research on student learning and personal development. Students are encouraged to participate fully in such projects whenever invited to do so. The results of these assessments will enable the university to measure its effectiveness, thereby providing guidance for further improvement of instructional and student development programs.

Dean's List

Full-time matriculated (Northwestern undergraduate degree- or certificate-seeking) students with high grade point averages during a given semester (based on all courses included in the student's undergraduate semester GPA) may be recognized for their academic achievement by being included on the Dean's List. Any grade of Incomplete for any credit-bearing course for the respective semester disqualifies such students from Dean's List recognition. There are three levels of recognition, based on the semester GPA:

Highest Honors	3.90–4.00
High Honors	3.75–3.89
Honors	3.65–3.74

Disclosure Information**ANNUAL SECURITY AND FIRE SAFETY REPORT (ASR) (CLERY ACT)**

In compliance with the Clery Act (effective 1990), students may access the latest University of Northwestern Annual Security and Fire Safety Report by going to unwsp.edu/resources/public-safety/campus-safety. Printed copies of the report are also available through the University of Northwestern Admissions and Public Safety offices.

DISCLAIMER

University of Northwestern reserves the right to change, without notice, any statement concerning, but not limited to, rules, policies, tuition, fees, faculty, curriculum and courses.

NOTICE OF NONDISCRIMINATION

In accordance with applicable federal and state laws, such as Titles VI and VII of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, the Age Discrimination in Employment Act, and the Americans with Disabilities Act and ADA Amendments, the University of Northwestern does not unlawfully discriminate on the basis of sex, race, color, national origin, age, disability, marital status, genetic information, veteran status, or any other protected status under federal, state, or local law applicable to the University of Northwestern, in its education programs and activities, in employment policies and practices, and all other areas of the university. As a

faith-based institution, the university is exempted from certain laws and regulations concerning discrimination. The university maintains the right, with regard to admissions, enrollment, employment, and other matters, to uphold and apply its religious beliefs related to, among other issues, marriage, sex (gender), gender identity, sexual orientation, and sexual activity.

Sex discrimination is prohibited by Title IX of the Education Amendments of 1972, a federal law that provides that: “No person in the United States shall, on the basis of sex, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any education program or activity receiving Federal financial assistance.” The university is required by Title IX and its regulations not to engage in sex discrimination in its education program or activity, including admissions and employment. Sex discrimination is conduct based upon an individual’s sex that excludes an individual from participation in, denies the individual the benefits of, or treats the individual differently, in an education program or activity. Sexual Harassment is a form of sex discrimination. In accordance with Title IX and its regulations, this Policy addresses the university’s prohibition of the following forms of unlawful sex discrimination: Title IX Sexual Harassment, Non-Title IX Sexual Harassment, Sexual Assault, Domestic Violence, Dating Violence, Stalking, and Sexual Exploitation. Allegations of sex discrimination that do not involve Sexual Misconduct will be handled in accordance with the Non-Discrimination Policy and Harassment: All Unlawful Forms Policy.

The university will respond to reports of Sexual Misconduct promptly and equitably and appropriate action will be taken to take steps to eliminate the misconduct, prevent its recurrence, and address its effects on any individual or the community. All faculty, staff, and students are responsible for maintaining a safe environment for education and work. This includes taking appropriate action to prevent and eliminate Sexual Misconduct.

Questions or concerns about Title IX, sex discrimination, Sexual Harassment, or other forms of Sexual Misconduct may be referred to Northwestern’s Title IX Coordinator:

Meagan Buchholz
Human Resources Business Partner/Title IX Coordinator
Riley Hall: R1605
3003 Snelling Avenue North, St. Paul, MN 55113
651-631-5149
titleIX@unwsp.edu

Questions or concerns may also be referred to the U.S. Department of Education’s Office for Civil Rights:

The Office for Civil Rights
U.S. Department of Education
400 Maryland Avenue, SW
Washington, DC 20202-1100
Telephone: 800-421-3481
Facsimile: 202-453-6012
TDD#: 800-877-8339
OCR@ed.gov
www.ed.gov/ocr

Questions or concerns regarding the Rehabilitation Act and Title II of the ADA may be referred to:

Pearl Ferrin
Director of Human Resources
Riley Hall: R1705
3003 Snelling Avenue North, St. Paul, MN 55113
651-631-5375
pferrin@unwsp.edu

PRIVACY ACT

University of Northwestern conforms to the requirements of the Family Educational Rights and Privacy Act of 1974 (FERPA), as amended. Detailed information about FERPA and University of Northwestern can be found at unwsp.edu/academics/registrar/ferpa/.

FERPA sets out requirements for the protection of student privacy. It deals specifically with the education records of students, affording them certain rights with respect to those records. Students are annually notified of their detailed rights under FERPA in student handbooks and/or other means. FERPA does not apply to records of applicants for admission who are denied acceptance or, if accepted, do not attend an institution.

In keeping with the requirements of FERPA, University of Northwestern hereby designates the following items as Directory Information. The university may disclose any of these items for any purpose at its discretion without prior written consent, unless notified in writing to the contrary by the student. Directory Information includes the student’s name, address, telephone number, e-mail address, digitized image/ photograph/video, date and place of birth, major field of study, dates of attendance, grade level, enrollment status (e.g., undergraduate, full-time or part-time, etc.), participation in officially recognized activities and sports, weight and height of members of athletic teams, degrees, honors, and awards received, and the most recent previous educational institution attended.

Currently enrolled students may withhold disclosure of information under the provisions of FERPA. To withhold disclosure, a Request to Restrict Information form must be submitted.

Submitting this form will make the directory information confidential until the student requests to lift the restriction. As with all confidential student records, University of Northwestern will release information to designated parties only with the express written consent of the student or as otherwise required by law. Failure of the student to specifically request the withholding of directory information indicates approval of disclosure.

Each student should give careful consideration to the consequences of any decision to withhold directory information. Should the student decide to do this, all future requests for directory information, however legitimate, will be refused. This includes family, friends, prospective employers, credit agencies, and others to whom the student may want this information known. University of Northwestern cannot assume the responsibility to contact the student for subsequent permission to release directory information. Regardless of the effect upon the student, the university assumes no liability for honoring an instruction to withhold directory information.

Further information concerning FERPA may be found at unwsp.edu/academics/registrar/ferpa/. Questions or concerns may also be referred to the U.S. Department of Education’s Family Policy Compliance Office:

Family Policy Compliance Office
U.S. Department of Education
400 Maryland Avenue, SW
Washington, D.C. 20202
E-mail: FERPA@ed.gov
<http://www.ed.gov/ferpa>

ACADEMIC STANDARDS

RETENTION & GRADUATION RATES

In compliance with the Student Right-to-Know and Campus Security Act of 1990, University of Northwestern is engaged in an ongoing study of retention and graduation rates.

For the last nine years, the percentages of new freshmen still enrolled at the start of the next academic year have been as follows:

YEAR OF FRESHMAN CLASS AND THE PERCENT STILL ENROLLED AT START OF NEXT ACADEMIC YEAR:

2013 – 83%	2016 – 83%	2019 – 83%
2014 – 82%	2017 – 77%	2020 – 81%
2015 – 83%	2018 – 82%	2021 – 81%

The overall graduation rate (i.e., Student Right-to-Know or IPEDS graduation rate) for students who began their studies in fall 2016 was 70%.

SOLOMON AMENDMENT

University of Northwestern must comply with the Solomon Amendment and therefore supplies the following student data upon request to the Department of Defense, military services, and other related federal agencies for the purpose of recruitment and manpower fulfillment:

Student’s name, address, UNW email address, telephone listing, age (or year of birth), place of birth (not currently collected or available), level of education (e.g., freshman, sophomore, or degree awarded for a recent graduate), most recent educational institution attended, and current major(s).

FOR FURTHER INFORMATION OR SPECIFIC QUESTIONS, PLEASE CONTACT THE REGISTRAR.

TITLE II

In October 1998, the United States Congress voiced its concern for the quality of teacher preparation by enacting Title II of the Higher Education Act. Title II authorized federal grant programs that support the efforts of states, institutions of higher education, and their school-district partners to improve the recruitment, preparation, and support of new teachers. Title II legislation also included accountability measures in the form of reporting requirements for institutions and states on teacher preparation and licensing.

As required by Section 207 of Title II, University of Northwestern submitted an institutional report in April 2021, including pass rates of 2019–2020 teacher education graduates and enrolled students on standardized basic skills, pedagogy and content knowledge assessments, and other program characteristics. This information becomes part of a statewide report that compares all teacher preparation programs in Minnesota according to their graduates’ examination scores. In turn, the U.S. Department of Education compiles a national report and issues a “report card” on the quality of teacher preparation in each state.

Title II also requires institutions to disclose summaries of their annual reports to the general public. This information is available at unwsp.edu/student-consumer-info.

Good Academic Standing

The criteria for good academic standing in bachelor’s degree programs are as follows:

Cumulative Semester Credits Attempted	Minimum Cumulative GPA Required for Good Standing
<small>(INCLUDES TRANSFER CR & CR-BY-EXAM)</small>	
0–15.....	1.600
16–29.....	1.700
30–44.....	1.800
45–59.....	1.900
60+.....	2.000

The criteria for good academic standing in associate degree programs are as follows:

Cumulative Semester Credits Attempted	Minimum Cumulative GPA Required for Good Standing
<small>(INCLUDES TRANSFER CR & CR-BY-EXAM)</small>	
0–15.....	1.600
16–23.....	1.700
24–31.....	1.800
32–39.....	1.900
40+.....	2.000

Undergraduate Grading System

GRADES & GRADE POINTS

Quality of work is indicated through the use of grades and grade points, assigned as follows:

GRADE	QUALITY	GRADE POINTS
A.....	Excellent.....	4.00
A-		3.67
B+		3.33
B.....	Good.....	3.00
B-		2.67
C+		2.33
C.....	Satisfactory.....	2.00
C-		1.67
D+		1.33
D.....	Poor.....	1.00
D-		0.67
F.....	Failure.....	0.00

GRADE	QUALITY
AU.....	Audit
I.....	Incomplete coursework
IP.....	In Progress
LP.....	Low Pass (equal to D-, D, D+)
NC.....	No Credit
NR.....	Not Reported
P.....	Pass (minimum of C-)
S.....	Satisfactory
SNE.....	Satisfactory/Not Earned
U.....	Unsatisfactory
UNE.....	Unsatisfactory/Not Earned
W.....	Withdraw 16–70% of way through term
WC.....	Withdrawal COVID-19
WV.....	Waived

GRADE POINT AVERAGE

Credits with grades of A through F contribute to total grade points and are called “quality credits.” The cumulative grade point average (GPA) is the result of dividing total grade points by total quality credits for all courses taken in University of Northwestern academic programs.

W GRADE

When a student withdraws from a course the transcript will reflect a notation of W if the withdrawal occurs during the time frame indicated below:

- Semester-length course: after the second academic week and by no later than the tenth academic week.
- Quad (half-semester) course: after the sixth academic day and by no later than the 25th academic day.
- After that point, the grade earned will be entered on the transcript. (See chart on page 30.)

I GRADE

An I is given only if the instructor is satisfied that there is a valid excuse, such as prolonged illness. Incompletes are given only by pre-arrangement with the instructor and must be removed within ten calendar weeks from the last day of final exams for the quad or semester or the last day of summer session. Failure to do so will result in a failing grade being entered on the transcript.

P/NC & S/U GRADES

1-credit co-curricular courses (exceptions are noted in the Co-curricular Activities section of this catalog), missions experiences courses, and other courses approved by the Academic Policies and Curriculum Committee are graded on a Pass/No Credit basis. A grade of P permits credit without influencing GPA calculations; a grade of NC disallows credit but does not affect grade point average. In courses which are required but carry no credit, the grading system is S (Satisfactory) or U (Unsatisfactory). For the purpose of transfer, a P grade is equivalent to a C- or higher and an NC grade is equivalent to an F.

REPEATING A COURSE

For courses specifically designated as repeatable (e.g., choir), the below information does not apply.

For courses not specifically designated as repeatable, a student may repeat any course no matter the grade earned; however, a student who receives a grade of F in any course is strongly advised to repeat that course as soon as possible. Students on probation will find that this is the most effective way of raising their cumulative grade point averages.

The grade earned for the most recent enrollment will be used in calculating the cumulative GPA. While all previously earned grades remain on the academic record, they are not counted in GPA calculations.

In regards to financial aid and Title IV funding in relation to the repeating of a course, the following applies:

- A failed course may be repeated as many times as needed until passed.
- A previously passed course may only be repeated once.
 - This includes even those courses where a higher grade is required for the major (e.g., minimum of C for Business Core courses, etc.).
 - This does not include courses designated as repeatable (e.g., ensembles, workshops, etc.) as these are not restricted nor limited (unless designated otherwise), and, therefore, a student may repeat these courses as often as needed.
 - If a student finally passes a failed course with a passing grade, he/she may repeat the course one more time to try to achieve a higher grade.

SPECIAL PROGRAMS

Special Programs

Articulation Agreement in Music

Northwestern has an articulation agreement with Anoka-Ramsey Community College (ARCC) that facilitates credit transfer and provides a smooth transition for a student's Associate in Fine Arts: Music from ARCC to Northwestern's Bachelor of Arts degree in Music. Students must complete the entire ARCC program and

meet Northwestern's admission requirements. Students must earn a grade of C- or better for credits to transfer. Students must fulfill the graduation requirements at both institutions. Contact the Office of Admissions at admissions@unwsp.edu for the Program Articulation Table to see which specific courses will transfer.

Credit Transfer Agreements

Northwestern agrees that undergraduate-level credits (as defined by Northwestern's curriculum) with grades of C- or better or graduate-level credits with grades of C or better (as defined by Northwestern's curriculum) earned at the following institutions, prior to admittance to Northwestern, are transferable and will be applied, as appropriate, to the student's chosen academic program at University of Northwestern. Applicability of credits may vary among academic programs based upon catalog requirements. The following list is subject to change.

Ambassador College of Bible & Ministry, Hudson, WI
Apostolic Bible Institute, St. Paul, MN
CreatED Institute, Black Mountain, NC

HOPE School of the Bible
Jackson Hole Bible College, Jackson, WY
Montana Wilderness School of the Bible, Augusta, MT
Nicolet Bible Institute
Ravencrest Chalet Bible School, Estes Park, CO
Solid Rock Discipleship Program, Long Prairie, MN
Timberline Lodge, Winter Park, CO
Torchbearers Bible School Bodenseehof, Bodensee, Germany
Village Schools of the Bible, Minnetonka, MN
YWAM, Lakeside, Montana
YWAM, Newcastle, Australia

Eagle Scholars Honors Program

The mission of University of Northwestern – St. Paul is to provide Christ-centered higher education, equipping believers to grow intellectually and spiritually; to serve effectively in their professions; and to give God-honoring leadership in the home, church, community, and world. Believing that God has called His disciples to excellence and to "study to show [themselves] approved," the Eagle Scholars Honors Program exists to equip Christian students who have notable academic ability. Simply put, Northwestern wants to encourage exceptional students for the Lord's service and to enhance the general academic environment of the university.

Northwestern's Honors Program challenges high-ability students to achieve beyond the normal rigors of university coursework. We expect

that students will perform at this high level in both the quantity and the quality of their academic work. The program provides students with opportunities to learn in a variety of disciplines. The Eagle Scholars Honors Program offers a social network for students and better prepares them for graduate school or the professional world. In addition, the program benefits the larger community of University of Northwestern – St. Paul as these students contribute significantly to their classes, participate in extracurricular activities, and volunteer for various Northwestern ministries.

We anticipate that these students will be a continuing testimony to the Christian call to excellence in scholarly achievement, while they are students at Northwestern and after they graduate.

ROTC

Northwestern students have the opportunity to participate in the Air Force ROTC at the University of St. Thomas or the Army ROTC at the University of Minnesota. Aerospace and military science courses at these two institutions may be applicable to University of Northwestern graduation requirements. Students accepted into these programs are eligible to apply for ROTC Scholarships. (See the Financial Aid section for addresses and telephone numbers.)

Air Force ROTC (AFROTC) is a nationwide program that allows students to pursue commissions (become officers) in the United States Air Force (USAF) while simultaneously attending college. AFROTC classes are held on college campuses throughout the United States and Puerto Rico. AFROTC consists of four years of Aerospace Studies classes (Foundations of the USAF, Evolution of USAF and Space Power, Air Force Leadership Studies, and National Security Affairs/Preparation for Active Duty) and a corresponding Leadership Laboratory for each

year (where students apply leadership skills, demonstrate command and effective communication, develop physical fitness, and practice military customs and courtesies). College students enrolled in the AFROTC program (known as "cadets") who successfully complete both AFROTC training and college degree requirements will graduate and simultaneously commission as Second Lieutenants in the active duty Air Force.

The AFROTC program is currently offered at University of St. Thomas, which has a crosstown agreement that allows Northwestern students to enroll in AFROTC and become full-fledged cadet participants. For more information on AFROTC course descriptions, please review stthomas.edu/catalog/current/aero/. For more information on the AFROTC program, please review stthomas.edu/afrotc/ or contact the Department of Aerospace Studies at the University of St. Thomas at 651-962-6320.

Study Abroad and Off-Campus Programs

Northwestern accepts credits (C- or higher) for undergraduate coursework that admitted students pursue at or through these affiliated programs/institutions, while enrolled as a Northwestern student. Students will need to obtain specific program and academic pre-approval from Northwestern before applying to one of these programs/institutions. Contact the Center for Global Programs at global@unwsp.edu for more information. The below list is subject to change.

AMERICAN COLLEGE OF GREECE

The American College of Greece (ACG) is the oldest American-accredited college in Europe and the largest private college in Greece. ACG offers a holistic student experience with a full range of co-curricular and extra-curricular programs. With more than 1,000 courses each academic year, all taught in English, students can easily find course options within their major or core curriculum. Excursions to one of the Greek islands, a downtown tour of Athens, and a trip to ancient Delphi are included in the semester-abroad experience.

AU SABLE INSTITUTE

Au Sable Institute is an institution designed to promote Christian environmental stewardship through college courses, certification programs, internships, workshops, and conferences. Supported by the natural settings of the Great Lakes Forest of northern Michigan, participants take courses, engage in scholarship, gain field experience, confer, and develop practical tools for environmental stewardship in programs that take seriously both science and theology.

API (ACADEMIC PROGRAMS INTERNATIONAL)

API partners with host universities and local organizations across Asia, Europe, Latin America and the Middle East to offer a diverse set of experiences abroad, including study, intern, work, teach, and volunteer options. Students can choose from short-term, semester-long, and full-academic-year programs that complement a variety of major disciplines.

CANIL-TWU (CANADA INSTITUTE OF LINGUISTICS AT TRINITY WESTERN UNIVERSITY)

CanIL, a program of SIL International, formerly known as the Summer Institute of Linguistics, provides a fieldwork approach to linguistics training, research and language development. In its academic programs, hosted by postsecondary institutions, field linguists experienced in minority languages prepare students for language research, literacy development, and translation cross-culturally. SIL International is recognized for its work worldwide on language data and biblical translations.

CCCU GLOBALED

University of Northwestern is a member of the CCCU, which provides an array of GlobalEd off-campus study programs to students of its member institutions. GlobalEd offers programs at local host universities worldwide where students can transfer credit from Oxford Summer and Scholars' Semester at University of Oxford, and the Uganda Studies Program at Uganda Christian University. Additional opportunities where students can earn Northwestern credit are available with the American Studies Program (Washington, D.C.) and the Middle East Studies Program (Jordan).

CEA (CULTURAL EDUCATION ABROAD)

With destinations in 21 cities across a dozen countries, CEA offers a balance of international academic programs and adventure. Students may choose from standard, hybrid, and multi-site programs. Internships, service learning, and global career development certification are also available in multiple CEA programs.

DALLAS INTERNATIONAL UNIVERSITY

The mission of Dallas International University (DIU), as an institution of higher education, is to provide education and research opportunities leading to degrees in applied linguistics, culture studies, and development of languages. SIL International, formerly known as the Summer Institute of Linguistics, founded DIU in order to receive accreditation in the U. S. for its training.

FOREST SPRINGS CAMP AND CONFERENCE CENTER

Forest Springs' mission is to provide programs and facilities in a camping environment with a trained service-oriented staff who use the Word of God to help initiate faith and cultivate maturity in Jesus Christ. As an affiliate member institution, Northwestern students can participate in the LTD program, which prepares participants for effective ministry in Christian camping, or related fields. The program strengthens Christian leadership qualities through classroom instruction, informal discussion, and "hands-on" experiences.

ISA (INTERNATIONAL STUDIES ABROAD)

ISA partners with several local universities in 28 different countries across Africa, Asia, Europe, Latin America, Middle East, and the Pacific to offer opportunities for study abroad, internships, and service learning. ISA also facilitates the EuroScholars program, which is a prestigious program designed for talented and highly motivated undergraduate students looking to participate in international research. Included in all ISA programs is the Bridging Cultures Program, which integrates goal setting, intercultural awareness, diversity, and professional development.

JERUSALEM UNIVERSITY COLLEGE

Jerusalem University College, also known as the American Institute of Holy Land Studies, is an extension campus in Jerusalem for approximately 85 regionally or professionally accredited Christian universities, colleges, and seminaries located throughout the world. JUC programs provide a life-changing opportunity for students to enrich their biblical understanding by study and travel in Israel.

THE KING'S COLLEGE NYC SEMESTER

New York City Semester is a visiting students program of The King's College. The exciting and rigorous program is located in Manhattan's Financial District. Students will learn from award-winning professors while taking advantage of unparalleled networking opportunities, cultural experiences, and more. Students can choose from three program tracks: Journalism, Business, or Theatre.

LCC INTERNATIONAL UNIVERSITY

LCC International University is a nationally and internationally recognized faith-based liberal arts institution in Klaipėda, Lithuania. Students can study a variety of courses to meet general education (core) requirements, as well as upper-division courses in business, English, psychology, communications, international relations, and theology. Northwestern students receive housing with 3 or 4 international roommates, a monthly stipend for food and entertainment, and free use of textbooks. The semester includes group travel to Russia, Latvia, and Estonia.

LIVERPOOL HOPE UNIVERSITY

Liverpool Hope University is distinctive in that it is the only university foundation in Europe (and the USA) where Catholic and Anglican colleges have come together to form an integrated, ecumenical, Christian foundation. Students can study for a semester or Maymester in a variety of subject areas such as business, humanities, creative arts, theology, psychology, and health sciences. With two campuses in the delightful city of Liverpool, there is something available for every major. Excursions to Chester, England, and Wales are included in the semester program.

SPECIAL PROGRAMS**SEMESTER IN SPAIN**

Semester in Spain (SIS) is a program of Trinity Christian College located in Seville, Spain. It provides high-quality academic courses in the language, literature, history, and culture of Spain. To accomplish this, the program employs a faculty of highly qualified individuals, all Spanish nationals. Practical learning opportunities through language immersion and excursions complement the academic program.

STRANMILLIS UNIVERSITY COLLEGE

Stranmillis University College is a college of Queens University in Belfast, Northern Ireland. Stranmillis is internationally recognized as a center of excellence for teacher education programs and hosts approximately 80 international students each year for a semester of academic classes combined with supervised field experiences in local schools. Elementary Education majors have the option of completing a Global Studies Emphasis at Stranmillis. A number of opportunities are available across majors for semester and summer terms, including a 2-3 week Maymester to learn about the history, heritage and culture of Ireland including Peacebuilding and Reconciliation, Children's Literature, Community and Culture, Early Childhood Education, Contemporary Approaches to Teaching Languages, and Exercise Science and Sport.

STUDENTS INTERNATIONAL

Students International (SI) is a mission and community development organization with operations in various countries, including Costa Rica. SI's passion is to provide students with opportunities to participate in ministry and service sites that are related to their personal, academic, and vocational interests. In semester-long academic

programs, students are mentored by SI full-time staff members as they serve in Costa Rica. SI provides student experiences that are transformative spiritually, academically, vocationally, and personally while simultaneously focusing on Christ-centered ministry through SI's presence within the San Jose, Costa Rica community.

TOKYO CHRISTIAN UNIVERSITY

Students Tokyo Christian University provides students with plenty of ways to study and see firsthand the religions of Japan and personally experience what it means to be a Christian in an East Asian context. The one-semester option provides a package of courses carefully tailored to give students a guided experience to the history, art, and modern culture of the Japanese people. A short home-stay with a Japanese family and the friendship of Japanese other international students in the dorms offers an immersive experience unique to the program.

VERITAS CHRISTIAN STUDY ABROAD

Veritas Christian Study Abroad is a division of ISA. All Veritas programs offer study abroad and mission opportunities for semester and summer terms. Certain programs also offer academic year terms or intensive language programs. The mission of Veritas Christian Study Abroad is to provide college-level study abroad programs at host universities while helping students develop as mission-minded Christian leaders as they learn to live and serve in another culture. Students will receive on-site spiritual support from a Mission Mentor who will help make their time abroad a spiritually challenging and growing experience. The Mission Mentor will also engage students in Christian community through a local church and other ministry opportunities.

Dual Enrollment

The Office of Dual Enrollment (DE) serves both high school and college students, housing a course format that allows students to take Northwestern courses online. Students order textbooks (when they are not provided in electronic format) consistent with traditional undergraduate course practices. Other resources needed to complete courses, including audio and video presentations, are online. DE courses are developed by Northwestern faculty and each online course provides interaction between students and professors. DE follows its own calendar (see page 3).

Current offerings include courses that meet traditional undergraduate core curriculum requirements (see pages 41–42), as well as courses that lead toward a certificate (Certificate in Bible) or degree (Bachelor of Arts in Biblical & Theological Studies; Associate of Arts & Bible; Associate of Arts in Liberal Studies).

Two programs are available for public-, private- and home-schooled high school juniors and seniors. The Early College program allows students to take core curriculum university courses at a reduced cost. These courses may also be applied to the student's high school

diploma, if the high school allows. The Postsecondary Enrollment Options (PSEO) program also provides most core curriculum courses. Tuition and most materials for PSEO are funded by the state for Minnesota residents. PSEO courses must be applied to the student's high school transcript.

Since new course offerings are being added each year, students should contact DE for the most up-to-date listing of courses and programs available. While anyone with a high school diploma or its equivalent may take individual courses, those desiring to apply DE courses toward a degree program at University of Northwestern must be admitted to the university according to regular admission criteria. Taking and passing DE courses without being admitted to University of Northwestern does not imply admissibility to the institution or eligibility to complete a certificate or degree program and does not grant eligibility to participate in co-curricular activities (e.g., collegiate level music, drama, or athletics; See pages 10-11). Contact the Office of Dual Enrollment at 651-631-5300 or toll-free at 888-216-0069, e-mail de@unwsp.edu, or find more information online at unwsp.edu.

Course Numbering and Subject Prefixes

Each course is designated by a three-letter subject prefix and a four-digit course number.

Course Levels

0001–0999	Not applicable to degree requirements
1000–1999	Freshman courses
2000–2999	Sophomore courses
3000–3999	Junior courses
4000–4999	Senior courses
5000–6999	Graduate courses

NOTE: APPLIED MUSIC AND MUSIC ENSEMBLE COURSES HAVE THEIR OWN NUMBERING PATTERNS. SEE PAGES 193–196.

Course Numbering System

DIGIT REGULAR COURSES

1st	Course Level: 0=Nondegree, 1=FR, 2=SO, 3=JR, 4=SR
2nd	Prerequisite Course Level Required Class Standing 0=None, 1=FR, 2=SO, 3=JR, 4=SR
3rd	Content Groupings (vary by department)
4th	Sequential Courses: 1–4 Stand-Alone Courses: 5–9 and 0

DIGIT SPECIAL COURSES

1st	Course Level: 0=Nondegree, 1=FR, 2=SO, 3=JR, 4=SR
2nd	Course Types: 6=Practical Experience, 7=Off-Campus Program (in some cases), 8=Topics/Dir Stdy/Honors/Seminar/SR Project/Capstone, 9=Professional Experience
3rd	Course Subtypes (same for all departments)
4th	Sequential Courses: 1–4 Stand-Alone Courses: 5–9 and 0

Course Numbering System Suffixes

D	Dual Licensure Student Teaching (Education)	L	Lab (Science) or Field Experience (Education)
E	Elementary Student Teaching (Education)	M	Middle School Student Teaching (Education)
H	High School Student Teaching (Education)	U	Graduate-level Course
I	Instrumental Field Experience (Education) or International Student Teaching (Education)	V	Vocal Field Experience (Education)

COURSE NUMBERING AND SUBJECT PREFIXES**Subject Prefixes**

ACC	Accounting	LIN	Linguistics
ACL	Ancient and Classical Languages	LIT	Literature
ANI	Animation & Illustration	LTH	Literary Theory
ARA	Arabic	MAE	Mathematics Education
ART	Art	MAT	Mathematics
ASI	Au Sable Institute	MCH	Music in the Church
ASP	American Studies Program	MDS	Multi-Disciplinary Studies
ATH	Athletics / Intercollegiate	MEN	Music Ensembles
BIA	Biblical Arts	MEP	Media Production
BIB	Bible	MES	Middle East Studies
BIO	Biology	MGT	Management
BUS	Business	MIN	Ministry
CFD	Child and Family Development Education	MIS	Management Information Systems
CFS	Forest Springs Camp & Conference Center	MKT	Marketing
CHE	Chemistry	MTC	Music Theory and Composition
CHN	Chinese	MUE	Music Education
COM	Communication	MUH	Music History
COS	Computer Science	MUL	Music Literature
CRJ	Criminal Justice	MUP	Music, Applied
CYS	Cybersecurity	MUS	Music, General
DAL	Data Analytics	NUR	Nursing
DES	Design	PHE	Physical Education, Activity Courses
EAR	Visual Arts Education	PHI	Philosophy
ECE	Early Childhood Education	PHY	Physics
ECO	Economics	POS	Political Science
EDE	Communication Arts/Literature Education	PRL	Public Relations
EDL	English as a Second Language Education	PSY	Psychology
EDU	Education	RDG	Reading
EEL	Elementary Education	RUS	Russian
EGR	Engineering	SCI	Science, General
ENG	English	SIA	Students International Abroad
EPH	Physical Education	SOC	Sociology
ESL	Teaching English to Speakers of Other Languages	SPA	Spanish
FIN	Finance	SPD	Special Education
GEO	Geography	SPE	Speech
GST	General Studies	SPN	Spanish
HCM	Healthcare Management	SSE	Social Studies Education
HIS	History	STS	Study Skills
HPE	Health/Physical Education	THE	Theatre
HSC	Health Sciences	WLE	World Language Education
ICS	Intercultural Studies	YOU	Youth Studies
IDS	Interdisciplinary Studies		
JOU	Journalism		
KIN	Kinesiology		
LAN	Languages and Cultures		
LDR	Leadership		

A LIST OF PLANNED COURSE OFFERINGS (X-CHART), AVAILABLE ON THE REGISTRAR'S OFFICE CONFLUENCE SPACE OR IN THE REGISTRAR'S OFFICE, LISTS THE INTENDED SCHEDULE OF COURSES FOR FOUR YEARS IN ADVANCE. HOWEVER, THAT LISTING IS SUBJECT TO REVISION. CLASSES FOR WHICH THERE IS INSUFFICIENT DEMAND ARE SUBJECT TO CANCELLATION.

Bachelor's Degree Programs

This section indicates requirements for all bachelor's degree programs offered at University of Northwestern: Bachelor of Arts, Bachelor of Science, Bachelor of Music, Bachelor of Music Education, and Bachelor of Science in Nursing. Bachelor of Arts programs include a foreign language requirement.

Students in majors offered as Bachelor of Science programs may choose to graduate with a Bachelor of Arts degree if they meet the foreign language requirement. However, students in majors offered only as Bachelor of Arts programs may not elect to graduate with a Bachelor of Science degree.

Students may seek more than one baccalaureate degree but it must be a different degree from the previous one(s) (e.g., Bachelor of Arts versus Bachelor of Science). Additionally, the student must complete a minimum of 30 credits beyond the initial degree in a different major. At least 155 credits are required for graduation with a double degree. All prerequisites, supporting courses and departmental requirements for each major must be completed. The student should confer with the departments in which the majors are sought and with the Registrar. On the issue of double major, see page 47.

Core Curriculum

BECOMING LIKE CHRIST FOR GOD'S GLORY: THE CORE OF THE NORTHWESTERN CURRICULUM

Purpose of the Core Curriculum

The Core Curriculum at University of Northwestern – St. Paul provides a structure through which the educational philosophy of the institution is achieved. Grounding all intellectual inquiry in the truth of the Bible and God as the Ultimate Reality of the universe requires exploration of the following three critical questions, all of which find their answer in Christ.

- **What is real?** Christ is the foundation of all reality (Col. 1)
- **What can we know?** Christ is the source of all knowledge (Col. 2)
- **How should we live?** Christ is our model (Phil. 2)

The Core Curriculum seeks to support students in developing a deep understanding of these truths and in applying them in their lives and within a variety of disciplinary contexts. The transformative process of “becoming like Christ for God's glory” is at the center of all intellectual inquiry at Northwestern. The Core Curriculum provides a foundation for this inquiry which is later expanded within the specific academic discipline.

What does it mean to “Become like Christ for God's Glory”?

The Scriptures teach us that the ultimate purpose of all things is the glory of God. Whether in small things like eating or drinking (I Cor. 10:31), or important things like doing good works and living godly lives in our bodies (Matt 5:16, I Cor. 6:20), our adoption through Jesus Christ has the glory of God as its goal (Eph. 1:12). For this reason, near the end of his ministry Jesus prayed, “Father, glorify your name!” (John 12:28). All creation exists to bring glory to God—even nature itself (Ps. 19:1)—and as His children we are called to reflect that glory. But what is the glory of God? When Moses encountered God, he asked to see God's glory. God's response was that He would show Moses His goodness, proclaim His sacred Name, and have grace and compassion on whomever He wills (Ex. 33:18-19). Thus, the glory of God is the manifestation of His divine attributes, especially His sovereignty, goodness, grace, and compassion. Furthermore, Jesus told His disciples that the Father is glorified when we bear fruit (John 15:8).

How is it that we are able to bear fruit that leads to the glory of God? We are not able to do this on our own, because apart from Christ we are dead in our trespasses and sins (Eph. 2:1). For this reason, the Gospel calls all people to turn to God in repentance and believe in the Lord Jesus Christ (Acts 20:21), which leads to forgiveness and sanctification (Acts 26:18). After entering into this new life in Christ, we must be filled with the Holy Spirit to develop the Christian virtues known as the fruit of the Spirit (Eph. 5:18 and Gal. 5:22-23). The work of the Holy Spirit and the word of Christ (Col. 3:16) then result in our transformation into the image and likeness of Christ (Rom. 8:29; II Cor. 3:18; Eph. 4:13). Thus, to give God glory is to make the invisible God visible by manifesting the life of Christ through the fruit of the Holy Spirit.

CORE CURRICULUM

Structure of the Core Curriculum

The structure of the Core Curriculum allows all students to engage in the following areas of learning.

- **Foundational Skills:** Coursework is designed to provide foundational skills in effective oral and written communication and information literacy, recognizing that these are essential skills across academic disciplines.
- **Biblical Thinking & Living:** Students are provided with opportunities to study Scripture in depth, to develop interpretive skills, and to wrestle with difficult theological and philosophical questions that will allow them to articulate a Christian perspective on personal, academic, religious, and social issues that is grounded in biblical truth. Transformation into the image of Christ is at the center of this study and allows students to confidently step into the challenging conversations that we all encounter in a secular society.
- **Leadership & Professionalism:** Students complete a two-course sequence in leadership development that examines the integration of personal spiritual formation, biblically based leadership, professional skills, and cultural and global engagement. A focus on individual strengths and motivations and their impact on calling and career is included.
- **Cultural & Global Engagement:** Students develop an understanding and appreciation of their own and others' historical, societal, and cultural perspectives. Skills in intercultural competence, thoughtful civic participation, and responsible global engagement with a biblical mindset are emphasized. Students are encouraged to select experiences such as cultural and global engagement courses, modern world languages, study-abroad experiences, or cross-cultural opportunities which will contribute to their own personal growth related to cultural and global engagement.
- **Broad Exposure to Academic Disciplines:** Recognizing that professionals need skills from a variety of academic fields, students are given the opportunity to explore a broad range of courses from different disciplines. These include academic areas such as the humanities, the arts, social sciences, mathematics, and natural sciences.

Core Curriculum REQUIREMENTS.....55-57 cr

University of Northwestern seeks to produce, through completion of core curriculum requirements, a Christlike, Spirit-filled graduate who is broadly educated in terms of a biblical worldview.

Biblical Thinking & Living 22 cr

BIA1007	Christian Thinking & Living (or BIA1826 Honors)	2
BIA1015	Interpreting Scripture (or BIA1827 Honors) or MIN2016 Biblical Interpretation for Study	2
BIB2005	Survey of the Old Testament (or BIB2827 Honors)	4
BIB2008	Survey of the New Testament (or BIB2826 Honors)	2
	Bible Exposition: Select from ACL2001, 2002, 2011, 2012, 3201, 3202; BIB3015–3020, 3115-3827, 6211U, 6214U	4
BIB4360	Systematic Theology (or BIB4825 Honors) or BIB4365 or BIB4460 (or BIB6312U for Accelerated/Dual Degree B.A./M.Div. program)	4
	Theological Philosophy (select from list on page 43)	4

Leadership & Professionalism 6 cr

LDR1015	Leadership for Transformation (or LDR1825 Honors) or	
LDR1011	Spiritual and Personal Formation for Leadership and	
LDR2112	Relational and Cultural Awareness in Leadership	4
LDR4425	Leading with Courage and Calling (or LDR4825 Honors)	2

Effective Communication 7-8 cr

ENG1105	Composition (or ENG1825 Honors) and, if required, ENG1105L English Composition Lab or	
	LAN1105L English Composition Lab	4-5
SPE1075	Public Speaking (or SPE1825 Honors)	3

Critical Thinking & Information Literacy 2 cr

ENG2205	Critical Thinking & Writing (or ENG2825 Honors)	2
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Cultural & Global Engagement 6-7 cr

HIS1005	Historical Perspectives on Culture, Belief, & Civilization (or HIS1825 Honors or HIS1826 Honors) and, if required, HIS1005L Historical Perspectives Lab	4-5 cr
	Cultural & Global Engagement / Modern World Language (select from list on page 43)	2

Creative Expression 4 cr

	Art, Music, Theater, Film, Literature (select from list on page 43)	4
	A MAXIMUM OF 2 CREDITS IN MUSIC ENSEMBLES OR THE1045 MAY APPLY.	

Scientific & Quantitative Literacy 8 cr

	Mathematics, Natural Science, Social Science (select from list on page 43). 8 MUST INCLUDE AT LEAST ONE MATHEMATICS AND ONE NATURAL SCIENCE COURSE. EXCLUDES BIO1015.	
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Core Curriculum CATEGORY COURSE LISTINGS

The below course listing relates to the core curriculum requirements on pages 42, 89, 94, and 133.

BIBLICAL THINKING & LIVING

THEOLOGICAL PHILOSOPHY

BIA5021U	Apologetics	2 cr	PHI3014	History of Philosophy: Contemporary.	2 cr
BIB	Topics in Bible as approved by core curriculum committee		PHI3025	God and Philosophy	4 cr
PHI2005	Introduction to Philosophy**	4 cr	PHI3028	The Problem of Suffering	2 cr
PHI2006	Fundamentals of Logic	2 cr	PHI3035	Metaphysics.	2 cr
PHI2016	Ethics	4 cr	PHI/SCI3037	Science and Theology	4 cr
PHI2055	Introduction to Theological Philosophy	2 cr	PHI3057	Christian Apologetics	2 cr
PHI3011	History of Philosophy: Ancient	2 cr	PHI3145	The Nature of Knowledge	2 cr
PHI3012	History of Philosophy: Medieval	2 cr	PHI	Topics in Philosophy as approved by core curriculum committee	
PHI3013	History of Philosophy: Modern	2 cr			

CULTURAL & GLOBAL ENGAGEMENT

COM3107	Intercultural Communication	4 cr	MIN5610U	Ministering Culturally and Globally.	2 cr
EDU3209	Human Relations in a Cross-Culturally Diverse World	2 cr	MUH3106	Music in World Cultures	2 cr
EDU3209L	Human Relations Lab	0 cr	NUR3317	Serving Transcultural Populations.	4 cr
EDU3225	Educating Multilingual Learners.	2 cr	THE3075	Theatre Study Tour	2 cr
HIS3155	History of East Asia	4 cr		Modern language courses (e.g., CHN, RUS, SPA prefix)	
HIS3156	History of Russia from Earliest Times to the Present	4 cr		Study abroad courses* from the below:	
HIS3166	History of the Modern Middle East	4 cr		American College of Greece — Greece	
ICS2015	World Religions	4 cr		API (Academic Programs International)	
ICS2045	Cultural Anthropology	4 cr		CanIL-TWU (Canada Institute of Linguistics at Trinity Western University) — Canada	
ICS3015	Race and Ethnicity in America.	4 cr		CCCU GlobalEd – (approved for experiences at international locations)	
ICS3016	Understanding Islam.	2 cr		CEA (Cultural Education Abroad) — Europe and South America	
ICS3067	Social Justice.	2 cr		Dallas International University — Texas	
ICS3068	Relief and Development	2 cr		ISA (International Studies Abroad) — Asia, Europe, Pacific, Central and South America	
ICS3206	Intercultural Teamwork	2 cr		LCC International University — Lithuania	
ICS3209	Urban Community Development.	2 cr		Liverpool Hope University — England	
ICS4025	Culture, Change, and Worldview.	2 cr		Semester in Spain — Spain	
LIN2226	Introduction to Linguistics.	4 cr		Stranmillis University College — Northern Ireland	
LIT2118	Multiethnic American Literature**	4 cr		Students International — Costa Rica	
LIT2156	Contemporary Poetry.	2 cr		Tokyo Christian University — Japan	
LIT2157	Contemporary Fiction	2 cr		Veritas Christian Study Abroad a program of ISA	
LIT3145	Contemporary World Literature.	2 cr			
MEP3805	Special Topic: Global Media Ministry	2 cr			
MIN3207	Ministry in a Globalized World	2 cr			

CREATIVE EXPRESSION

	Any ART-prefix course(s) except ART4855, ART4995		MUH3106	Music in World Cultures	2 cr	
COM2007	Introduction to Film	2 cr	MUS1075	Introduction to Music**	2 cr	
COM2008	Film Appreciation**	3 cr		Music Ensembles MEN: 3001, 3002, 3003, 3030, 3031, 3040, 3041		
DES1031	Introduction to Layout.	2 cr		(MAXIMUM OF 2 CREDITS MAY APPLY TOWARD CREATIVE EXPRESSION)		
DES2111	Introduction to Graphic Design	2 cr	SPA3325	Latin American Short Stories	4 cr	
ENG2215	Writer's Style	2 cr		Study Abroad courses* from the below:		
ENG2216	Writing of Poetry.	2 cr		Liverpool Hope University (Liverpool & The Arts: Creative Lab).	3 cr	
ENG2217	Writing of Fiction	2 cr		THE1035	Introduction to Dance	2 cr
	Any LIT-prefix course(s)			THE1045	Theatre Production and Performance	
MCH3007	History of Music in the Church.	2 cr		(MAXIMUM OF 2 CREDITS MAY APPLY TOWARD CREATIVE EXPRESSION)		
MDS1825	Honors Big Ideas Through the Creative Lens	2 cr		THE1051	Acting I	4 cr
MEP1012	Audio Production	3 cr		THE1055	Introduction to Theatre	2 cr
MEP1013	Video Production	4 cr		THE2045	Children's Theatre	2 cr
MEP1016	Story Structure.	4 cr		THE3181	Theatre History to 1850	4 cr
MEP2055	Media History.	2 cr		THE3282	Theatre History after 1850	4 cr
MUH3105	American Music	2 cr				

CORE CURRICULUM

SCIENTIFIC & QUANTITATIVE LITERACY

MATHEMATICS

MAT1005	Mathematics for the Liberal Arts	4 cr
MAT1005L	Mathematics for the Liberal Arts Lab (if required to be taken with MAT1005)	1 cr
MAT1006	Mathematics for Elementary School Teachers	4 cr
MAT1035	Business Mathematics	4 cr
MAT1035L	Business Mathematics Lab (if required, to be taken with MAT1035)	1 cr
MAT1126	Precalculus**	4 cr
MAT2055	Statistics	4 cr
MAT2121	Calculus and Analytic Geometry I	4 cr
MAT2122	Calculus and Analytic Geometry II	4 cr
PSY3208	Statistics for the Social Sciences	4 cr

NATURAL SCIENCE

BIO1007	DNA: The Language of Life	2 cr
BIO1008	Microbes and Society	2 cr
BIO1009/1009L	Concepts of Biology/Lab	4 cr
BIO1011/1011L	Principles of Biology I/Lab	4 cr
BIO2015	Sustainable Urban Agriculture	2 cr
BIO2016	Our Changing Climate	2 cr
BIO2113/2113L	Principles of Biology III/Lab	4 cr
BIO2805	Topics in Biology	2–4 cr
BIO2825/2825L	Honors Topics in Biology/Lab	2–4 cr
BIO3017	Analysis of Vegetative Communities Lab	2 cr
BIO3276/3276L	Field Biology/Lab	4 cr
CHE1006/1006L	Concepts of Chemistry/Lab**	5 cr
CHE1021/1021L	Principles of Chemistry I/Lab	4 cr
CHE1121/1121L	General Chemistry I/Lab**	5 cr
PHY1101/1101L	Fundamentals of Physics I/Lab	4 cr
PHY1201/1201L	Engineering Physics I/Lab	4 cr
SCI1006	Creative Explorations of Earth Science	2 cr
SCI1010/1010L	Environmental Science/Lab	4 cr
SCI1015/1015L	Environmental Science and Sustainability/Lab**5 cr	
SCI2108/2108L	Concepts of Astronomy/Lab**	5 cr

SOCIAL SCIENCE

	Any ANT-, ECO-, GEO-, or SOC-prefix course(s)	
COM2107	Communication Theory	4 cr
COM4105	Mass Media and Society	4 cr
ICS2045	Cultural Anthropology	4 cr
MIN3045	Developmental Foundations for Ministry	4 cr
MIN5045U	Human Development for Ministry	4 cr
POS1005	Introduction to Political Science	4 cr
POS2005	U.S. National Government	4 cr
POS3165	Political Thought	4 cr
POS3205	International Relations since WWII	4 cr
PSY1005	Introduction to Psychology	4 cr
PSY2108	Lifespan Psychology	4 cr

*SEE RELATED INFORMATION ON PAGES 20, 37–38.

** ONLY OFFERED THROUGH DUAL ENROLLMENT

Proportional Requirements for Transfer Students: Signature Courses within the Core Curriculum

Transfer students who first enroll at Northwestern as sophomores, juniors, or seniors seeking a bachelor’s degree are to fulfill the core curriculum requirement on a proportional basis for signature courses. Signature courses fulfill the Biblical Thinking & Living core category and the Leadership & Professionalism category. All other core curriculum category requirements must be completed. For purposes of administering the core curriculum requirement, class standing of transfer students is based on the total of “transferable” credits from all colleges and universities previously attended (see definition on pages 29-30) and credits awarded by University of Northwestern on the basis of examinations taken before matriculation.

Requests for transfer equivalency for BIA, BIB, and Theological Philosophy credits should be approved by the Chair of the Department of Biblical & Theological Studies. Requests for transfer equivalency for LDR courses should be approved by the Chair of the Department of Christian Ministries.

SOPHOMORE TRANSFER (30–59 transferable credits) **22 cr**

BIA1007	Christian Thinking & Living (or BIB1826 Honors).....	2
BIA1015	Interpreting Scripture (or BIA1827 Honors) or MIN2016 Biblical Interpretation for Study	2
BIB2005	Survey of the Old Testament (or BIB2827 Honors)	4
BIB2008	Survey of the New Testament (or BIB2826 Honors).....	2
BIB4360	Systematic Theology (or BIB4825 Honors) or BIB4365 Historical Theology or BIB4460 Biblical Theology (or BIB6312 for Accelerated/Dual Degree B.A./M.Div. program)	4
	Theological Philosophy (see page 43)	2
LDR1015	Leadership for Transformation (or LDR1825 Honors) or LDR1011 Spiritual and Personal Formation for Leadership and LDR2112 Relational and Cultural Awareness in Leadership	4
LDR4425	Leading with Courage and Calling (or LDR4825 Honors).....	2

JUNIOR TRANSFER (60–89 transferable credits) **16 cr**

BIA1007	Christian Thinking & Living (or BIB1826 Honors).....	2
BIA1015	Interpreting Scripture (or BIA1827 Honors) or MIN2016 Biblical Interpretation for Study	2
BIB4360	Systematic Theology (or BIB4825 Honors) or BIB4365 Historical Theology or BIB4460 Biblical Theology (or BIB6312 for Accelerated/Dual Degree B.A./M.Div. program)	4
	Theological Philosophy (see page 43)	2
LDR1015	Leadership for Transformation (or LDR1825 Honors) or LDR1011 Spiritual and Personal Formation for Leadership and LDR2112 Relational and Cultural Awareness in Leadership	4
LDR4425	Leading with Courage and Calling (or LDR4825 Honors).....	2

SENIOR TRANSFER (90+ transferable credits). **10–12 cr**

BIA1007	Christian Thinking & Living (or BIB1826 Honors).....	2
BIA1015	Interpreting Scripture (or BIA1827 Honors) or MIN2016 Biblical Interpretation for Study	2
BIB4360	Systematic Theology (or BIB4825 Honors) or BIB4365 Historical Theology or BIB4460 Biblical Theology (or BIB6312 for Accelerated/Dual Degree B.A./M.Div. program)	4
LDR3415	The Self-aware Leader	0–2
LDR4425	Leading with Courage and Calling (or LDR4825 Honors).....	2

CERTIFICATES, COMPETENCIES, MAJORS, MINORS

Certificates, Competencies, Majors, Minors

Students pursuing baccalaureate degree programs must declare a primary academic major (see pages 48–49) and satisfy the appropriate core curriculum requirements (see pages 42–44). At least 50% of the credits for a major must be completed from University of Northwestern.

Bible (Second Major)

Students may earn a “second major” in Bible by completing specific Core Curriculum courses plus 6 additional credits of Bible Exposition for a total of 30 credits. Requirements for the second major in Bible are listed on page 130. This is not a stand-alone major and exists only and explicitly as a second major for current Traditional Undergraduate and Dual Enrollment students.

Transfer students may choose to pursue the second major in Bible, but are required to complete all required courses as listed on page 130.

Note: A minimum of 50% of major coursework must be completed from Northwestern.

Certificate – Undergraduate

Requirements:

- Successful completion of the required courses and credits as listed in the Traditional Undergraduate/Dual Enrollment catalog.
- A minimum Northwestern cumulative GPA of 2.00.
- A minimum of 50% of program credits must be completed at Northwestern (excluding credits earned by examination and/or prior learning).
- A maximum of 50% of program credits may be earned by transfer, examination, and/or prior learning credit.
- When an academic discipline offers an undergraduate certificate but also a major, minor, and/or concentration:
 - Students may not concurrently pursue an undergraduate certificate and a major/minor/concentration in the same academic discipline.
 - Students who have been awarded an undergraduate certificate may apply all of the credits toward a subsequent major/concentration/minor.
 - Students will not be awarded an undergraduate certificate once a Bachelor's degree with a major, minor, and/or concentration in the same academic discipline has already been awarded.
 - Students who have already been awarded a Bachelor's degree and subsequently return to pursue a different academic discipline that is offered as a concentration, minor, or undergraduate certificate must comply with the current requirements and may declare either the minor or the undergraduate certificate (concentrations are not stand-alone but rather part of a major).

Competencies

Competencies may be demonstrated in the following areas of the core curriculum. If competencies are successfully established, students must substitute free electives for these credits as needed to reach 125 graduation credits. For BIB2005 and BIB2008, demonstrating competency results in credit for the course.

- BIB2005 SURVEY OF THE OLD TESTAMENT
Score of 71% or above on two departmental examinations (part 1 and part 2), resulting in credit for the course. Exams may only be taken one time each.
- BIB2008 SURVEY OF THE NEW TESTAMENT
Score of 71% or above on departmental examination, resulting in credit for the course. Exam may only be taken one time.

- COMPETENCY EXAMINATIONS FOR THE FOLLOWING COURSES ARE AVAILABLE THROUGH THE DEPARTMENT OF MUSIC & THEATRE

Score of 80% or above on departmental examination fulfills the requirement, but does not earn credit.

MTC1007 MUSIC THEORY FOUNDATIONS
MTC2004 SIGHT SINGING AND EAR TRAINING II
MTC2112 MUSIC THEORY II: DIATONIC PRACTICE
MTC3101 MUSIC THEORY III:
CHROMATIC AND JAZZ-POP HARMONY
MTC3102 MUSIC THEORY IV: PRACTICES AFTER 1875
MTC3103 SIGHT SINGING AND EAR TRAINING III
MTC3104 SIGHT SINGING AND EAR TRAINING IV
MUS1075 INTRODUCTION TO MUSIC

Credits – Jointly Applicable

Credits may be applied to only one category in the core curriculum or in a student's academic program. Any applicable core curriculum coursework may be applied to a minor. For information on double-counting in more than one academic major, see Multiple Majors (page 47).

Eligibility for Honors Courses

Students with ACT 27/SAT1280 Composite score are eligible to take honors courses.

English & Reading Placement

RDG0009 College Reading Strategies is required of new students with ACT Reading scores of 17 or below (SAT EBRW score of 480 or below or CLT Verbal Reasoning score of 18 or below) or if the student's high school cum GPA is 2.66 or below. An exception is new transfer students who have 30 or more cumulative earned college-level credits at the time of matriculation to Northwestern.

New freshmen and transfers may register for English composition courses according to the following guidelines:

ACT English or ACT English/Writing Test Score	SAT Evidence-Based Reading and Writing Test Score	SAT Writing and Language Test Score	English Course
18 & below	500 & below	25 & below	ENG1105, 1105L
19–26	510–690	26–32	ENG1105
27 & above	700 & above	33 & above	ENG1825

CLT Grammar/Writing Test Score	High School Cum GPA	English Course
20 & below	2.66 & below	ENG1105, 1105L
21 & above	2.67 & above	ENG1105
—	3.7 & above	ENG1825

Foreign Language

The Bachelor of Arts degree requires foreign language competency through the second semester of college credit (1002-level in modern foreign languages, 2002-level in Greek, Hebrew, or Latin and 30X2-level in other ancient and classical languages). Competency may be achieved by completion of language courses from Northwestern, by transfer of equivalent credits from another college, by means of standardized examinations (AP, IB, CLEP, DANTES), or by way of high school language study.

Northwestern offers beginning-level courses in Chinese, Greek, Hebrew, Latin, and Spanish and, when possible, some beginning-level courses in other languages (e.g., Arabic, Russian). A major in Spanish and minors in Ancient and Classical Languages, Chinese Studies, Modern Languages and Spanish are offered.

Transfer credit may be in these languages or in other recognized foreign languages. In this regard, American Sign Language is considered as an approved foreign language.

Northwestern accepts credits awarded for Minnesota Bilingual and Multilingual Seals and World Language Proficiency Certificates.

- Students must request the credits upon UNW enrollment and within three academic years of graduation from high school.
- Credit for SPA1001 and SPA1002 will be awarded to those who earn the World Language Proficiency Certificate in Spanish. These students qualify to enroll in SPA2101.
- Students who earn the Gold or Platinum Seal in Spanish will earn credit for SPA1001 and SPA1002, plus 4 (Gold) or 8 (Platinum) elective credits. These students qualify to enroll in SPA2101.
- Students who earn the Gold or Platinum Seal in Spanish may take the UNW Spanish Placement Exam to have their elective credits count toward SPA2101 and SPA2102.
- For other languages, including those not offered at UNW (e.g., Hmong), credits earned through a Gold or Platinum Seal or World Language Proficiency Certificate would be awarded on a similar basis: plus 4 (Gold) or 8 (Platinum) elective credits.
- To learn details about Minnesota Bilingual and Multilingual Seals and World Language Proficiency Certificates, see the Minnesota Department of Education's FAQ Bilingual or Multilingual SEAL and World Language Certificates found on <https://education.mn.gov/MDE/dse/stds/world/>.

Completion of three years of one foreign language during high school establishes 1002-level foreign language proficiency, subject to minimum grade standards (i.e., B- average or higher). If competency is demonstrated by high school language study, credits are not awarded, but the student is allowed an equal number of additional elective credits.

Students for whom English is a second language will meet the B.A. foreign language requirement by achieving a minimum grade of C- in ENG1105/1825, ENG2205/2825, and SPE1075/1825. Students who wish to have their English language learning recognized as a second language will submit their request through a Non-Native Speakers of English Verification form to be verified by the ESL Education Coordinator.

SPECIFIC PROGRAM REQUIREMENTS ARE GIVEN ON PAGES 55–141.

Mathematics Placement

Students will register for the mathematics course most appropriate for their respective major(s) (see below listing of majors). Students who do not meet the recommended or required ACT mathematics score are encouraged to seek guidance from their academic advisor.

Accounting, Business Administration, Finance, and Marketing: MAT1035 Business Mathematics. Students with ACT mathematics score of 28 or above [SAT mathematics score of 650 or above] may take MAT2121 Calculus and Analytic Geometry I in place of MAT1035.

Biology: MAT2055 or higher

Communication Studies and Public Relations Majors: MAT2055: minimum ACT mathematics score of 18 [SAT mathematics score of 470] or PSY3208: prerequisite of ACT mathematics score of 18 or above (SAT mathematics score of 470 or above).

Biochemistry, Applied Mathematics, and Mathematics Education: MAT2121: prerequisite of B- or better in MAT1126 or ACT mathematics score of 28 or above (SAT mathematics score of 610 or above) or achieve passing score on mathematics placement exam.

Criminal Justice and Psychology: PSY3208: prerequisite of PSY2108 and ACT mathematics score of 18 or above (SAT mathematics score of 470 or above).

Early Childhood Education and Elementary Education: MAT1006: minimum ACT mathematics score of 18 [SAT mathematics score of 470 or above].

Engineering: MAT2121: prerequisite of B- or better in MAT1126 or ACT mathematics score of 28 or above (SAT mathematics score of 610 or above) or achieve passing score on mathematics placement exam. If MAT2121 has been fulfilled, then MAT2122.

Computer Science, Cybersecurity & Information Systems, Health Sciences, and Associate of Science in Computer Science: MAT2055: minimum ACT mathematics score of 18 [SAT mathematics score of 470]. **Note:** For A.S. in Computer Science, either MAT2055 or MAT2121 is required.

All other majors: MAT1005 or any other higher-numbered mathematics course(s) which total at least 2 credits and which fulfill the core curriculum outcomes for mathematics.

Minor and/or Electives

Development of a minor (minimum of 16 credits) allows the student to pursue concentrated study in an area of special interest. A minor is not stand-alone and must be completed with a degree program. The number of credits of core curriculum coursework applied to the minor is not restricted. A minimum of 50% of the credits in a minor must be unique to that minor when compared to a student's major(s) or other minor(s). For exceptions, see the Registrar. A minimum of 50% of the coursework in a minor must be completed from University of Northwestern.

Students who add or change a minor(s) must meet all requirements for the new minor(s) as described in the most recently published catalog at the time the Curriculum Change Request form or the Re-enrollment form is submitted to the Registrar's Office.

Electives are chosen by the student from any course area.

Multiple Majors

A student may graduate with more than one academic major under the following conditions:

1. There must be a minimum of 20 credits unique to each major;
2. All prerequisites, supporting courses, and departmental requirements for each major must be completed.

Transitional Admission & Study Strategies

STS0009 Study Strategies is required of all new students admitted into the Transition-to-University Program (see page 13).

TRADITIONAL UNDERGRADUATE CREDIT REQUIREMENTS

Traditional Undergraduate Credit Requirements

BACHELOR'S DEGREES MAJORS	CORE CURRICULUM*	MAJOR	ELECTIVES**	FOREIGN LANGUAGE	TOTAL
Accounting##	57	68–93	–	–	125–150
Animation & Illustration	55	50	20	–	125
Art	55	40	30	–	125
Biblical & Theological Studies#	55	38	20	12	125
Biochemistry	55	49–50	20–21	–	125
Biology##	55	49–58	12–21	–	125
Business Administration# ##	57	60–62	6–8	–	125
Communication Arts/Literature Education	57	74	–	–	131
Communication Studies	57	45–50	18–23	–	125
Computer Science	55	49	21	–	125
Criminal Justice##	57	47–51	17–21	–	125
Cybersecurity & Information Systems##	55	51	19	–	125
Data Analytics	55	49	21	–	125
Early Childhood Education	59	69	–	–	128
Elementary Education##	59	68–85	–	–	127–144
Engineering##	55	84	–	–	139
English##	55	50–52	18–20	0–16	125
English as a Second Language Education	57	62	–	8	127
Finance# ##	57	60	8	–	125
Graphic Design	55	50	20	–	125
Health Sciences	55	46–47	23–24	–	125
History	55	42	28	–	125
Intercultural Studies# ##	55	40–44	26–30	–	125
Interdisciplinary Studies	55	48	22	–	125
Kinesiology##	55	37–51	19–33	–	125
Marketing# ##	57	59–62	6–9	–	125
Mathematics, Applied	55	49	21	–	125
Mathematics Education	59	68	–	–	127
Media Production##	55	44–48	22–26	–	125
Ministry# ##	55	44	26	–	125
Music, Composition (B.Mus.)	55	64–70	0–6	–	125
Music	55	39–45	25–31	–	125
Music Education (B.M.E.)##	57	87–97	–	–	144–154
Music—Music Ministry Emphasis	55	42–47	23–28	–	125
Music Performance (B.Mus.)##	55	64–70	0–6	–	125
Nonprofit Leadership#	55	46–50	20–24	–	125
Nursing	55	75	–	–	130
Pastoral Ministry#	55	50	20	–	125
Philosophy	55	32	30	8	125
Physical Education	59	70	–	–	129

TRADITIONAL UNDERGRADUATE CREDIT REQUIREMENTS

Traditional Undergraduate Credit Requirements (continued)

BACHELOR'S DEGREES MAJORS	CORE CURRICULUM*	MAJOR	ELECTIVES**	FOREIGN LANGUAGE	TOTAL
Physical Education & Health	59	89	–	–	148
Politics, History, and Economics	55	50	20	–	125
Psychology ^{##}	55	44	26	–	125
Public Relations	57	49–53	15–19	–	125
Social Studies Education	57	76	–	–	133
Spanish ^{##}	55	34–36	34–36	–	125
Spanish Education ^{##}	57	78	–	–	135
Sports Management	55	50	20	–	125
Theatre ^{##}	55	50	20	–	125
Visual Arts Education	57	74	–	–	131
Youth Studies ^{# ##}	55	46–48	22–24	–	125
ASSOCIATE DEGREES	CORE CURRICULUM	MAJOR	ELECTIVES	FOREIGN LANGUAGE	TOTAL
Associate of Arts & Bible	51–53	–	9	–	60–62
Associate of Arts in Liberal Studies	35–37	15 ¹	10	–	60–62
Associate of Science: Computer Science	35–37	26	–	–	61–63
CERTIFICATE PROGRAMS	CORE CURRICULUM	MAJOR	ELECTIVES	FOREIGN LANGUAGE	TOTAL
Bible	30 ³	–	–	–	30

1. PROGRAM IS STRUCTURED TO PROVIDE A CONCENTRATION, NOT A MAJOR.

2. FOR A.A.S.B. CORE CURRICULUM DISTRIBUTION REQUIREMENTS, SEE SPECIFIC PROGRAM REQUIREMENTS.

3. COMPETENCY IN READING AND COMPOSITION MUST BE DEMONSTRATED. SEE PAGE 46.

* UP TO 2 ADDITIONAL CORE CURRICULUM CREDITS TO BE TAKEN BY THOSE STUDENTS WHO ARE REQUIRED TO REGISTER FOR ENG1105L OR LAN1105L; HIS1005L

** ELECTIVES MAY INCREASE DUE TO ADJUSTMENTS FOR PROPORTIONAL CORE CURRICULUM REQUIREMENT

ACCELERATED/DUAL DEGREE PROGRAM AVAILABLE

CONCENTRATIONS, EMPHASES, SPECIALIZATIONS, TRACKS, OR LICENSURE ENDORSEMENTS AVAILABLE

ACADEMIC PROGRAM SUMMARY

Academic Program Summary

Bachelor's Degree Programs

Majorpage

Accounting*	101
Animation & Illustration	55
Art	56
Bible (second major only)	130
Biblical & Theological Studies	129
Biochemistry	82
Biology**	83–85
Business Administration* **	102–103
Communication Arts/Literature Education	112
Communication Studies	58
Computer Science	88
Criminal Justice**	97
Cybersecurity & Information Systems**	89
Data Analytics	90
Early Childhood Education	113
Elementary Education**	114–116
Engineering**	91–92
English**	63–66
English as a Second Language Education	117
Finance* **	104
Graphic Design	57
Health Sciences	86
History	67–68
Intercultural Studies* **	133–134
Interdisciplinary Studies	93
Kinesiology**	95–96

Marketing* **	105
Mathematics, Applied	87
Mathematics Education	118
Media Production**	59–60
Ministry* **	135–136
Music	72
Music, Composition (B.Mus.)	71
Music Education (B.M.E.)**	74–75, 119–120
Music—Music Ministry Emphasis	73
Music Performance (B.Mus.)**	76
Nonprofit Leadership*	137
Nursing	125–127
Pastoral Ministry*	138
Philosophy	130
Physical Education	121
Physical Education and Health	121
Politics, History, and Economics	68
Psychology**	98
Public Relations	61
Social Studies Education	122
Spanish**	79
Spanish Education**	123
Sports Management	96
Theatre**	78
Visual Arts Education	124
Youth Studies* **	139–140

*Accelerated/Dual Degree Program Available

**Concentrations, Emphases, Specializations, Tracks, or Licensure Endorsements Available

Associate Degree & Certificate Programs

Associate of Arts & Bible	131
Associate of Arts in Liberal Studies	94
Associate of Science: Computer Science	89
Certificate in Bible	131
Certificate in Healthcare Management	103

Note: All majors include required courses designated as having “written communication emphasis” or “oral communication emphasis.” These are identified by the codes “[WCE]” and “[OCE]”, respectively, in the list of requirements for each major. Any such course is understood to have the following prerequisites:

- Written communication emphasis – ENG2205 Critical Thinking and Writing or ENG2825 Honors Critical Thinking and Writing;
- Oral communication emphasis – SPE1075 Public Speaking or SPE1825 Honors Public Speaking. Both designations may apply to the same course.

Minors

Minor	page #
Accounting	101
Ancient and Classical Languages	129
Animation	55
Art	56
Bible	130
Biology	85
Business Administration	103
Camp and Conference Center Administration	136
Chemistry	85
Child Development	113
Children and Family Ministry	141
Chinese Studies	80
Coaching	96
Communication	59
Criminal Justice	97
Cybersecurity	89
Dance	78
Data Analytics	90
Design	57
English	66
Entrepreneurship	103
Environmental Science	85
Event Planning	62
Finance	104
Healthcare Management	103
Health Education	121
Health Sciences	86
History	68
Illustration	55
Intercultural Studies	134
International Studies	80
Journalism	60
Leadership	106
Linguistics	66
Literature	66
Marketing	106
Mathematics, Applied	87
Media Production	60
Ministry	136
Modern Languages	80
Museum Studies and Public History	69
Music	77
Music Composition	77
Nonprofit Leadership	137
Philosophy	130
Physical Education	121
Political Science	68
Pre-Athletic Training	96
Pre-Law	69
Professional Writing	60
Psychology	98
Public Relations	62
Science	85
Science and Theology	85, 129
Social Justice	141
Songwriting	77
Spanish	80
Special Education	124
Speech	61
Sport Communication	60
Teaching English to Speakers of Other Languages	80
Theatre	78
Writing	66
Youth and Emerging Adult Ministry	141

Study Abroad and Off-Campus Programs

See pages 8, 20, 37–38, 210–211.

ACADEMIC COLLEGES

Traditional Undergraduate Academic Colleges

The traditional undergraduate curriculum and faculty of University of Northwestern are divided into three Colleges.

College of Arts & Humanities

Dean: Kirk D. Moss, Ph.D.

Department of Art & Design	PAGE 55
Chair: John A. Printy, MFA	
Department of Communication	PAGE 58
Chair: Mark H. Seignious, M.A.	
Department of English & Literature	PAGE 63
Chair: Steve P. Harthorn, Ph.D.	
Department of History & Related Fields	PAGE 67
Chair: Matthew L. Miller, Ph.D.	
Department of Music & Theatre	PAGE 70
Chair: Kristen M. Bugos, Ph.D.	
Department of World Languages	PAGE 79
Chair: Matthew L. Miller, Ph.D.	

College of Behavioral & Natural Sciences

Dean: Kirk D. Moss, Ph.D.

Department of Biology & Biochemistry	PAGE 82
Chair: Bruce M. Simat, Ph.D. (Interim)	
Department of Computing, Analytics, & Mathematics	PAGE 87
Chair: Mark S. Antiel, M.S.	
Department of Engineering	PAGE 91
Chair: Carrie A. Francis, Ph.D.	

- Department of **Interdisciplinary Studies** PAGE 93
Chair: Daniel R. Crane, Ph.D.
- Department of **Kinesiology, Sports Management, & Physical Education** PAGE 95
Chair: Bradley D. Ruiter, B.S.
- Department of **Psychology, Criminal Justice, & Law Enforcement** PAGE 97
Chair: Don F. Johnson, Ph.D.

College of Professional Studies

Dean: Susan E. Johnson, Ph.D.

- School of **Business** PAGE 100
Assistant Dean: Jessa A. Nelson, MOL
- School of **Education** PAGE 107
Assistant Dean: Lara J. Bronson, Ed.D.
- School of **Nursing** PAGE 125
Assistant Dean: Gale P. Sewell, Ph.D., RN (Interim)
- School of **Theology & Ministry**
- Department of **Biblical & Theological Studies** PAGE 128
Chair: Bradley L. Sickler, Ph.D.
- Department of **Christian Ministries** PAGE 132
Chair: Dale L. Lemke, Ph.D.

College of **ARTS & HUMANITIES**

Department of Art & Design	PAGE 55
Department of Communication	PAGE 58
Department of English & Literature	PAGE 63
Department of History & Related Fields	PAGE 67
Department of Music & Theatre	PAGE 70
Department of World Languages	PAGE 79

Department of ART & DESIGN

Mission Statement

The Department of Art & Design aims to teach the production of visual arts within a Christian context, toward the goal of preparing students for professional careers in this field. Strong emphasis is placed upon critical thinking, research, and study in the visual arts, both on and off campus.

The department seeks to achieve the following objectives:

1. To apply creative problem solving, concepts and terminology, current technology, and philosophical foundations to art/design.
2. To examine critical and historical writing, analyze trends, and value artistic expression.
3. To create visual art/design, formulate ethical and spiritual values toward art/design, and support the field of art/design, modeling professionalism.

Animation & Illustration Major Bachelor of Science

The Animation & Illustration major is designed to promote breadth of knowledge in visual arts, design, and communication as comprehensive preparation for the field. Specific coursework in traditional and digital animation provides necessary skills leading to entry-level professional careers within the field of digital animation. Strong emphasis is placed upon critical thinking, effective communication, research, and technical production. The degree is granted upon completion of credits specified on pages 48–49 (40 credits must be successfully completed in 3000- or 4000- level courses).

- **Creative Expression** course in core curriculum must include COM2007

Foundations	12 cr	Capstone	4 cr
ANI3105 Figure Drawing.....	2	ANI4835 Portfolio Seminar.....	2
ANI3305 Character Design.....	2	ANI4855 Senior Capstone [OCE]	2
ART1011 Drawing I.....	4		
ART1035 Design Concepts.....	4		
History & Theory	10 cr	Select from the following	10 cr
ANI1005 Animation Principles and Trends.....	2	ANI3015 Illustration.....	2
ART3267 Themes in Art History [WCE]	4	ANI3106 Motion Design.....	4
MEP1016 Story Structure.....	4	ANI3303 3D Modeling.....	4
		ANI4303 Advanced Animation.....	4
		ANI4995 Animation & Illustration Internship.....	1–2
		ART2031 Painting I.....	3
Required Production	14 cr	ART3112 Drawing II.....	2
ANI1105 Animation I.....	4	MEP1012 Audio Production.....	3
ANI2201 Animation II.....	4	MEP3135 Single Camera Production.....	3
ANI3205 CG Production.....	4		
DES2235 Digital Illustration.....	2		

WCE= WRITTEN COMMUNICATION EMPHASIS.
OCE = ORAL COMMUNICATION EMPHASIS.
SEE PAGE 50 FOR EXPLANATION AND PREREQUISITES.

Animation Minor..... 16 cr

Required Courses: ANI1005, 1105; 10 credits from any ANI-prefix courses.

Illustration Minor..... 16 cr

Required Courses: ANI3105, 3305; ART1011; DES2235; 6 credits from ANI3015, ART2021, 2031, 3112, DES1031, or 2236.

ART & DESIGN

Art Major Bachelor of Arts or Bachelor of Science

The Art major prepares the student for a career in studio production. The objectives of the program are to provide the student with basic art knowledge and skills using a variety of media and employing concepts drawn from aesthetics, art history, and art criticism. The degree is granted upon completion of credits specified on pages 48–49 (40 credits must be successfully completed in 3000- or 4000-level courses).

- **B.A. option** requires achieving 1002-level competency in an approved foreign language. See page 47.

Foundations	10 cr
ART1011 Drawing I.....	4
ART1035 Design Concepts.....	4
Select one of the following:	
ANI3015 Illustration.....	2
ANI3105 Figure Drawing.....	2
ART3112 Drawing II.....	2
ART3805 Topics in Art & Design.....	2
History & Theory	6 cr
ART3267 Themes in Art History [WCE].....	4
Select one of the following:	
ART3162 19th and 20th Century Art History.....	2
ART3265 Art Since 1945.....	2
ART3365 Aesthetics.....	2
ART3806 Topics in Art History.....	2

Production	24 cr
Select from the following:	
ART2031 Painting I.....	3
ART3233 Painting II, III, IV.....	3
ART2021 Print I.....	3
ART3223 Print II, III, IV.....	3
ART2048 Ceramics I.....	3
ART3243 Ceramics II.....	3
ART2251 Sculpture I.....	3
ART3253 Sculpture II, III, IV.....	3
ART2081 Photography I.....	3
ART3322 Photography II.....	3
Capstone	3 cr
ART4855 Senior Seminar in Art [OCE].....	3

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 SEE PAGE 50 FOR EXPLANATION AND PREREQUISITES.

Art Minor 16 cr

Required Courses: ART1011 or 1035; 12 credits from any ART-prefix courses.

Graphic Design Major Bachelor of Arts or Bachelor of Science

The Graphic Design major prepares the student for a career in graphic design. The program provides basic and advanced instruction in the techniques, technology, and critical-thinking strategies necessary for the field of graphic design. Internships in graphic design are strongly recommended, but it is not possible to guarantee placement. Therefore, a senior project may be necessary to supplement the internship experience. The degree is granted upon completion of credits specified on pages 48–49 (40 credits must be successfully completed in 3000- or 4000-level courses).

- **B.A. option** requires achieving 1002-level competency in an approved foreign language. See page 47.

Foundations	8 cr
ART1011 Drawing I	4
ART1035 Design Concepts	4
History & Theory	10 cr
ART3267 Themes in Art History [WCE]	4
DES3069 Design History	2
Select 2–4 credits from the following:	
ART3162 19th and 20th Century Art History	2
ART3265 Art Since 1945	2
ART3365 Aesthetics	2
ART3806 Topics in Art History	2
Selectives (0–2 cr):	
ANI3015 Illustration	2
ANI3105 Figure Drawing	2
ART3112 Drawing II	2
ART3805 Topics in Art & Design	2

Required Production	24 cr
ART2021 Print I	3
ART2081 Photography I	3
DES1031 Introduction to Layout	2
DES2111 Introduction to Graphic Design	2
DES2235 Digital Illustration	2
DES2236 Digital Imaging	2
DES3212 Graphic Design II	4
DES3215 Interactive Design	4
DES3271 Typography	2

Capstone	8 cr
DES4313 Graphic Design III [OCE]	4
Select one of the following:	
DES4845 Senior Project in Graphic Design	4
DES4995 Graphic Design Internship	4

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 SEE PAGE 50 FOR EXPLANATION AND PREREQUISITES.

Design Minor 16 cr

Required Courses: ART1011 or 1035; DES1031, 2111, 2235, 2236; DES3212 or 3215.

Visual Arts Education Major Bachelor of Arts or Bachelor of Science

Full details are given under School of Education programs. See pages 107–111 and 124.

COMMUNICATION

Department of COMMUNICATION

Mission Statement

The Department of Communication exists to prepare students for leadership in ministries and careers in communication-related fields. The department provides opportunities for students to gain theoretical knowledge and hands-on experience grounded on a Christ-centered worldview through classroom activities, internships, experiential education, service learning, and storytelling performances. By doing so, the department produces graduates who are critical thinkers and effective communicators and who focus on service, ethics, and excellence.

University of Northwestern meets the challenge of our constantly changing world with a diverse communication program that equips students for many kinds of careers and ministries. The need has never been greater for Christian men and women who can communicate clearly and powerfully through the spoken word, the written word, and a vast array of electronic communication technologies. The Department of Communication has responded to this need for preparing effective communicators by offering courses and programs which combine the development of personal interests and abilities with practical and theoretical training from a biblical worldview.

Communication Studies Major Bachelor of Arts or Bachelor of Science

The Communication Studies major is designed to prepare students with foundational communication principles and relational communication skills for a wide variety of contexts and careers that involve working with people and are important for effective leadership, training, and service. The degree is granted upon completion of credits specified on pages 48–49 (40 credits must be successfully completed in 3000- or 4000-level courses).

- **Scientific & Quantitative Literacy** courses in core curriculum: mathematics course MAT2055 or PSY3208; social science course COM4105 [OCE, WCE].
- **B.A. option** requires achieving 1002-level competency in an approved foreign language. See page 47.

Required Courses 30–34 cr

COM2107	Communication Theory	4
COM3105	Gender and Family Communication	4
COM3106	Organizational Communication	4
COM3107	Intercultural Communication	4
COM3135	Business Communication	2
COM4105	Mass Media and Society [OCE, WCE] (SEE SCIENTIFIC & QUANTITATIVE LITERACY REQUIREMENT ABOVE)	2
COM4308	Communication Research Methods	4
SPE3176	Advanced Public Speaking and Speech Writing	4

Workshops 2–4

Four enrollments from JOU2625, 4625, MEP2625–2627, 4625–4627; PRL2625, 4625; at least two of which must be taken for credit.

Internship 2–4

One enrollment selected from COM4995, MEP4995, PRL4995, or PRL4996; minimum of 2 credits. The required internship should be completed during a student's junior or senior year. Additional internship credits are encouraged and can apply to free electives, if needed.

Strategic Communications Selectives 15–16 cr

Select 4 credits from the following 4 cr

COM3108	Interpersonal Communication	2
PRL2085	Public Relations & Social Media Strategies	4
PRL3187	Sport Public Relations	2
PRL3386	PR Events: Planning & Management	4
PRL3387	Political Communication	2
Any COM, MEP, or PRL Special Topics course 2		

Select 4 credits from the following 4 cr

ENG2146	Writing for Organizations	2
ENG2235	Editing and Proofreading	2
ENG3248	Grant Writing	2
ENG3249	Social Media Marketing	2
ENG3316	Freelance Content Writing	4
MEP3115	Scriptwriting	4
PRL2061	Multimedia Writing	4

Select one of the following 3–4 cr

MEP1012	Audio Production	3
MEP1013	Video Production	4
MEP1016	Story Structure	4

Select 4 credits from the following 4 cr

DES1031	Intro to Layout	2
DES2111	Intro to Graphic Design	2
KIN3035	Sports Marketing	4
KIN4055	Sports Facility and Game Management	4
MEP3117	Media Business	4
MIN3065	Digital Ministry	2
MKT1085	Principles of Marketing	4
MKT3165	Digital Marketing	4
MKT3188	Advertising and Promotion	4

Other courses may be applied with approval of department chairperson. Workshops do not apply.

The Department of Communication strongly recommends the following minors: English, Event Planning, History, Intercultural Studies, Journalism, Marketing, Media Production, Ministry, Museum Studies and Public History, Political Science, Pre-Law, Professional Writing, Public Relations, or Sport Communication.

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SEE PAGE 50 FOR EXPLANATION AND PREREQUISITES.

Communication Minor 16 cr

Required Courses: COM2107; SPE1075 or 1825. Remaining courses selected from any 2000-, 3000-, or 4000-level course with COM prefix; or JOU, MEP, PRL, SPE courses numbered 2625–2627, 4625–4627.

Media Production Major Bachelor of Science

The Media Production major is home to the Media Entertainment Lab (the MEL) and is designed to prepare students not only for careers in traditional media such as radio, television, journalism, and film, but also in emerging paths like churches, ministries, production houses, small business, and Fortune 500 companies. More and more outlets are seeing the value of storytelling through high-quality media. Podcasts, short films, and online articles help businesses tell stories to connect people with their brand. As students pursue Christ, they pursue the creative craft of audio and video production, visual story-telling, writing, editing, producing, and on-air performance. Students will have unique opportunities to intern/work at Northwestern Media, local production houses, or on other short-term projects. Students gain a critical understanding of how to communicate stories, ideas, and gospel-truth through a variety of different media. Students in the MEL can choose from three tracks: Content Creation & Brand Strategy, Film & Video, and Radio & Recording Arts. The four required MEL Workshops give students hands-on experience in producing content through the Five16 Film Festival, themel.media, and 98.5 HD4. The degree is granted upon completion of credits specified on pages 48–49 (40 credits must be successfully completed in 3000- or 4000-level courses).

- **Creative Expression** course in core curriculum must include COM2007 or MEP2055
- **Scientific & Quantitative Literacy** social science course in core curriculum: COM4105 [OCE, WCE]

Media Production Core Required Courses 16–18 cr

MEP1012	Audio Production	3
MEP1013	Video Production	4
MEP1016	Story Structure	4
MEP4855	Senior Capstone	3
COM2007	Introduction to Film or	
MEP2055	Media History	
	(SEE CREATIVE EXPRESSION REQUIREMENT ABOVE)	
COM4105	Mass Media and Society [OCE, WCE]	
	(SEE SCIENTIFIC & QUANTITATIVE LITERACY REQUIREMENT ABOVE)	

Workshops (4 enrollments)

Four enrollments from MEP2625-2627, 4625–4627; JOU2625, 4625; PRL2625, 4625; at least two of which must be taken for credit 2–4

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Track 28-30 cr

Select a track. Requirements are listed below.

Content Creation & Brand Strategy Track (29 cr)

Required Courses 13 cr

MEP3126	Brand Production Strategies	3
MEP3035	Non-fiction: Documentary & News	3
MEP3135	Single Camera Production	3
PRL2061	Multimedia Writing	4

Select from the following 16 cr

CMC	APPROVED CONTEMPORARY MUSIC CENTER COURSES*	16
DES1031	Introduction to Layout	2
DES3106	Motion Design	4
LAFSC	APPROVED LOS ANGELES FILM STUDIES CENTER COURSES*	16
MEP2036	Multi-Camera Production	3
MEP2055	Media History	2
MEP2115	Broadcast Tech	2
MEP3045	Directing the Actor	3
MEP3056	Web Content Strategy	2
MEP3115	Scriptwriting	4
MEP3117	Media Business	4
MEP3125	Advanced Audio Production	4
MEP3137	Post-Production	4
MEP3615	Media Production Practicum	1–2
MEP3805	Special Topics in Media Production	2–4
MEP4995	Media Production Internship	2–4
	(REQUIRED FOR NON-CMC, NON-LAFSC)	
MKT1085	Principles of Marketing	4
PRL2085	Public Relations and Social Media Strategies	4
PRL3187	Sport Public Relations	2
PRL3805	Special Topics in PR	2-4

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Film & Video Track (30 cr)

Required Courses	14 cr
MEP3045 Directing the Actor	3
MEP3115 Scriptwriting	4
MEP3135 Single Camera Production	3
MEP3137 Post-Production	4
Select from the following	16 cr
DES3106 Motion Design	4
LAFSC APPROVED LOS ANGELES FILM STUDIES CENTER COURSES*	16
MEP2036 Multi-Camera Production	3
MEP2055 Media History	2
MEP2115 Broadcast Tech.	2
MEP3035 Non-fiction: Documentary & News	3
MEP3117 Media Business	4
MEP3126 Brand Production Strategies	3
MEP3139 Cinematography and Lighting	2
MEP3615 Media Production Practicum	1–2
MEP3805 Special Topics in Media Production	2–4
MEP4125 Sound Design	3
MEP4995 Media Production Internship	2–4 (REQUIRED FOR NON-LAFSC)
PRL2061 Multimedia Writing	4

Radio & Recording Arts Track (28 cr)

Required Courses	12 cr
MEP2115 Broadcast Tech.	2
MEP3125 Advanced Audio Production	4
MEP3126 Brand Production Strategies	3
MEP4125 Sound Design	3
Select from the following	16 cr
CMC Approved Contemporary Music Center courses* ..	16
DES3106 Motion Design	4
MCH3216 Technology in Worship	2
MEP2055 Media History	2
MEP3035 Non-fiction: Documentary & News	3
MEP3056 Web Content Strategy	2
MEP3115 Scriptwriting	4
MEP3117 Media Business	4
MEP3135 Single Camera Production	3
MEP3137 Post-Production	4
MEP3615 Media Production Practicum	1–2
MEP3805 Special Topics in Media Production	2–4
MEP4995 Media Production Internship	2–4 (REQUIRED FOR NON-CMC)
PRL2061 Multimedia Writing	4
PRL2085 Public Relations and Social Media Strategies	4
PRL3805 Special Topics in PR	2-4

* SEE RELATED INFORMATION ON PAGES 20, 37–38

Media Production Minor 16 cr

Required Courses: MEP1012 or 1013, 1016; workshops—two enrollments selected from MEP2625-2627, 4625-4627; PRL2625, 4625. 6–9 additional upper-level credits in non-workshop courses with MEP prefix.

Journalism Minor 16 cr

Required Course: MEP1013, 3035, PRL2061; two (2) credits from MEP2627, 4627; PRL2625, 4625; three (3) credits from MEP/PRL courses; approved practicum or internship enrollment.

Professional Writing Minor 18 cr

This minor introduces students to the skills required to work as a professional writer in any of several professional venues. The minor emphasizes practical writing skills and provides opportunities to develop a portfolio of professional writing samples.

Required Courses: PRL2061; ENG2146, 3247; select 10 credits from the following: ENG2235, 3125, 3165, 3248, 3249, 3316, 4435; JOU2625, 3269, 4625; MEP3056, PRL2625, 4625.

Sport Communication Minor 16 cr

Required Courses: MEP1012 and PRL2061 or MEP1013 and 3035; 3 credits from MEP or PRL courses numbered 2625, 2627, 4625, 4627. Remaining credits selected from: KIN1065, 2025, 3035, 3045, 4055; PRL3187; approved practicum or internship enrollment.

Public Relations Major Bachelor of Arts or Bachelor of Science

The Public Relations major is designed to prepare students for careers in the dynamic field of public relations. Career opportunities include media relations specialist, event planner/manager, press secretary, promotions manager, social media specialist, communications specialist, information officer, development director, fundraiser, and marketing manager. The major emphasizes using a broad range of tactics to build goodwill with a business or organization’s stakeholders. Students learn to conduct market research, analyze audiences, think strategically, identify publicity opportunities, and write and speak persuasively. Through course-embedded, real-world service-learning projects; informational interviews; and required internships, students begin development of a professional network. For students interested in studying abroad, fall semester of the junior year usually works best. The degree is granted upon completion of credits specified on pages 48–49 (40 credits must be successfully completed in 3000- or 4000-level courses).

- **Scientific & Quantitative Literacy** courses in core curriculum: mathematics course MAT2055 or PSY3208; social science course COM4105 [OCE, WCE].
- **B.A. option** requires achieving 1002-level competency in an approved foreign language. See page 47.

Required Courses	37–41 cr
COM2107 Communication Theory	4
COM3135 Business Communication	2
COM4105 Mass Media and Society [OCE, WCE] (SEE SCIENTIFIC & QUANTITATIVE LITERACY REQUIREMENT ABOVE)	
PRL2061 Multimedia Writing	4
PRL2085 Public Relations and Social Media Strategies	4
PRL3035 Nonprofit PR	2
PRL3187 Sport Public Relations or PRL3387 Political Communication	2
PRL3386 PR Events: Planning and Management	4
PRL4308 Public Relations Research Methods	4
PRL4385 Public Relations Cases and Crisis Communication.	4
PRL4855 Senior Capstone	3
Workshops	2–4
Four enrollments from MEP2625–2627, 4625–4627; PRL2625, 4625; at least two of which must be taken for credit.	
Internship	2–4
One enrollment selected from COM4995, MEP4995, PRL4995, or PRL4996; minimum of 2 credits. The required internship should be completed during a student’s junior or senior year. Additional internship credits are encouraged and can apply to free electives, if needed.	

Selectives	11–12 cr
Select 4 credits from the following	4 cr
ENG2146 Writing for Organizations	2
ENG2235 Editing and Proofreading	2
ENG3248 Grant Writing	2
ENG3249 Social Media Marketing	2
ENG3316 Freelance Content Writing	4
MEP3115 Scriptwriting	4
MIN3065 Digital Ministry.	2
Any COM, MEP, or PRL Special Topics course	2–4
Select one of the following	3–4 cr
MEP1012 Audio Production	3
MEP1013 Video Production	4
MEP1016 Story Structure	4
Select 4 credits from the following	4 cr
DES1031 Intro to Layout	2
DES2111 Intro to Graphic Design	2
KIN3035 Sports Marketing	4
KIN4055 Sports Facility and Game Management	4
MEP3117 Media Business	4
MKT1085 Principles of Marketing	4
MKT3165 Digital Marketing	4
MKT3188 Advertising and Promotion.	4

The Department of Communication strongly recommends the following minors: Communication, English, Event Planning, History, Intercultural Studies, Journalism, Marketing, Media Production, Ministry, Museum Studies and Public History, Political Science, Pre-Law, Professional Writing, or Sport Communication.

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Public Relations Minor 16 cr

Required Courses: PRL2085, 4385. Remaining courses selected from: any course with PRL prefix (PRL4995 or PRL4996 highly recommended); or JOU, MEP, PRL, SPE courses numbered 2625–2627, 4625–4627.

Event Planning Minor 16 cr

Required Courses: PRL2061, 3035, 3386, 4996 (4 cr); MGT4267.

Speech Minor 16 cr

Required Courses: SPE1075 or 1825, 3176. Remaining courses selected from the following: COM3135, 3355; LIN2226; MIN4306, 4405; PRL2625, 3387, 4625; SPE2625, 4625; THE1057; any course with SPE prefix.

Department of ENGLISH & LITERATURE

Mission Statement

The mission of the Department of English & Literature is to educate students in the fundamental concepts, knowledge, and skills relevant to the study of literature, linguistics, creative writing, and professional writing within a Christian context. We seek to prepare students for employment in a broad range of professions and ministries, including but not limited to those directly related to our field. In addition, we seek to prepare students for the pursuit of advanced degrees in literature, writing, and linguistics as well as other related fields such as law and library science.

English Major Bachelor of Arts or Bachelor of Science

The English major is divided into four concentrations: literature, writing, literature and writing, and linguistics.

Linguistics Concentration (B.A.)

The linguistics concentration prepares students to pursue graduate work in linguistics, as well as careers in fields such as intercultural studies, translation, anthropology, and comparative studies. In the linguistics concentration, students sharpen their critical thinking, reading, and writing skills as they examine core areas of linguistic studies (e.g., phonetics, phonology, morphology, syntax, theory of second language acquisition, and sociolinguistics). Students will complete one summer of coursework at CanIL at Trinity Western University (Canada) (CanIL-TWU) or Dallas International University (DIU). The senior capstone course in linguistics enables students to apply their knowledge as they participate in primary research. The degree is granted upon completion of credits specified on pages 48–49 (40 credits must be successfully completed in 3000- or 4000-level courses).

- **Scientific & Quantitative Literacy** social science course in core curriculum: ICS2045.

Required Courses 24 cr

ENG3125	Structure of English Grammar	4
ESL3215	Language, School and Society	4
ESL3315	Theory of Language Acquisition	4
LIN2226	Introduction to Linguistics	4
LIN4425	Linguistic Research Methods	2
LIN4856	Senior Capstone in Linguistics [OCE, WCE]	2
LIN3841	Research or	
LIN4996	Linguistics Internship	2
LIT3145	Contemporary World Literature	2

Select one of the following 9–10 cr

Summer transfer courses from CanIL-TWU*

LING310	Articulatory Phonetics	3
LING330	Phonological Analysis	3
LING360	Morphosyntax I	3

Summer transfer courses from Dallas International University*

AL4302	Phonetics	3
AL4303	Phonology	3
AL4410	Grammar	4

Select one of the following 2 cr

ENG2146	Writing for Organizations	2
ENG2235	Editing and Proofreading	2
ENG3165	Instructional Design for Professional Writing	2
ENG3248	Grant Writing	2
ENG3249	Social Media Marketing	2
ENG3316	Freelance Content Writing	2
ENG3247	Technical Writing	2

Foreign Language 16 cr

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SEE PAGE 50 FOR EXPLANATION AND PREREQUISITES.

* SEE RELATED INFORMATION ON PAGES 20, 37–38

ENGLISH & LITERATURE

Literature Concentration (B.A.)

The literature concentration prepares students to pursue graduate work in English, as well as careers in fields such as the ministry, law, business, and teaching. In the literature concentration, students sharpen their critical thinking, reading, and writing skills as they analyze and write about American, British, classical, and multicultural literature. Electives allow students to focus on specific authors, genres, periods, and themes. The senior capstone course in literature enables students to research and write about a topic of their choice and to prepare for postgraduate options. The degree is granted upon completion of credits specified on pages 48–49 (40 credits must be successfully completed in 3000- or 4000-level courses).

- **Recommended courses** for general electives: ENG2146, 2215, 2216, 2217, 3247, 3805; additional coursework in linguistics (ENG3125, LIN2226) and LIT-prefix courses.

Required Courses42 cr

LIT2045	Epic Literature	2
LIT2105	Literary Studies	4
LIT3136	Shakespeare	2
LIT3221	American Literature I	4
LIT3222	American Literature II	4
LIT3231	British Literature I	4
LIT3232	British Literature II	4
LIT4859	Senior Capstone: Literature [OCE]	2
LTH4155	Literary Theory [WCE]	2

Select 2 credits from the following:

LIT4841	Research	1–2
LIT4995	Literature Internship	1–2

Select one of the following:

LIT2156	Contemporary Poetry	2
LIT2157	Contemporary Fiction	2
LIT3145	Contemporary World Literature	2

Select one of the following:

LIT3215	Studies in the Novel	4
LIT4835	Seminar in Literature Topics	4

Select one of the following:

ENG2215	Writer's Style	2
ENG2216	Writing of Poetry	2
ENG2217	Writing of Fiction	2

Select one of the following:

ENG3125	Structure of English Grammar	4
LIN2226	Introduction to Linguistics	4

Foreign Language8 cr

Must achieve second semester of first-year language sequence or higher. See page 47.

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Writing Concentration (B.A./B.S.)

The writing concentration prepares students to pursue graduate work in English, as well as careers in fields such as technical writing, publishing, and freelancing. In the writing concentration, students sharpen their critical thinking, reading, and writing skills as they engage in creative and professional writing. Electives allow students to pursue the types of writing that most interest them. The senior capstone course in writing enables students to produce a portfolio and to gain experience writing in a specialized field. The degree is granted upon completion of credits specified on pages 48–49 (40 credits must be successfully completed in 3000- or 4000-level courses).

- **Creative Expression** course in core curriculum must include DES1031.
- **Recommended courses** for general electives: PRL2061, PRL2085 and any upper-level JOU or LIT course.
- **B.A. option** requires achieving 1002-level competency in an approved foreign language. See page 47.

Required Courses46 cr

ENG2146	Writing for Organizations	2
ENG2215	Writer's Style	2
ENG2216	Writing of Poetry	2
ENG2217	Writing of Fiction	2
ENG3125	Structure of English Grammar	4
ENG3247	Technical Writing	2
ENG4435	Writing Theory and Ethics [WCE]	2
ENG4855	Senior Capstone: Creative Writing [OCE] or	
ENG4858	Senior Capstone: Professional Writing [OCE]	2
LIT2105	Literary Studies	4
Upper-level	LIT-prefix course(s) (MAY INCLUDE HONORS LITERATURE)	4

Select 16 credits from the following:

ENG2235	Editing and Proofreading	2
ENG3165	Instructional Design for Professional Writing	2
ENG3210	Christianity and Writing	2
ENG3219	Autobiographical Writing	2
ENG3240	Writing of Place	2
ENG3248	Grant Writing	2
ENG3249	Social Media Marketing	2
ENG3256	Advanced Writing of Poetry	2

ENG3257	Advanced Writing of Fiction	2
ENG3316	Freelance Content Writing	2
ENG3625	Advanced Writer's Workshop	2
ENG3805	Writing Topics	2
PRL2061	Multimedia Writing	4

Select one of the following:

LIT2156	Contemporary Poetry	2
LIT2157	Contemporary Fiction	2
LIT3145	Contemporary World Literature	2

Select 2 credits from the following:

ENG4615	Literary Editing	1
JOU4995	Writing Internship	1–2
JOU2625 or JOU4625	Journalism Workshop	1

NOTE: NO ONE COURSE CAN FULFILL TWO CATEGORIES.

English Electives4 cr

Select from courses with ENG, LIT, or LTH prefix. (ENG1105, 1825, 2205 and 2825 are not options.)

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Literature & Writing Concentration (B.A./B.S.)

The literature and writing concentration prepares students to pursue graduate work in English, as well as careers in fields such as the ministry, law, business, teaching, technical writing, publishing, and freelancing. In the literature and writing concentration, students sharpen their critical thinking, reading, and writing skills as they analyze and write about literary texts and as they engage in creative and professional writing. Options within the required course offerings allow students to pursue areas that most interest them. Students choose between a literature or writing emphasis for their capstone courses. The degree is granted upon completion of credits specified on pages 48–49 (40 credits must be successfully completed in 3000- or 4000-level courses).

- **Creative Expression** course in core curriculum must include DES1031.
- **B.A. option** requires achieving 1002-level competency in an approved foreign language. See page 47.

Required Courses	50 cr
ENG2146 Writing for Organizations	2
ENG2215 Writer's Style	2
ENG2216 Writing of Poetry	2
ENG2217 Writing of Fiction	2
ENG4435 Writing Theory and Ethics [WCE]	2
LIT2045 Epic Literature	2
LIT2105 Literary Studies	4
LTH4155 Literary Theory [WCE]	2
Select one of the following:	
ENG3125 Structure of English Grammar	4
LIN2226 Introduction to Linguistics	4
Select one of the following:	
LIT3231 British Literature I	4
LIT3232 British Literature II	4
Select one of the following:	
LIT3215 Studies in the Novel	4
LIT4835 Seminar in Literature Topics	4
Select one of the following:	
LIT3221 American Literature I	4
LIT3222 American Literature II	4
Select one of the following:	
LIT2156 Contemporary Poetry	2
LIT2157 Contemporary Fiction	2
LIT3145 Contemporary World Literature	2

Select 10 credits of the following:

ENG2235 Editing and Proofreading	2
ENG3165 Instructional Design for Professional Writing	2
ENG3210 Christianity and Writing	2
ENG3219 Autobiographical Writing	2
ENG3240 Writing of Place	2
ENG3247 Technical Writing	2
ENG3248 Grant Writing	2
ENG3249 Social Media Marketing	2
ENG3256 Advanced Writing of Poetry	2
ENG3257 Advanced Writing of Fiction	2
ENG3316 Freelance Content Writing	2
ENG3625 Advanced Writer's Workshop	2
ENG3805 Writing Topics	2

Select 2 credits in professional experience:

ENG4615 Literary Editing	1
ENG4995 Writing Internship	1–2
LIT4841 Research	1–2
LIT4995 Literature Internship	1–2

Select one of the following:

ENG4855 Senior Capstone: Creative Writing [OCE]	2
ENG4858 Senior Capstone: Professional Writing [OCE]	2
LIT4859 Senior Capstone: Literature [OCE]	2

WCE = WRITTEN COMMUNICATION EMPHASIS

OCE = ORAL COMMUNICATION EMPHASIS.

SEE PAGE 50 FOR EXPLANATION AND PREREQUISITES.

ENGLISH & LITERATURE

English Minor 16 cr

Required Courses: One writing course (excluding ENG1105, 1825, 2205, and 2825); one literature course.

Additional credits from courses with ENG, LIN, LIT, or LTH prefix (excluding ENG1105, 1825, 2205, and 2825).

Linguistics Minor 16 cr

Prerequisite to graduate with a linguistics minor: competency through first year of foreign language.

Required Course: LIN2226.

Select 12 additional credits from LIN-prefix topics in Linguistics; ENG3125; ESL3210 or 3215, 3315; ICS2045; LIT3145; may apply up to 8 out of 9 credits from CanIL-TWU transfer courses: LING310, 330, 360; may apply up to 8 out of 10 credits from Dallas International University transfer courses; AL4302, 4303, 4410.

Literature Minor 16 cr

Select 16 credits from courses with a LIT or LTH prefix (at least 4 credits must be from courses 3000 level or above).

Writing Minor 16 cr

Required Course: ENG2215, ENG2216, or ENG2217.

Select 14 additional credits from ENG-prefix courses (excluding ENG1105, 1825, 2205, and 2825).

Communication Arts/Literature Education Major Bachelor of Science

Full details are given under School of Education programs. See pages 107–112.

Department of HISTORY & RELATED FIELDS

Mission Statement

The Department of History & Related Fields aims to shape reflective human beings who possess both historical knowledge and the ability to read deeply, think historically and critically, and communicate well, qualities which equip them to provide God-honoring leadership in the home, church, community, and world.

To do this, the department provides students with a broad-based, historically rooted education. Students gain knowledge from a variety of methodological approaches and cover a range of diverse time periods while learning about the history of the ancient world, modern Europe, the United States, and the non-Western world. Students are uniquely equipped in their understanding of the world of the Bible and the history of the Church. They also acquire skills in conducting research, writing well, and deploying critical argumentation and analysis in historical writing. This preparation equips students for whatever vocations they pursue, including but not limited to vocations in history, politics, social science teaching, the law, international affairs, business, and ministry.

The Department of History & Related Fields offers courses in four areas—history, politics, economics, and geography. It offers two majors: 1) History and 2) Politics, History, and Economics, and four minors: 1) History, 2) Political Science, 3) Pre-Law, and 4) Museum Studies and Public History.

The department encourages internship participation for its students, as well as off-campus study through cooperative programs with the Council for Christian Colleges and Universities.

History Major Bachelor of Arts or Bachelor of Science

The History major is designed to provide students with a broad, general knowledge of the political, social, and cultural history of a variety of geographical regions and time periods. Each student takes a well-rounded selection of courses in the history of America and other areas of the world. Included in this curriculum is HIS4835 Senior Seminar, a course whose purpose is to teach historical research and writing skills. The program functions as a terminal major or as preparation for graduate study, leading to career opportunities in historical research, law, the service professions, business, government, or the ministry. The degree is granted upon completion of credits specified on pages 48–49 (40 credits must be successfully completed in 3000- or 4000-level courses).

- **B.A. option** requires achieving 1002-level competency in an approved foreign language. See page 47.

Required Courses 34 cr

HIS2001	U.S. History to 1877	4
HIS2002	U.S. History since 1877	4
HIS2005	Introduction to Historical Studies	2
HIS3125	History of the Christian Church from Apostolic Times to the Present	4
HIS4835	Senior Seminar [OCE, WCE]	4

Select one non-Western history course from the following:

HIS3105	History of the Ancient Near East	4
HIS3106	History and Archaeology of Ancient Egypt	4
HIS3155	History of East Asia	4
HIS3166	History of the Modern Middle East	4

Select 4 credits of ancient history from the following:

HIS3105	History of the Ancient Near East	4
HIS3106	History and Archaeology of Ancient Egypt	4
HIS3115	Old Testament Archaeology	2
HIS3116	New Testament Archaeology	2
HIS3128	History of the Greek World	4
HIS3129	History of the Roman World	4

Select 4 credits of modern history from the following:

HIS3135	Renaissance and Reformation	4
HIS3136	History of Europe in the 18th and 19th Centuries	4
HIS3145	History of Twentieth Century Europe	4
HIS3156	History of Russia from Earliest Times to the Present	4
HIS3805	Topics in European History	4

Select 4 credits of United States history from the following:

HIS3165	American Revolution and Early Republic	4
HIS3167	Civil War and Reconstruction	4
HIS3175	American Religious History	4
HIS3206	History of Recent America, World War II to the Present	4
HIS3805	Topics in U.S. History	4

History Electives 8 cr

Select from HIS-prefix courses at the 2000, 3000, or 4000 level. Of the 8 credits, no more than 4 credits can be at the 2000 level.

NOTE: NO COURSE CAN COUNT IN MORE THAN ONE CATEGORY.

NOTE: STUDENTS PREPARING FOR GRADUATE SCHOOL IN HISTORY OR LAW OR FOR A CAREER IN POLITICS ARE STRONGLY ENCOURAGED TO TAKE COURSES WITH HIS OR POS PREFIXES FOR THEIR GENERAL ELECTIVES.

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OCE = ORAL COMMUNICATION EMPHASIS.
SEE PAGE 50 FOR EXPLANATION AND PREREQUISITES.

HISTORY & RELATED FIELDS

History Minor 18 cr

Required courses: HIS2005, 3125. Remaining credits to be chosen from courses with HIS prefix, excluding HIS1005/HIS1825.

Politics, History, and Economics Major Bachelor of Arts or Bachelor of Science

The Politics, History, and Economics (PHE) program is an interdisciplinary program designed to equip students to contribute to the common good and human flourishing through understanding the structures and dynamics of public life. With elements of politics, history, economics, philosophy, and communication, the PHE program will equip students to give God-honoring leadership in the home, church, community, and world. One important component is the semester-long study-abroad experience in Washington, D.C., through the Council for Christian Colleges and Universities. This ensures that the students receive both academic and experiential learning opportunities. The program functions as a terminal major to equip students for careers in public service and international affairs, as well as provides preparation for graduate study in politics or law. The degree is granted upon completion of credits specified on pages 48–49 (40 credits must be successfully completed in 3000- or 4000-level courses).

- **Recommended course for Theological Philosophy Selectives** requirement in core curriculum: PHI2006.
- **Scientific & Quantitative Literacy** social science course in core curriculum must include POS1005.
- **B.A. option** requires achieving 1002-level competency in an approved foreign language. See page 47.

Politics 8 cr
 POS2005 U.S. National Government 4
 POS3165 Political Thought **or**
 POS3205 International Relations since World War II 4

History 14 cr
 HIS2001 U.S. History to 1877 **or**
 HIS2002 U.S. History since 1877 4
 HIS2005 Introduction to Historical Studies 2
 HIS4835 Senior Seminar [**OCE, WCE**] 4

Select one of the following:

HIS3129 History of the Roman World 4
 HIS3145 History of Twentieth Century Europe 4
 HIS3155 History of East Asia 4
 HIS3156 History of Russia from Earliest Times to the Present . . 4
 HIS3166 History of the Modern Middle East 4
 HIS3206 History of Recent America, World War II to the Present . . 4

Economics 4 cr
 ECO2211 Introduction to Economics **and**
 ECO2212 Principles of Macroeconomics 4
or
 ECO2201 Principles of Economics I 4

Select from the following 16 cr
 American Studies Program 15
 (SEE PAGE 210 FOR A LIST OF COURSES)^{# *}
 COM2107 Communication Theory 4
 ECO2213 Principles of Microeconomics 2
 PHI2016 Ethics 4
 POS2695 Minnesota Legislative Internship* 1–8
 POS4995 Political Science Internship* 1–8
 PRL2061 Multimedia Writing 4
 PRL3387 Political Communication 2

Selectives 8 cr
 Any HIS elective at the 2000 level or above
 Any POS elective at the 3000 level or above

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 SEE PAGE 50 FOR EXPLANATION AND PREREQUISITES.

[#] POS INTERNSHIP CREDIT REQUIRED IF NOT ATTENDING THE AMERICAN STUDIES PROGRAM.
^{*} SEE RELATED INFORMATION ON PAGES 20, 37–38

Political Science Minor 18 cr

Required Courses: POS1005, POS2005; 2–4 credits from ASP3719, POS2625/4625, 2695, 4995; 6–8 credits from ASP-prefix courses* (SEE PAGE 210 FOR A LIST OF COURSES), COM2107, ECO2201 or 2211 and 2212, 2202 or 2213, HIS3145, 3155, 3206, 3207, POS3165, 3205, 3805, PRL2061, 3387.

* SEE RELATED INFORMATION ON PAGES 20, 37–38

Pre-Law Minor 18 cr

Select courses from at least four of the five following areas:

History and Politics (4 cr): HIS2001, 2002, 3129, 3165; POS2005, 3165

Economics (4 cr): ECO2211, 2212

Communications (2–4 cr): COM2107, 3107; PRL2061, 3387

Philosophy (2–6 cr): PHI2006, 2016

Criminal Justice and Business (4 cr): BUS3331; CRJ2125, 3225, 4327*

*PRE-LAW MINORS ENROLLING IN CRJ4327 WILL NOT BE REQUIRED TO TAKE A PREREQUISITE COURSE.

Museum Studies and Public History Minor 18 cr

Required courses: HIS2005, 3095; select 4–8 credits from the following: ART3162, 3265, 3267, 3806, DES3069, 3000- or 4000-level HIS course, MCH3007, MUH3101, 3102, 3105, THE3181, 3282; select 4–8 credits from the following: ENG2146, 3248, 3249, MKT1085, PRL2061, 2085, 3035.

Social Studies Education Major Bachelor of Science

Full details are given under School of Education programs. See pages 107–111 and 122.

MUSIC & THEATRE

Department of **MUSIC & THEATRE**

Mission Statement

The Department of Music & Theatre teaches, mentors, and equips students to think, perform, worship, and lead with creativity and conviction, to the glory of God.

Department of Music & Theatre Goals

- Integrate worship and creativity into all of life.
- Offer academically rigorous and up-to-date courses and a variety of learning and performance opportunities for all Northwestern students.
- Model professionalism and integrity in teaching and performing.
- Maintain a caring, nurturing arts community on campus.
- Continue Northwestern's commitment to excellence in classical and traditional music and theatre, while also embracing newer styles in a Christian environment.
- Serve the campus, surrounding community, and region through performances.
- Engage students in service, missions, worship, and encounters with other cultures through department activities and tours.

The following information is applicable to all music majors/degrees:**Accreditation**

The University of Northwestern is an accredited institutional member of the National Association of Schools of Music (NASM).

Admissions Procedures

Applicants desiring to pursue a music degree should follow standard admissions procedures with the Office of Admissions. Entering freshmen who indicate their intent to work toward a major in music are considered pre-music majors until they successfully complete the Music Major Progress Interview.

Entrance Auditions

Entrance auditions are required for all students wishing to pursue a Bachelor of Arts in Music, Bachelor of Science in Music, Bachelor of Music, or Bachelor of Music Education degree. Please refer to unwsp.edu/music for audition guidelines, requirements, and dates.

Auditions: Ensembles and Private Lessons

All music majors are required to participate in a major performance ensemble and to take private lessons in their primary performance area. Ensemble auditions for students new to UNW are held during new student orientation. For audition information and dates, please contact the Music Office at 651-631-5218 or 888-878-5514.

Music Major Progress Interview

During the sophomore year, the Music Major Progress Interview is to be held before the music faculty. The Interview assesses the student's progress in lower-level music courses and, upon successful completion, grants formal status as a music major, thereby permitting access to 4000-level music courses. Please contact the Music Office for information and guidelines regarding the Music Major Progress Interview.

Music Theory Placement Exam

Incoming students with substantial background in music theory may choose to attempt a placement exam to test out of portions of the theory or sight singing and ear training sequence. More information is available from the Music Office.

Piano Proficiency

Each music degree has a piano proficiency requirement. Students must be enrolled in either MUP2013 Group Piano or private piano lessons each semester after MTC1007 Music Theory Foundations until the applicable Piano Proficiency Exam is passed.

Transfer Students

- All transfer music major applicants must go through the Music Audition Application process (including the online Music Theory Placement Exam) in order to be admitted (see unwsp.edu/music).
- At least 50% of the required ensemble credits for a music major/minor must be completed at UNW.
- The number of applied lesson credits accepted by UNW will be determined after one semester of applied lessons at UNW.
- Placement exams may be required for transfer credit for coursework in music theory/sight singing and ear training. This policy applies to both transfer applicants and current UNW students. Transfer credit and/or placement in the UNW theory/sight singing and ear training sequence will be based on the applicant’s performance on the exam. Contact the Department of Music & Theatre to schedule an exam (651-631-5218 or 888-878-5514).

Grades

All coursework in music must be passed with a grade of C- or above. For the Bachelor of Music Education, all coursework in the major, both music and education, must be passed with a grade of C or above.

Articulation Agreement in Music

Northwestern has an articulation agreement with Anoka-Ramsey Community College (ARCC) that facilitates credit transfer and provides a smooth transition for a student’s Associate in Fine Arts: Music from ARCC to Northwestern’s Bachelor of Arts degree in Music. Students must complete the entire ARCC program and meet Northwestern’s admission requirements. Students must earn a grade of C- or better for credits to transfer. Students must fulfill the graduation requirements at both institutions. Contact the Office of Admissions at University of Northwestern at admissions@unwsp.edu for the Program Articulation Table to see which specific courses will transfer.

Composition Major Bachelor of Music

The Bachelor of Music in Composition is a professional degree for the musically talented student interested in a highly intensive, in-depth study of music within the context of Scripture and the liberal arts. In addition to the music credits, the degree also includes core curriculum courses to round out one’s studies. It is an appropriate degree for students considering graduate studies, private teaching, composing and arranging, or other music-related professions. The Bachelor of Music in Composition does not qualify the student to be licensed to teach public school music. The degree is granted upon completion of credits specified on pages 48–49 (40 credits must be successfully completed in 3000- or 4000-level courses).

ENTRANCE AUDITIONS

ENTRANCE AUDITIONS ARE REQUIRED FOR ALL STUDENTS WISHING TO PURSUE A BACHELOR OF ARTS IN MUSIC, BACHELOR OF SCIENCE IN MUSIC, BACHELOR OF MUSIC, OR BACHELOR OF MUSIC EDUCATION. STUDENTS WISHING TO PURSUE A B.M. IN COMPOSITION MUST AUDITION IN COMPOSITION AND ON A SECONDARY INSTRUMENT/VOICE. PLEASE REFER TO THE MUSIC DEPARTMENT WEB PAGE AT UNWSP.EDU/MUSIC FOR AUDITION GUIDELINES, REQUIREMENTS, AND DATES FOR THE CURRENT ACADEMIC YEAR.

- **Cultural & Global Engagement** course in core curriculum must include MUH3106.
- **Creative Expression** courses in core curriculum must include MUS1075, MCH3007, or MUH3105.

Music Core	32–38 cr	Music Ensembles	6–8
MTC1007 Music Theory Foundations	4	(8 SEMESTERS IN ENSEMBLES; UP TO 2 SEMESTERS MAY BE SMALL ENSEMBLES. A MINIMUM OF 6 SEMESTERS TAKEN FOR CREDIT.)	
MTC2112 Music Theory II: Diatonic Practice	3	Private or Group Piano	0–4
MTC2004 Sight Singing and Ear Training II	1	(PIANO SECONDARY STUDENTS MUST BE ENROLLED IN PRIVATE OR GROUP PIANO UNTIL THE PIANO PROFICIENCY EXAM IS PASSED. VOCAL OR INSTRUMENTAL SECONDARY STUDENTS MUST BE ENROLLED IN PRIVATE OR GROUP PIANO UNTIL THE PIANO PROFICIENCY EXAM IS PASSED.)	
MTC3101 Music Theory III: Chromatic and Jazz-Pop Harmony [OCE]	3	Composition Courses	24 cr
MTC3102 Music Theory IV: Practices after 1875	3	MTC4207 Orchestration	2
MTC3103 Sight Singing and Ear Training III	1	MTC4209 Choral Arranging	2
MTC3104 Sight Singing and Ear Training IV	1	MTC4305 Analytic Techniques	3
MUH3101 Western Music History to 1750 [WCE]	4	MUP21XX Secondary Applied Voice/Instrument	4
MUH3102 Western Music History after 1750 [WCE]	4	(4 SEMESTERS/CREDITS OF LESSONS AT SECONDARY LEVEL ON ONE INSTRUMENT.)	
MUH3106 Music in World Cultures (SEE CULTURAL & GLOBAL ENGAGEMENT REQUIREMENT ABOVE)		MUP2160 Private Composition - Major	4
MUS1000 Music Hour (8 SEMESTERS REQUIRED)		MUP3160 Private Composition - Major	2
MUS2176 Fundamentals of Conducting	2	MUP3360 Private Counterpoint - Major	2
Select one of the following:		MUP4160 Private Composition - Major	4
(SEE CREATIVE EXPRESSION REQUIREMENT ABOVE)		MUP4696 Senior Recital - Full	1
MUS1075 Introduction to Music			
MCH3007 History of Music in the Church		Music Electives (A MINIMUM OF 6 UPPER-LEVEL CREDITS)	8
MUH3105 American Music			

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 OCE = ORAL COMMUNICATION EMPHASIS.
 SEE PAGE 50 FOR EXPLANATION AND PREREQUISITES.

MUSIC & THEATRE

Music Major Bachelor of Arts or Bachelor of Science

The Bachelor of Arts or Bachelor of Science degree in Music is designed for the musically talented student interested in studying music within the context of Scripture and the liberal arts. It is an appropriate degree program for the student considering private teaching, music business, music ministry, graduate training, or a wide range of careers related to music. The B.A./B.S. in Music does not qualify the student to be licensed to teach public school music. The degree is granted upon completion of credits specified on pages 48–49 (40 credits must be successfully completed in 3000- or 4000-level courses).

ENTRANCE AUDITIONS

ENTRANCE AUDITIONS ARE REQUIRED FOR ALL STUDENTS WISHING TO PURSUE A BACHELOR OF ARTS IN MUSIC, BACHELOR OF SCIENCE IN MUSIC, BACHELOR OF MUSIC, OR BACHELOR OF MUSIC EDUCATION. PLEASE REFER TO THE MUSIC DEPARTMENT WEB PAGE AT UNWSP.EDU/MUSIC FOR AUDITION GUIDELINES, REQUIREMENTS, AND DATES FOR THE CURRENT ACADEMIC YEAR.

- **Cultural & Global Engagement** course in core curriculum must include MUH3106.
- **Creative Expression** courses in core curriculum must include MUS1075, MCH3007, or MUH3105.
- **B.A. option** requires achieving 1002-level competency in an approved foreign language. See page 47.

Required Courses 39–45 cr

MTC1007	Music Theory Foundations.	4
MTC2112	Music Theory II: Diatonic Practice	3
MTC2004	Sight Singing and Ear Training II	1
MTC3101	Music Theory III: Chromatic and Jazz-Pop Harmony [OCE]	3
MTC3103	Sight Singing and Ear Training III.	1
MUH3101	Western Music History to 1750 [WCE]	4
MUH3102	Western Music History after 1750 [WCE]	4
MUH3106	Music in World Cultures (SEE CULTURAL & GLOBAL ENGAGEMENT REQUIREMENT ABOVE)	
MUS1000	Music Hour (6 SEMESTERS REQUIRED)	
MUS2176	Fundamentals of Conducting	2
Select one of the following:		
MUS4841	Senior Project	1–2
MUS4995	Music Internship	1–2
Select one of the following:		
(SEE CREATIVE EXPRESSION REQUIREMENT ABOVE)		
MCH3007	History of Music in the Church	
MUS1075	Introduction to Music	
MUH3105	American Music	

Private or Group Piano 0–3
 (STUDENTS MUST BE ENROLLED IN PRIVATE OR GROUP PIANO UNTIL THE PIANO PROFICIENCY EXAM IS PASSED.)

Private Music Lessons - Major level 6
 (6 CREDITS/6 SEMESTERS REQUIRED ON THE PRIMARY INSTRUMENT)

Music Ensembles 4–6
 (6 SEMESTERS IN ENSEMBLES ON PRIMARY INSTRUMENT (PIANO AND GUITAR MAY FULFILL THE REQUIREMENT ON A SECONDARY INSTRUMENT); UP TO 2 SEMESTERS MAY BE SMALL ENSEMBLES. A MINIMUM OF 4 SEMESTERS TAKEN FOR CREDIT.)

Music Electives (MUST BE UPPER-LEVEL). 6
NOTE: STUDENTS WHOSE PRIMARY INSTRUMENT IS VOICE MUST COMPLETE MUS3101 DICTION FOR SINGERS I.

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 SEE PAGE 50 FOR EXPLANATION AND PREREQUISITES.

Music Major Bachelor of Science

Music Ministry Emphasis

The Bachelor of Science in Music with an emphasis in Music Ministry is designed for the musically talented student with a passion for worship leading and church ministry. The B.S. in Music Ministry does not qualify the student to be licensed to teach public school music. The degree is granted upon completion of credits specified on pages 48–49 (40 credits must be successfully completed in 3000- or 4000-level courses).

Recommended Double Major The Bachelor of Science in Music with an emphasis in Music Ministry major works well as a double major with a B.S. in Ministry with a Worship and Creative Arts concentration or a B.S. in Youth Studies with a Worship and Creative Arts concentration. See the Chair of the Department of Christian Ministries for details and advising.

ENTRANCE AUDITIONS

ENTRANCE AUDITIONS ARE REQUIRED FOR ALL STUDENTS WISHING TO PURSUE A BACHELOR OF ARTS IN MUSIC, BACHELOR OF SCIENCE IN MUSIC, BACHELOR OF MUSIC, OR BACHELOR OF MUSIC EDUCATION. PLEASE REFER TO UNWSP.EDU/MUSIC FOR AUDITION GUIDELINES, REQUIREMENTS, AND DATES FOR THE CURRENT ACADEMIC YEAR.

- **Cultural & Global Engagement** course in core curriculum must include MUH3106.
- **Creative Expression** courses in core curriculum must include MCH3007.

Music Core16 cr

MCH3007	History of Music in the Church (SEE CREATIVE EXPRESSION REQUIREMENT ABOVE)	
MTC1007	Music Theory Foundations	4
MTC2112	Music Theory II: Diatonic Practice	3
MTC2004	Sight Singing and Ear Training II	1
MTC3101	Music Theory III: Chromatic and Jazz-Pop Harmony [OCE]	3
MTC3103	Sight Singing and Ear Training III	1
MUH3106	Music in World Cultures (SEE CULTURAL & GLOBAL ENGAGEMENT REQUIREMENT ABOVE)	
MUS1000	Music Hour (6 SEMESTERS REQUIRED)	

Select one of the following:

MUH3101	Western Music History to 1750 [WCE]	4
MUH3102	Western Music History after 1750 [WCE]	4

Music Ministry16 cr

MCH3125	Theology of Worship	2
MCH3216	Technology in Worship	2
MCH4315	Leading Worship	2
MCH4995	Music Ministry Internship	2
MIN1007	Ministry Foundations	4
MIN3216	Leadership in Ministry	4
MUS2176	Fundamentals of Conducting recommended as an elective	

Music Performance 10–15 cr

Private or Group Piano 0–3
(STUDENTS MUST BE ENROLLED IN PRIVATE OR GROUP PIANO UNTIL THE PIANO PROFICIENCY EXAM IS PASSED.)

MUP Private Applied Lessons - Major/Secondary Level 6
(MINIMUM OF 4 CREDITS/SEMESTERS ON A PRIMARY INSTRUMENT/VOICE MAJOR LEVEL. MUST PASS MUSIC MAJOR PROGRESS INTERVIEW PROFICIENCY LEVEL. INSTRUMENTAL MAJORS MAY HAVE 2 CREDITS/SEMESTERS OF PRIVATE APPLIED VOICE LESSONS. VOICE MAJORS MAY HAVE 2 CREDITS/SEMESTERS OF PRIVATE APPLIED LESSONS ON A SECONDARY INSTRUMENT.)

MEN30XX Music Ensembles 4–6
(6 SEMESTERS IN ENSEMBLES ON PRIMARY INSTRUMENT [PIANO AND GUITAR MAY FULFILL THE REQUIREMENT ON A SECONDARY INSTRUMENT]; UP TO 2 SEMESTERS MAY BE SMALL ENSEMBLES. A MINIMUM OF 4 SEMESTERS TAKEN FOR CREDIT.)

NOTE: STUDENTS WHOSE PRIMARY INSTRUMENT IS VOICE MUST COMPLETE MUS3101.

WCE = WRITTEN COMMUNICATION EMPHASIS.
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SEE PAGE 50 FOR EXPLANATION AND PREREQUISITES.

MUSIC & THEATRE

Music Education Major Bachelor of Music Education

The Music Education major is designed to prepare students to teach music in grades K–12 in private or public schools. The degree is granted upon completion of credits specified on pages 48–49 (40 credits must be successfully completed in 3000- or 4000-level courses) and demonstration of prescribed competencies and proficiencies. Due to the number of credits required, the music education degree normally takes 4 1/2 years to complete. See also pages 107–111 and 119–120.

ENTRANCE AUDITIONS

ENTRANCE AUDITIONS ARE REQUIRED FOR ALL STUDENTS WISHING TO PURSUE A BACHELOR OF ARTS IN MUSIC, BACHELOR OF SCIENCE IN MUSIC, BACHELOR OF MUSIC, OR BACHELOR OF MUSIC EDUCATION. MUSIC EDUCATION MAJORS WHOSE PRIMARY INSTRUMENT IS PIANO MUST AUDITION ON BOTH PIANO AND THEIR SECONDARY INSTRUMENT/VOICE. PLEASE REFER TO UNWSP.EDU/MUSIC FOR AUDITION GUIDELINES, REQUIREMENTS, AND DATES FOR THE CURRENT ACADEMIC YEAR.

- **Cultural & Global Engagement** requirement in core curriculum must include EDU3209, 3209L, and 3225.
- **Creative Expression** courses in core curriculum must include MUH3105 and MUH3106.
- **Scientific & Quantitative Literacy** social science course in core curriculum: PSY2108.

Grades

All coursework in the major, both music and education, must be passed with a grade of C or above.

Note: See also Teacher Education Program requirements (pages 107–111).

Education Core.....	.32 cr
EDU2215 Educational Foundations.....	2
EDU2215L Educational Foundations Lab.....	0
EDU3209 Human Relations in a Cross-Culturally Diverse World (SEE CULTURAL & GLOBAL ENGAGEMENT REQUIREMENT ABOVE)	
EDU3209L Human Relations Lab (SEE CULTURAL & GLOBAL ENGAGEMENT REQUIREMENT ABOVE)	
EDU3215 Educational Psychology.....	2
EDU3217 School Health and Drug Problems.....	2
EDU3225 Educating Multilingual Learners (SEE CULTURAL & GLOBAL ENGAGEMENT REQUIREMENT ABOVE)	
EDU3235 Instructional Foundations [WCE]	3
EDU3285 Educating Diverse Learners.....	2
EDU3285L Educating Diverse Learners Lab.....	0
EDU3255 Content Area Reading.....	2
EDU3301 Instructional Technology I.....	1
EDU3302 Instructional Technology II.....	1
EDU4415 Education Ethics [OCE]	2
EDU4835 Seminar in Professional Issues.....	1

Student Teaching in Music Education–Elementary

EDU4935 Vocal and Classroom or	
EDU4937 Instrumental and Classroom.....	7

Student Teaching in Music Education–Secondary

EDU4936 Vocal and Classroom or	
EDU4938 Instrumental and Classroom.....	7

Music Core	32–38 cr
MTC1007 Music Theory Foundations.....	4
MTC2112 Music Theory II: Diatonic Practice.....	3
MTC2004 Sight Singing and Ear Training II.....	1
MTC3101 Music Theory III: Chromatic and Jazz-Pop Harmony [OCE]	3
MTC3102 Music Theory IV: Practices after 1875.....	3
MTC3103 Sight Singing and Ear Training III.....	1
MTC3104 Sight Singing and Ear Training IV.....	1
MUH3101 Western Music History to 1750 [WCE]	4
MUH3102 Western Music History after 1750 [WCE]	4
MUH3105 American Music (SEE CREATIVE EXPRESSION REQUIREMENT ABOVE)	
MUH3106 Music in World Cultures (SEE CREATIVE EXPRESSION REQUIREMENT ABOVE)	
MUS1000 Music Hour (5 SEMESTERS REQUIRED)	
MUS2176 Fundamentals of Conducting.....	2

Music Ensembles..... **6–8**
 (8 SEMESTERS IN ENSEMBLES ON PRIMARY INSTRUMENT [PIANO AND GUITAR MAY FULFILL THE REQUIREMENT ON A SECONDARY INSTRUMENT]; UP TO 2 SEMESTERS MAY BE SMALL ENSEMBLES. A MINIMUM OF 6 SEMESTERS TAKEN FOR CREDIT.)

Private or Group Piano..... **0–4**
 (VOCAL OR INSTRUMENTAL CLASSROOM MUSIC SPECIALIZATION STUDENTS MUST BE ENROLLED IN PRIVATE OR GROUP PIANO UNTIL THE PIANO PROFICIENCY EXAM IS PASSED. PRIMARY INSTRUMENT PIANO STUDENTS MUST BE ENROLLED IN PRIVATE PIANO LESSONS UNTIL THE PIANO PROFICIENCY EXAM IS PASSED.)

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 OCE = ORAL COMMUNICATION EMPHASIS.
 SEE PAGE 50 FOR EXPLANATION AND PREREQUISITES.

Students select one of the following specializations:

Vocal and Classroom Music Specialization 24–27 cr

Emphasis: Vocal 24 cr

MUS3101	Diction for Singers I	1
MUS3102	Diction for Singers II	1
MUS3277	Advanced Conducting	2
MUS4401	Vocal Pedagogy I	2
MUP2100, 3100	Private Voice - Major	8
MUP4695	Senior Recital - Half	0
MUE3270	Instrumental Methods Overview	1
MUE3601V	Music Education Field Experience - Elementary Vocal .	0
MUE3602V	Music Education Field Experience - Secondary Vocal .	0
MUE4355	Elementary and Middle School Music Methods (Grades K–8)	4
MUE4365	Secondary Choral and General Music Methods.	3
MTC4209	Choral Arranging.	2

Emphasis: Vocal with Primary Instrument Piano or Guitar . . . 27 cr

MUS3101	Diction for Singers I	1
MUS3102	Diction for Singers II	1
MUS3277	Advanced Conducting	2
MUS4401	Vocal Pedagogy I	2
MUP2107	Private Voice - Secondary*	4
MUP2110, 3110	Private Piano - Major or	
MUP2150, 3150	Private Guitar - Major	7
MUP4695	Senior Recital - Half	0
MUE3270	Instrumental Methods Overview	1
MUE3601V	Music Education Field Experience - Elementary Vocal .	0
MUE3602V	Music Education Field Experience - Secondary Vocal .	0
MUE4355	Elementary and Middle School Music Methods (Grades K–8)	4
MUE4365	Secondary Choral and General Music Methods.	3
MTC4209	Choral Arranging.	2

* A MINIMUM OF 4 SEMESTERS AND UNTIL VOCAL PROFICIENCY IS COMPLETED.

Instrumental and Classroom Music Specialization 23–27 cr

Emphasis: Instrumental 23 cr

MUS3277	Advanced Conducting	2
MUP1001	Class Voice I or	
MUP2107	Private Voice - Secondary	1
MUP21XX, 31XX	Private Instrument - Major	7
MUP4695	Senior Recital - Half	0
MUE3601I	Music Education Field Experience - Elementary Instrumental	0
MUE3602I	Music Education Field Experience - Secondary Instrumental	0
MUE4355	Elementary and Middle School Music Methods (Grades K–8)	4
MUE4375	Woodwind Methods.	1
MUE4376	Brass Methods	1
MUE4377	Percussion Methods	1
MUE4378	String Methods.	1
MUE4379	Band/Orchestra and General Music Methods	3
MTC4207	Orchestration	2

Emphasis: Instrumental with Primary Instrument Piano or Guitar 27 cr

MUS3277	Advanced Conducting	2
MUP1001	Class Voice I or	
MUP2107	Private Voice - Secondary	1
MUP2110, 3110	Private Piano - Major or	
MUP2150, 3150	Private Guitar - Major	7
MUP21XX	Applied Music (Secondary)	4
MUP4695	Senior Recital - Half	0
MUE3601I	Music Education Field Experience - Elementary Instrumental	0
MUE3602I	Music Education Field Experience - Secondary Instrumental	0
MUE4355	Elementary and Middle School Music Methods (Grades K–8)	4
MUE4375	Woodwind Methods.	1
MUE4376	Brass Methods	1
MUE4377	Percussion Methods	1
MUE4378	String Methods.	1
MUE4379	Band/Orchestra and General Music Methods	3
MTC4207	Orchestration	2



MUSIC & THEATRE

Music Performance Major Bachelor of Music

The Bachelor of Music in Music Performance is a professional degree for the musically talented student interested in a highly intensive, in-depth study of music within the context of Scripture and the liberal arts. In addition to the music credits, the degree also includes core curriculum courses to round out one's studies. It is an appropriate degree for students considering performing careers, graduate studies, private teaching, composing and arranging, or other music-related professions. The Bachelor of Music in Music Performance does not qualify the student to be licensed to teach public school music. The degree is granted upon completion of credits specified on pages 48–49 (40 credits must be successfully completed in 3000- or 4000-level courses).

ENTRANCE AUDITIONS

ENTRANCE AUDITIONS ARE REQUIRED FOR ALL STUDENTS WISHING TO PURSUE A BACHELOR OF ARTS IN MUSIC, BACHELOR OF SCIENCE IN MUSIC, BACHELOR OF MUSIC, OR BACHELOR OF MUSIC EDUCATION. PLEASE REFER TO UNWSP.EDU/MUSIC FOR AUDITION GUIDELINES, REQUIREMENTS, AND DATES FOR THE CURRENT ACADEMIC YEAR.

Concentration Areas

Bassoon, Cello, Clarinet, Euphonium, Flute, Guitar, Harp, French Horn, Oboe, Percussion, Piano, Saxophone, String Bass, Trombone, Trumpet, Tuba, Viola, Violin, Voice.

- **Cultural & Global Engagement** course in core curriculum must include MUH3106.
- **Creative Expression** courses in core curriculum must include MUS1075, MCH3007, or MUH3105.

Music Core 32–38 cr

MTC1007	Music Theory Foundations.	4
MTC2112	Music Theory II: Diatonic Practice	3
MTC2004	Sight Singing and Ear Training II	1
MTC3101	Music Theory III: Chromatic and Jazz-Pop Harmony [OCE]	3
MTC3102	Music Theory IV: Practices after 1875	3
MTC3103	Sight Singing and Ear Training III.	1
MTC3104	Sight Singing and Ear Training IV.	1
MUH3101	Western Music History to 1750 [WCE]	4
MUH3102	Western Music History after 1750 [WCE].	4
MUH3106	Music in World Cultures (SEE CULTURAL & GLOBAL ENGAGEMENT REQUIREMENT ABOVE)	
MUS1000	Music Hour (8 SEMESTERS REQUIRED)	
MUS2176	Fundamentals of Conducting.	2

Select one of the following:

MCH3007	History of Music in the Church
MUH3105	American Music
MUS1075	Introduction to Music (SEE CREATIVE EXPRESSION REQUIREMENT ABOVE)

Music Ensembles 6–8

(8 SEMESTERS IN ENSEMBLES ON PRIMARY INSTRUMENT (PIANO AND GUITAR MAY FULFILL THE REQUIREMENT ON A SECONDARY INSTRUMENT); UP TO 2 SEMESTERS MAY BE SMALL ENSEMBLES. VOCAL SPECIALIZATION–1 SEMESTER OF OPERA WORKSHOP REQUIRED. A MINIMUM OF 6 SEMESTERS TAKEN FOR CREDIT.)

Private or Group Piano 0–4

(VOCAL STUDENTS MUST BE ENROLLED IN PRIVATE OR GROUP PIANO UNTIL THE PIANO PROFICIENCY EXAM IS PASSED. INSTRUMENTAL STUDENTS MUST BE ENROLLED IN PRIVATE OR GROUP PIANO UNTIL THE PIANO PROFICIENCY EXAM IS PASSED OR MUP2011 IS PASSED WITH A C- OR BETTER. PIANO STUDENTS MUST BE ENROLLED IN PRIVATE PIANO LESSONS UNTIL THE PIANO PROFICIENCY EXAM IS PASSED.)

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SEE PAGE 50 FOR EXPLANATION AND PREREQUISITES.

Select one of the following specializations:

Voice Performance Specialization. 32 cr

MTC4305	Analytic Techniques	3
MUP2100, 3100, 4100	Private Voice - Major.	14
MUP3695	Junior Recital - Half	0
MUP4696	Senior Recital - Full	1
MUS3101	Diction for Singers I	1
MUS3102	Diction for Singers II.	1
MUS3277	Advanced Conducting	2
MUS4401	Vocal Pedagogy I	2
MUS4402	Vocal Pedagogy II	2
	Upper-level music electives	6

Instrumental Performance Specialization 31 cr

MTC4207	Orchestration	2
MTC4305	Analytic Techniques	3
MUL4345	Instrumental Literature - Major Instrument	2
MUP21XX, 31XX, 41XX	Private Instrument - Major	14
MUP3695	Junior Recital - Half	0
MUP4696	Senior Recital - Full	1
MUS3277	Advanced Conducting	2
	Upper-level music electives	6

Select one of the following:

MUE3270	Instrumental Methods Overview	1
MUE4375	Woodwind Methods.	1
MUE4376	Brass Methods	1
MUE4377	Percussion Methods	1
MUE4378	String Methods.	1

Piano Performance Specialization 30 cr

MTC4305	Analytic Techniques	3
MUL4315	Piano Literature	2
MUS3215	Piano Pedagogy	2
MUP3216	Keyboard Techniques	2
MUP2110, 3110, 4110	Private Piano - Major.	14
MUP3695	Junior Recital - Half	0
MUP4696	Senior Recital - Full	1
	Upper-level music electives	6

Music Composition Minor 16–18 cr

Required Courses: MTC1007, 2004, 2112; MUP2165 (three semesters of lessons), 2365 (one semester of lessons); MUS4841; 2–3 credits selected from (not already required for student's degree; BA/BS Music select 3 credits; other degrees 2 credits): MUE4375, 4376, 4377, 4378; MUP2107, 2110; 2 credits selected from (not already required for student's degree): MTC4207 or 4209. Zero credits in MEN3XXX (2 semesters of music ensembles on primary instrument/voice). Zero credits MUS1000 (2 semesters). MUS1075 or MUH3105 (Creative Expression in the core curriculum).

Music Minor 16–18 cr

Required Courses: MTC1007; MUS1000 (2 semesters required); MUS1075 or MUH3105; four semesters (4 credits) of minor level lessons on primary instrument/voice; four semesters of music ensembles on primary instrument/voice with a minimum of two semesters taken for credit; 4 credits of music electives (may include any music course with a MCH, MEN, MTC, MUH, MUL, MUP, or MUS prefix). Maximum of 2 credits of MEN courses and a maximum 2 credits of MUP courses counted in this category.

Songwriting Minor 17 cr

- **Creative Expression** courses in core curriculum must include MUS1075 or MUH3105.

Required Courses: MEN3XXX (2 semesters of music ensembles on primary instrument/voice); MEP1012; MTC1007, 2004, 2112; MUP2225 (4 semesters of minor-level Private Songwriting lessons); MUS1000 (2 semesters), 1075, or MUH3105 (Creative Expression in the core curriculum).

MUSIC & THEATRE

Theatre Major Bachelor of Arts or Bachelor of Science

Theatre at University of Northwestern – St. Paul builds upon its outstanding tradition of integrating the arts into a Christian worldview. Students have the opportunity to explore and experience every aspect of theatre while encompassed in a Christian liberal arts university. These students are encouraged to incorporate theatre into their cultural experience, to aspire to academic excellence, to equip themselves for theatrical contribution to their culture, and to formulate a Christian perspective of the whole. The degree is granted upon completion of credits specified on pages 48–49 (40 credits must be successfully completed in 3000- or 4000-level courses).

- **Cultural & Global Engagement** course in core curriculum must include THE3075.
- **Creative Expression** course in core curriculum must include THE1055.
- **B.A. option** requires achieving 102-level competency in an approved foreign language. See page 47.

Theatre Requirements30 cr

THE1045	Theatre Production and Performance*	. . . . .2
THE1051	Acting I	4
THE2065	Stage Management	2
THE2165	Introduction to Stage Technologies	4
THE3011	Directing	4
THE3075	Theatre Study Tour (SEE CULTURAL & GLOBAL ENGAGEMENT REQUIREMENT ABOVE)	
THE3166	Theatre Management	4
THE3181	Theatre History to 1850 [OCE]	4
THE3282	Theatre History after 1850 [WCE]	4
THE4835	Senior Seminar	2

*SIX TOTAL SEMESTERS OF THEATRE PRODUCTION AND PERFORMANCE ARE REQUIRED FOR THEATRE MAJORS, WITH AT LEAST FOUR SEMESTERS OF THE1045 OR THE3145 WILL BE TAKEN FOR CREDIT THAT COUNT TOWARD THE MAJOR

Concentration 20 cr
Note: None of the courses used to satisfy core curriculum requirements may be applied to the concentration and vice versa.

Select a concentration. Requirements are listed below.

Dance Concentration (20 cr)

THE1035	Introduction to Dance	2
THE2037	Tap Dance	2
THE2038	Ballet	2
THE2039	Jazz Dance	2
THE3037	Dance History and Perspectives	4
THE3135	Modern Dance	2
THE4135	Choreography	4

Select one of the following:

THE4995	Theatre Performance Internship	2
THE4997	Dance Performance Internship	2

Musical Theatre Concentration (20 cr)

MTC1007	Music Theory Foundations	4
MUP2106	Private Voice - Elective	4 credits/semesters
THE1035	Introduction to Dance	2
THE2037	Tap Dance	2
THE2038	Ballet	2
THE2039	Jazz Dance	2
THE3625	Music Theatre Workshop	4

Theatre Selectives Concentration (20 cr)

Any THE-prefix courses. THE1045 does not apply.

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 SEE PAGE 50 FOR EXPLANATION AND PREREQUISITES.

Dance Minor 16 cr

Required Courses: THE1035, 3037, 4135. Remaining 6 credits selected from any technique dance course: THE2037, 2038, 2039, 3135.

Theatre Minor 16 cr

Required Courses: THE1051, THE1055, and 2 credits/2 semesters of THE1045. Remaining 8 credits selected from any course with THE prefix, but THE1045 does not apply.

Department of WORLD LANGUAGES

Mission Statement

The Department of World Languages provides instruction in modern world languages with an emphasis on communicative competence and cultural and historical knowledge of the target language; it prepares graduates to understand, communicate, and serve people and communities with compassion throughout the world from a thoughtful Christian perspective.

The Department of World Languages prepares educators for service within public or private schools in the fields of English as a second language education and Spanish education who engage the learning community through effective, learner-centered practices and are grounded in educational theory, content knowledge, reflective inquiry, and appreciation for diversity within a Christ-centered worldview.

Spanish Major Bachelor of Arts

The Spanish major focuses on the development of oral proficiency and exposure to the cultures of Spanish speakers in the Western Hemisphere and in Spain. Students who pursue this major are equipped to use the language as a bilingual professional in any career or ministry. The major also provides a foundation for graduate studies. Students will spend one semester in Seville, Spain, as participants in the Semester in Spain (SIS) program of Trinity Christian College, or one semester in San José, Costa Rica, as participants in the Students International (SI) program. The degree is granted upon completion of credits specified on pages 48–49 (40 credits must be successfully completed in 3000- or 4000-level courses).

- **Creative Expression** course in core curriculum: SPA3325.

Required Courses*	18 cr
SPA2101 Intermediate Spanish I.....	4
SPA2102 Intermediate Spanish II.....	4
SPA3201 Spanish Grammar.....	4
SPA3202 Spanish Conversation and Composition [OCE, WCE] .	4
SPA3325 Latin American Short Stories (SEE CREATIVE EXPRESSION REQUIREMENT ABOVE)	
SPA4845 Senior Project.....	2
*Must include at least one 4-credit University of Northwestern SPA-prefix course numbered 2000 or above.	

Track..... 16–18 cr
Select a track. Requirements are listed below.

Track 1 Semester in Spain (SIS), Seville, Spain*16 cr

Transfer courses from SIS:

SIS366 Spanish American Literature II 4

Select one of the following:

SIS351 Advanced Grammar and Composition 4

SIS401 Advanced Communication..... 4

Select one of the following:

SIS311 History and Civilization..... 4

SIS312 Spain of Three Cultures..... 4

SIS355 Spanish Literature I..... 4

SIS356 Spanish Literature II..... 4

Any SIS Spanish electives..... 4

Track 2 Students International (SI), San José, Costa Rica* 18 cr

SPN3015 Mission in Latin American Contexts 4

SPN3025 Peoples and Cultures of Costa Rica 4

SPN3640 Literature and Cultures of Spanish..... 4

SPN4010 Advanced Spanish Grammar and Communication .. 4

SPN4995 International Internship in Costa Rica..... 2

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SEE PAGE 50 FOR EXPLANATION AND PREREQUISITES.

* SEE RELATED INFORMATION ON PAGES 20, 37–38

NOTE REGARDING THE SPANISH MAJOR AND THE SPANISH MINOR: STUDENTS MUST RECEIVE GRADES OF C OR ABOVE IN SPA2101, 2102 AND 3201 IN ORDER TO ADVANCE TO UPPER-LEVEL COURSES COUNTING TOWARD THE SPANISH MAJOR OR MINOR.

WORLD LANGUAGES

Spanish Minor 16 cr

Please note that Spanish minors who choose to study abroad* are strongly encouraged to do so with our preferred programs, Semester in Spain or Students International – Costa Rica.

- **Creative Expression** course in core curriculum must include SPA3325.

Required Courses: SPA2101, 2102, 3201, 3202.

* SEE RELATED INFORMATION ON PAGES 20, 37–38

Chinese Studies Minor 16 cr

Required Courses: CHN1001, 1002, 2101, 2102.

International Studies Minor 20 cr

(**PR:** ACCEPTANCE INTO A COUNCIL FOR CHRISTIAN COLLEGES AND UNIVERSITIES (CCCU) STUDY-ABROAD PROGRAM.)

Required Courses: 16 credits through a semester of study in one of the CCCU international programs.* See cccuglobaled.org course listings on pages 210–211. The remaining 4 credits are to be selected from BUS3235, COM3107, ICS2015, POS3205.

* SEE RELATED INFORMATION ON PAGES 20, 37–38

Modern Languages Minor 16 cr

Required Courses: Any four 4-credit modern language courses.

Teaching English to Speakers of Other Languages (TESOL) Minor 20 cr

Required Courses: ENG3125; ESL3215, 3315, 4325, 4326; LIN2226.

ESL Education Major Bachelor of Arts

Full details are given under School of Education programs. See pages 107–111 and 117.

Spanish Education Major Bachelor of Arts

Full details are given under School of Education programs. See pages 107–111 and 123.

College of **BEHAVIORAL & NATURAL SCIENCES**

Department of Biology & Biochemistry	PAGE 82
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Department of Engineering	PAGE 91
Department of Interdisciplinary Studies	PAGE 93
Department of Kinesiology, Sports Management, & Physical Education	PAGE 95
Department of Psychology, Criminal Justice, & Law Enforcement	PAGE 97

BIOLOGY & BIOCHEMISTRY

Department of BIOLOGY & BIOCHEMISTRY

Mission Statement

The mission of the Department of Biology and Biochemistry is to teach students the foundational concepts and skills of the sciences through a Christian worldview. Students are trained to apply the scientific method, to analyze observations quantitatively and qualitatively, and to integrate knowledge between scientific disciplines. Students learn to value scientific inquiry as a means of exploring God's general revelation in the natural world.

The Department of Biology & Biochemistry prepares students for careers in science and for a wide variety of professional schools, including graduate programs in biology, biochemistry, and health professions such as medicine, nursing, physician assistant, dentistry, chiropractic, pharmacy, and physical therapy. Biology and biochemistry exert more influence in our society than ever before, and the department strives to be in the vanguard of an approach to education based on inquiry and critical thinking within the framework of a Christian worldview.

NOTE: WHEN A STUDENT RECEIVES A "U" GRADE FOR THE LAB PORTION OF A SCIENCE COURSE, HE/SHE RECEIVES CREDIT FOR THE COURSE, BUT THE COURSE DOES NOT COUNT FOR LABORATORY SCIENCE CREDIT IN CORE CURRICULUM.

Biochemistry Major Bachelor of Science

Biochemistry is the study of carbohydrates, proteins, lipids, nucleic acids, and the processes of these molecules in the body. A rapidly developing discipline within the sciences, biochemistry intersects with physiology, medicine, cell biology, genetics, etc. In recent years the pace of biochemical discovery has accelerated due to the profound transformation wrought by recombinant DNA technology. Biochemistry majors will be well prepared to enter the work force or pursue (master's/Ph.D.) graduate degrees, medical school, or other professional training. The degree is granted upon completion of credits specified on pages 48–49 (40 credits must be successfully completed in 3000- or 4000-level courses).

- **Scientific & Quantitative Literacy** courses in core curriculum: natural science courses PHY1101/1101L or 1201/1201L; mathematics course MAT2121.
- **Biochemistry majors** must receive a C- or better in all prerequisite courses. In addition, they must have a cumulative grade point average of at least 2.0 in all courses with BIO, CHE, and PHY prefixes in order to graduate.

Required Courses 49–50 cr

BIO1011/1011L	Principles of Biology I	4
BIO1012	Principles of Biology II	4
BIO3231/3231L	Biochemistry I	5
BIO3232	Biochemistry II	4
BIO3246/3246L	Genetics or	
BIO4841/CHE4841	Research/Chemistry Research	4–5
BIO4835	Senior Seminar [OCE, WCE]	2
CHE1021/1021L	Principles of Chemistry I	4
CHE1022/1022L	Principles of Chemistry II	4
CHE3101/3101L	Organic Chemistry I	5
CHE3102/3102L	Organic Chemistry II	5
CHE3321	Physical Chemistry	4
PHY1102/1102L	Fundamentals of Physics II	4

Students are strongly encouraged to take additional BIO courses to count towards the general elective requirements.

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SEE PAGE 50 FOR EXPLANATION AND PREREQUISITES.

Biology Major Bachelor of Science

Through a sequence of core courses, the biology major provides students with a comprehensive study of the various sub-disciplines of biology including cell and molecular biology, organismal biology, genetics, and ecology. Opportunities for research, independent study, and practical internships further strengthen each student's degree and résumé. The major is a flexible program that contains four unique tracks: Cellular and Molecular Biology, Environmental Biology, General Biology, and Pre-Medical/Pre-Professional Biology. After completing the biology core requirements, students are able to select from a wide variety of science electives to prepare for any profession in the biological sciences: **Clinical Health Sciences**, including medical, dental, veterinary, physician assistant, doctor of nurse practitioner, public health, physical therapy, chiropractic, etc.; **Research Sciences**, including biomedical industry, M.S. and Ph.D. programs in cellular and molecular biology, plant and environmental science, forensic science, genetics, etc. The degree is granted upon completion of credits specified on pages 48–49 (40 credits must be successfully completed in 3000- or 4000-level courses).

Cellular and Molecular Biology Track (49–51 cr)

- **Scientific & Quantitative Literacy** courses in core curriculum: natural science course CHE1021/1021L; mathematics course MAT2055 or higher.
- **For all natural science courses**, must receive a C- or better in all prerequisite courses. In addition, biology majors and minors must have a cumulative grade point average of at least 2.0 in all courses with BIO, CHE, and PHY prefixes in order to graduate.

Biology Core	19 cr
BIO1011/1011L Principles of Biology I	4
BIO1012 Principles of Biology II	4
BIO2113/2113L Principles of Biology III	4
BIO4835 Senior Seminar [OCE, WCE]	2
CHE3101/3101L Organic Chemistry I	5

Required Courses	26–27 cr
BIO3145/3145L Microbiology	4
BIO3246/3246L Genetics	5
BIO3347 Cell Physiology or	
BIO3348/3348L Cell Biology	4–5
CHE1022/1022L Principles of Chemistry II	4
CHE3102/3102L Organic Chemistry II	5
PHY1101/1101L Fundamentals of Physics I or	
PHY1201/1201L Engineering Physics I	4

Selectives	4–5 cr
BIO3157/3157L Human Anatomy	4
BIO3158/3158L Human Physiology	4
BIO3231/3231L Biochemistry I	5
BIO3232 Biochemistry II	4
BIO3236 Immunology	4
BIO4355 Developmental Biology	4
BIO4841/CHE4841 Research/Chemistry Research	1–4
BIO4995 Biology Internship	1–4
MAT courses numbered 2122 or higher	
CHE courses numbered 3321 or higher	
PHY courses numbered 1102 or higher	
Au Sable Institute* courses	

Students are strongly encouraged to take additional BIO, MAT, PHY, or CHE courses to count towards the general elective requirements and gain experience through research or internship opportunities.

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SEE PAGE 50 FOR EXPLANATION AND PREREQUISITES.

* SEE RELATED INFORMATION ON PAGES 20, 37–38

Environmental Biology Track (49 cr)

- **Theological Philosophy** course in core curriculum: PHI2016.
- **Scientific & Quantitative Literacy** courses in core curriculum: natural science course CHE1021/1021L; mathematics course MAT2055 or higher.
- **For all natural science courses**, must receive a C- or better in all prerequisite courses. In addition, biology majors and minors must have a cumulative grade point average of at least 2.0 in all courses with BIO, CHE, and PHY prefixes in order to graduate.

Biology Core	19 cr
BIO1011/1011L Principles of Biology I	4
BIO1012 Principles of Biology II	4
BIO2113/2113L Principles of Biology III	4
BIO4835 Senior Seminar [OCE, WCE]	2
CHE3101/3101L Organic Chemistry I	5

Required Courses	20 cr
ASI3300 Geographic Information Systems or	
ASI3620 Environmental Applications for Geographic Information Systems	4
BIO2016 Our Changing Climate	2
BIO3017 Analysis of Vegetative Communities Lab	2
BIO3175/3175L Ecology	4
BIO3277/3277L Conservation Biology	4
CHE1022/1022L Principles of Chemistry II or	
ASI3320 Environmental Chemistry*	4

Selectives	10 cr
BIO2015 Sustainable Urban Agriculture	2
BIO2116/2116L Animal Biology	4
BIO3015/3015L Field Ornithology	4
BIO3145/3145L Microbiology	4
BIO3215/3215L Plant Biology	4
BIO3246/3246L Genetics	5
BIO4841/CHE4841 Research/Chemistry Research	1–4
BIO4995 Biology Internship	1–4
Au Sable Institute* courses	4–12

Students are strongly encouraged to take additional BIO, MAT, PHY or CHE courses to count towards the general elective requirements and gain experience through research or internship opportunities.

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* SEE RELATED INFORMATION ON PAGES 20, 37–38

BIOLOGY & BIOCHEMISTRY

General Biology Track (50 cr)

- **Scientific & Quantitative Literacy** courses in core curriculum: natural science course CHE1021/1021L; mathematics course MAT2055 or higher.
- **For all natural science courses**, must receive a C- or better in all prerequisite courses. In addition, biology majors and minors must have a cumulative grade point average of at least 2.0 in all courses with BIO, CHE, and PHY prefixes in order to graduate.

Biology Core **19 cr**

BIO1011/1011L	Principles of Biology I	4
BIO1012	Principles of Biology II	4
BIO2113/2113L	Principles of Biology III	4
BIO4835	Senior Seminar [OCE, WCE]	2
CHE3101/3101L	Organic Chemistry I	5

Required Courses **9 cr**

BIO3246/3246L	Genetics	5
PHY1101/1101L	Fundamentals of Physics I or	
PHY1201/1201L	Engineering Physics I	4

Biology Electives **22 cr**

BIO1025	Medical Terminology	2
BIO2015	Sustainable Urban Agriculture	2
BIO2116/2116L	Animal Biology	4
BIO2825/2825L	Honors Topics in Biology	2 or 4
BIOX805	Topics in Biology	2–4
BIO3015/3015L	Field Ornithology	4
BIO3145/3145L	Microbiology	4
BIO3157/3157L	Human Anatomy	4
BIO3158/3158L	Human Physiology	4

BIO3159	Pathophysiology	4
BIO3175/3175L	Ecology	4
BIO3231/3231L	Biochemistry I	5
BIO3232	Biochemistry II	4
BIO3236	Immunology	4
BIO3276/3276L	Field Biology	4
BIO3277/3277L	Conservation Biology	4
BIO3347	Cell Physiology	4
BIO3348/3348L	Cell Biology	5
BIO4355	Developmental Biology	4
BIO4841/CHE4841	Research/Chemistry Research	1–4
Au Sable Institute* courses		4–8
Additional BIO-prefix courses numbered 2116 or higher		
MAT-prefix courses numbered 2055 or higher		

Students are strongly encouraged to take additional BIO, MAT, PHY or CHE courses to count towards the general elective requirements and gain experience through research or internship opportunities.

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SEE PAGE 50 FOR EXPLANATION AND PREREQUISITES.

* SEE RELATED INFORMATION ON PAGES 20, 37–38

Pre-Medical/Pre-Professional Biology Track (56–58 cr)

- **Theological Philosophy** course in core curriculum: PHI2016.
- **Scientific & Quantitative Literacy** courses in core curriculum: natural science course CHE1021/1021L*; mathematics course MAT2055 or higher.
- **For all natural science courses**, must receive a C- or better in all prerequisite courses. In addition, biology majors and minors must have a cumulative grade point average of at least 2.0 in all courses with BIO, CHE, and PHY prefixes in order to graduate.

Biology Core **19 cr**

BIO1011/1011L	Principles of Biology I*	4
BIO1012	Principles of Biology II	4
BIO2113/2113L	Principles of Biology III	4
BIO4835	Senior Seminar [OCE, WCE]	2
CHE3101/3101L	Organic Chemistry I*	5

Required Courses **27 cr**

BIO3231/3231L	Biochemistry I*	5
BIO3246/3246L	Genetics	5
CHE1022/1022L	Principles of Chemistry II*	4
CHE3102/3102L	Organic Chemistry II*	5
PHY1101/1101L	Fundamentals of Physics I* or	
PHY1201/1201L	Engineering Physics I*	4
PHY1102/1102L	Fundamentals of Physics II* or	
PHY1202/1202L	Engineering Physics II*	4

Selectives **10–12 cr**

BIO1025	Medical Terminology	2
BIO2116/2116L	Animal Biology	4
BIO3145/3145L	Microbiology	4
BIO3157/3157L	Human Anatomy*	4
BIO3158/3158L	Human Physiology*	4

BIO3159	Pathophysiology	4
BIO3236	Immunology	4
BIO3347	Cell Physiology	4
BIO3348/3348L	Cell Biology	5
BIO4355	Developmental Biology	4
BIO4841/CHE4841	Research*/Chemistry Research*	1–4
BIO4995	Biology Internship	1–4
Au Sable Institute** courses		4

Students are strongly recommended to have a GPA of 3.5 or higher in order to be competitive for professional programs. Students are strongly encouraged to take additional BIO courses and PSY1005, 2108, and SOC1035 to count towards the 16 credits in the enhanced curriculum (free electives) needed for the total of 125 credits for the degree program. Courses should be selected based in part on material covered in entrance exams and requirements for the student's desired professional program. Additionally, students should gain experience through research or internship opportunities.

WCE = WRITTEN COMMUNICATION EMPHASIS
OCE = ORAL COMMUNICATION EMPHASIS.
SEE PAGE 50 FOR EXPLANATION AND PREREQUISITES.

* COURSES TYPICALLY NEEDED FOR THE MCAT OR MEDICAL SCHOOL RÉSUMÉ
** SEE RELATED INFORMATION ON PAGES 20, 37–38

Biology Minor 16 cr

Required Courses: BIO1011/1011L, BIO1012; BIO2113/2113L; 4 credits selected from courses with BIO prefix numbered 3000 or higher.

Chemistry Minor 17–18 cr

Required Courses: CHE1021/1021L, 1022/1022L, 3101/3101L; one course selected from CHE3102/3102L, 3321, BIO3231/3231L, 3232.

Environmental Science Minor 16 cr

Required Courses: BIO2113/2113L, 3175/3175L, SCI1010/1010L; 4 credits selected from 2116/2116L, 3276/3276L, 3277/3277L, approved topics courses, or department chair-approved courses from Au Sable Institute.*

*SEE RELATED INFORMATION ON PAGES 20, 37–38

Science Minor 16 cr

Required Courses: 16 credits in courses with BIO, CHE, or PHY prefixes (must include courses from at least two disciplines)

Science and Theology Minor 20 cr

Required Courses:

- Two courses (8 credits) with BIO, CHE, PHY, or SCI prefix
- 8 credits selected from BIA/BIB prefix (2–4 credits); BIO4841 (2–4 cr); BIO4995 (2–4 credits); PHI3035; PHI3805 (Topics); SCI1008/1008L; one additional BIO-, CHE-, PHY-, or SCI-prefix course (4 credits)
- SCI3037

BIOLOGY & BIOCHEMISTRY

Health Sciences Major Bachelor of Science

The Health Sciences major is primarily intended for students who intend to pursue the Masters in Nursing, Masters in Physician Assistant, Doctor of Physical Therapy, Masters in Nutrition, Masters in Public Health, etc. The degree is granted upon completion of credits specified on pages 48–49 (40 credits must be successfully completed in 3000- or 4000-level courses).

- **Theological Philosophy** course in core curriculum: PHI2016
- **Scientific & Quantitative Literacy** courses in core curriculum: natural science course BIO1011/1011L; mathematics course MAT2055.
- **Health Sciences majors** must receive a C- or better in all prerequisite courses. In addition, Health Sciences majors must have a cumulative grade point average of at least 2.0 in all courses with BIO, CHE, HPE, and HSC prefixes in order to graduate.

Required Courses **46–47 cr**

BIO1025	Medical Terminology	..... 2	HSC4995	Health Sciences Internship	..... 2
BIO3145/3145L	Microbiology	..... 4	PSY1005	Introduction to Psychology	..... 4
BIO3157/3157L	Human Anatomy	..... 4	PSY2108	Lifespan Psychology	..... 4
BIO3158/3158L	Human Physiology	..... 4	BIO-prefix course numbered 1012 or above	..... 4	
BIO3159	Pathophysiology	..... 4			
CHE1021/1021L	Principles of Chemistry I	..... 4			
CHE1022/1022L	Principles of Chemistry II	or			
CHE3101/3101L	Organic Chemistry I	..... 4–5			
HPE3006	Human Nutrition	..... 4			
HSC4835	Senior Seminar for the Health Sciences	[OCE, WCE] . . . 2			

Work experience as a Certified Nursing Assistant is highly recommended.

WCE = WRITTEN COMMUNICATION EMPHASIS
OCE = ORAL COMMUNICATION EMPHASIS.
SEE PAGE 50 FOR EXPLANATION AND PREREQUISITES.

Health Sciences Minor **24 cr**

Required Course: BIO1011/1011L; select 20 credits from the following: BIO-, CHE-, HPE-, KIN-, PHY-, PSY-, or SOC-prefix courses, or other courses approved by the Dean of the College of Behavioral & Natural Sciences. BIO1009/1009L may not be counted in the minor.

Beta Beta Beta Biological Society

This prestigious National Biology Honors Society exists to provide educational and service opportunities to biology students. Membership is based upon sophomore class standing and earned GPA. Members plan and participate in society-sponsored activities such as guest speakers, career round-table discussions, field trips, research presentations, community service, and social gatherings.

Department of COMPUTING, ANALYTICS, & MATHEMATICS

Mission Statement

The mission of the Department of Computing, Analytics, & Mathematics is to provide theoretical and applied understanding of computer systems and mathematical principles. The department offers degrees in Computer Science, Data Analytics, Cybersecurity & Information Systems, and Applied Mathematics.

Computer systems and mathematics have an increasing influence on the global exchange of information. Computer systems are increasingly applied to data communication, developing mobile applications, storing information, and providing information security. Mathematics is increasingly applied to organizing information about, modeling, and understanding the physical world. Mathematics also provides the language and techniques for developing computer systems.

All courses within these majors are presented in the context of a biblical worldview, which guides the use of computer systems and mathematical techniques. Courses are taught with updated and industry-recognized software, programming languages, and data analysis tools. Students are equipped to succeed in related courses, to use mathematics to solve practical problems, to integrate new computer systems, and to prepare for future work in industry, business, government, or graduate school.

NOTE: WHEN A STUDENT RECEIVES A "U" GRADE FOR THE LAB PORTION OF A SCIENCE COURSE, HE/SHE RECEIVES CREDIT FOR THE COURSE, BUT THE COURSE DOES NOT COUNT FOR LABORATORY SCIENCE CREDIT IN CORE CURRICULUM.

Applied Mathematics Major Bachelor of Science

The Applied Mathematics major is designed to meet the increasing need for mathematicians in areas of science and technology; to prepare students to be quantitative problem solvers in areas of business, finance, technology, and science; and to prepare students for graduate studies in applied mathematics. The degree is granted upon completion of credits specified on pages 48–49 (40 credits must be successfully completed in 3000- or 4000-level courses).

- **Scientific & Quantitative Literacy** mathematics course in core curriculum: MAT2121.

Required Courses 49 cr

BUS3835	Professional Skills Seminar	2	MAT4845	Senior Project [OCE, WCE]	2
EGR2206	MATLAB	2	MAT4995	Mathematics Internship	1
EGR4339	Numerical Analysis	4	Select one of the following:		
MAT2122	Calculus and Analytic Geometry II	4	MAT2055	Statistics	4
MAT2221	Foundations of Mathematics I	2	MAT3252	Calculus-based Statistics	4
MAT2222	Foundations of Mathematics II	2	Select one of the following:		
MAT3211	Linear and Abstract Algebra	4	MAT4337	Mathematical Models and Applications	4
MAT3223	Calculus and Analytic Geometry III	4	DAL-prefix course 3000-level or higher 4		
MAT3225	Discrete Mathematics	2	WCE = WRITTEN COMMUNICATION EMPHASIS.		
MAT3245	Geometry	4	OCE = ORAL COMMUNICATION EMPHASIS.		
MAT3257	Statistics for Data Analysis	4	SEE PAGE 48 FOR EXPLANATION AND PREREQUISITES.		
MAT3335	Differential Equations with Applied Linear Algebra	4			

Applied Mathematics Minor 18 cr

The applied mathematics minor is designed to add quantitative problem solving and rigor to other related majors, especially those in fields of business, finance, technology, and science.

Required Courses: MAT2121, 2122, 2221, 3225; six MAT-prefix credits 3000-level or above.

COMPUTING, ANALYTICS, & MATHEMATICS

Computer Science Major Bachelor of Science

The Computer Science major is a four-year program designed to give students the knowledge to develop and use computer algorithms and computer-based systems. In addition, students will learn computing and mathematical principles that are used in the analysis and design of such systems. Students are provided with the fundamentals of the mathematics of computers, computer programming, operating systems, database management, and computer security, all of which provide a firm foundation upon which to apply and research new technologies. The program includes training in four broad areas:

- **Technical skills in programming and application development**
- **Applied mathematical skills for computations and simulations**
- **High-level design and analysis skills**
- **Application with databases, computer security, and communications**

Students completing this program are prepared to function effectively in a variety of careers as software developers, information technology consultants, information technology analysts, database administrators, and systems analysts. Students are also prepared for rigorous graduate programs in the computing sciences. The degree is granted upon completion of credits specified on pages 48–49 (40 credits must be successfully completed in 3000- or 4000-level courses).

- **Scientific & Quantitative Literacy** mathematics course in core curriculum: C- or better in MAT2055.
- **Students must receive** a grade of C- or better in all COS, CYS, and MIS required courses. Courses with grades below C- must be repeated.

Core Requirements	12 cr	COS4855	Senior Capstone [OCE, WCE]	.....	2		
COS1011	Principles of Computing I	.....	2	COS4995	Computer Science Internship	.....	1
COS2005	Python Programming	.....	4	CYS2081	Data Communications I	.....	4
COS2112	Principles of Computing II	.....	2	CYS2269	Computer Security Fundamentals	.....	4
MIS2062	Database Management I	.....	4	CYS3065	Systems Analysis and Design	.....	4
				CYS3265	Tools and Techniques in Computer Science and Cybersecurity	.....	4
Computer Science Requirements	37 cr	MAT3225	Discrete Mathematics	.....	2		
COS3001	C Programming Language	.....	2	MAT3226	Applications of Digital Logic	.....	2
COS3267	Operating Systems Concepts	.....	4				
COS3271	Programming I – Java	.....	4				
COS3272	Programming II – Mobile Application Development	.....	4				

WCE = WRITTEN COMMUNICATION EMPHASIS
 OCE = ORAL COMMUNICATION EMPHASIS
 SEE PAGE 48 FOR EXPLANATION AND PREREQUISITES

Computer Science Minor 16 cr

The computer science minor is designed to introduce students to applications of computer-based systems, the development of computer algorithms, and writing code in various computer languages.

Required Courses: COS2005, 3271, 3272; select 4 credits from COS courses numbered 2000 or higher.

Associate of Science: Computer Science. 61–63 cr

The Associate of Science in Computer Science is a two-year program designed to give students the knowledge to develop and use computer algorithms and computer software. In addition, students will learn computing and mathematical principles that are used in the design of such systems. Students are provided with the fundamentals of the mathematics of computers and computer programming. Students completing this program are prepared to function effectively as software developers and information technology consultants. The degree is granted upon completion of 61 credits as specified here.

- **Scientific & Quantitative Literacy** mathematics course in core curriculum must be either MAT2055 or MAT2121.

Core Curriculum 35–37

Biblical Thinking & Living 8 cr
 BIA1007 Christian Thinking & Living (or BIB1826 honors) . . . 2
 BIA1015 Interpreting Scripture (or BIA1827 honors) or
 MIN2016 Biblical Interpretation for Study 2
 Theological Philosophy (select from list on page 43) 4

Effective Communication 7–8 cr
 ENG1105 Composition (or ENG1825 Honors) and, if required,
 ENG1105L English Composition Lab or
 LAN1105L English Composition Lab 4–5
 SPE1075 Public Speaking (or SPE1825 Honors) 3

Critical Thinking & Information Literacy 2 cr
 ENG2205 Critical Thinking & Writing (or ENG2825 honors) . . . 2

Cultural & Global Engagement 6–7 cr
 HIS1005 Historical Perspectives on Culture, Belief, & Civilization
 (or HIS1825 Honors or HIS1826 Honors) and, if required,
 HIS1005L Historical Perspectives Lab 4–5
 Approved Cultural & Global Engagement course or Modern
 World Language course (select from list on page 43) 2

Creative Expression 4 cr
 Art, Music, Theater, Film, Literature (select from list on page 43)
 A MAXIMUM OF 2 CREDITS IN MUSIC ENSEMBLES OR THE1045 MAY APPLY

Scientific & Quantitative Literacy 8 cr
 Mathematics, Natural Science, Social Science (select from list on
 page 43)
 MUST INCLUDE AT LEAST ONE MATHEMATICS AND ONE NATURAL SCIENCE COURSE

Specialization in Computer Science. 26 cr

Required Courses 22 cr
 COS1011 Principles of Computing I 2
 COS2005 Python Programming. 4
 COS2112 Principles of Computing II 2
 COS3271 Programming I – Java 4
 CYS2081 Data Communications I or
 CYS2269 Computer Security Fundamentals. 4
 CYS3065 Systems Analysis and Design 4
 MAT3226 Applications of Digital Logic 2

Selectives 4
 Select from COS- or CYS-prefix courses.

Cybersecurity & Information Systems Major Bachelor of Science

The Cybersecurity & Information Systems major is designed to give students a strong academic experience in Cybersecurity while at the same time offering a career path in information systems. Cybersecurity permeates virtually all parts of technology today, providing information security, monitoring computer networks, and preventing and/or mitigating cyber threats. Cybersecurity professionals prescribe and use policies, procedures, and technology to address natural events, hackers, cyber terrorists, and technical problems that could compromise the confidentiality, integrity, or accessibility of systems and data. Students also receive valuable education in information systems leading to careers as software developers, systems analysts, and computer network administrators. The degree is granted upon completion of credits specified on pages 48–49 (40 credits must be successfully completed in 3000- or 4000-level courses).

- **Scientific & Quantitative Literacy** mathematics course in core curriculum: C- or better in MAT2055.
- **Students must receive** a grade of C- or better in all COS, CYS, and MIS required courses. Courses with grades below C- must be repeated.

Core Requirements 12 cr
 COS1011 Principles of Computing I 2
 COS2005 Python Programming. 4
 COS2112 Principles of Computing II 2
 MIS2062 Database Management I 4

Cybersecurity & Information Systems Requirements 39 cr
 COS3267 Operating Systems Concepts 4
 CYS2081 Data Communications I 4
 CYS2269 Computer Security Fundamentals. 4
 CYS3065 Systems Analysis and Design 4
 CYS3265 Tools and Techniques in Computer Science
 and Cybersecurity. 4
 CYS4245 Cybersecurity: Current Practices and Trends 4
 CYS4369 Introduction to Cryptography 2
 CYS4465 Computer Firewalls and Penetration Testing 2
 CYS4466 Digital Forensics. 2
 CYS4855 Senior Capstone [OCE, WCE]. 2
 CYS4995 Cybersecurity & Information Systems Internship . . 1
 MAT3226 Applications of Digital Logic 2
 MIS3185 Server Administration 4

WCE = WRITTEN COMMUNICATION EMPHASIS.
 OCE = ORAL COMMUNICATION EMPHASIS.
 SEE PAGE 48 FOR EXPLANATION AND PREREQUISITES.

COMPUTING, ANALYTICS, & MATHEMATICS

Cybersecurity Minor 18 cr

The cybersecurity minor is designed to add awareness of cyber security threats as well as tools and techniques for providing a solid defense against attacks for those in fields such as computer science, accounting, business, and criminal justice.

Required Courses: CYS2081, 2269, 4369, 4465, 4466; MIS3185.

Data Analytics Major Bachelor of Science

The Data Analytics major is a four-year program designed to give students the skills needed to manage and analyze large datasets to solve critical business problems. DA students are provided with the fundamentals of data analysis, data management, data storage, programming, and predictive analytics. The program provides students with training in techniques and software for researching and analyzing large data sets (big data) to further the understanding of organization and industry data and forecast business opportunity and strategy success rates. The program is designed to provide students with either immediate employment upon graduation or sufficient preparation for a master's-level program in data analytics or data science. The degree is granted upon completion of credits specified on pages 48–49 (40 credits must be successfully completed in 3000- or 4000-level courses).

- **Scientific & Quantitative Literacy** mathematics course in core curriculum: C- or better in MAT2055.

Core Requirements 12 cr

COS1011	Principles of Computing I	2
COS2005	Python Programming.	4
COS2112	Principles of Computing II.	2
MIS2062	Database Management I	4

Data Analytics Requirements 37 cr

BUS2011	Introduction to Business Analysis.	2
DAL2012	Introduction to Data Analysis.	2
DAL2235	Principles of Data Analytics.	4
DAL3025	Data Visualization.	2
DAL3255	Data Mining.	4
DAL4235	Big Data Analytics and Applications.	4
DAL4275	Business and Economic Forecasting.	4
DAL4855	Senior Capstone [OCE, WCE]	2
DAL4995	Data Analytics Internship	1
MAT3257	Statistics for Data Analysis	4

Select 8 credits from the following:
 Courses not counted elsewhere with ACC, BUS, COS, DAL, ECO, FIN, MGT, MIS, or MKT prefixes or MAT course at 2000 level or above.

WCE = WRITTEN COMMUNICATION EMPHASIS
 OCE = ORAL COMMUNICATION EMPHASIS.
 SEE PAGE 48 FOR EXPLANATION AND PREREQUISITES.

Data Analytics Minor 16–18 cr

Required Courses: BUS 2011 or DAL2012; DAL 2235, MAT2055; select 6–8 credits from DAL courses numbered 3000 or higher.

Mathematics Education Major Bachelor of Science

Full details are given under School of Education programs. See pages 107–111 and 118.

Department of ENGINEERING

Mission Statement

The engineering program prepares graduates to be engineering leaders who are able to coordinate multidisciplinary teams to research, design, and implement solutions with consideration of standard procedures, ethical practices, contemporary technologies, and the impact on creation for God-honoring service to the profession, community, and world.

Engineering Major Bachelor of Science

Students in the Engineering major learn to apply fundamental knowledge of mathematics, science, and engineering to the creative development of solutions to complex technical problems. The core curriculum provides students with an understanding of ideas that have shaped human thinking in engineering and the humanities, arts, and sciences. This broad perspective gives students the context to comprehend the intentions of God's plan for human activity and realize the environmental, economic, ethical, sustainable, social, and safety impact of their engineering designs on creation and mankind. Graduates are well prepared to pursue employment in industry and to pursue graduate studies in engineering and related fields. The degree is granted upon completion of credits specified on pages 48–49 (40 credits must be successfully completed in 3000- or 4000-level courses).

The Bachelor of Science in Engineering program is accredited by the Engineering Accreditation Commission of ABET (<https://www.abet.org>).

- **Scientific & Quantitative Literacy** courses in core curriculum: mathematics course MAT2122; natural science course PHY1201/1201L.
- Engineering students must have a laptop computer capable of running applications in Windows (see department-specific recommendations at myUNW and viewing the Information Technology Services page).

Engineering Core 50 cr

CHE1021/1021L	Principles of Chemistry I	4
MAT2121	Calculus and Analytic Geometry I	4
MAT2122	Calculus and Analytic Geometry II (SEE SCIENTIFIC & QUANTITATIVE LITERACY REQUIREMENT ABOVE)	4
MAT3223	Calculus and Analytic Geometry III	4
MAT3252	Calculus-based Statistics	4
MAT3335	Differential Equations with Applied Linear Algebra	4
PHY1202/1202L	Engineering Physics I (SEE SCIENTIFIC & QUANTITATIVE LITERACY REQUIREMENT ABOVE)	4
PHY1202/1202L	Engineering Physics II	4
EGR1005	Introduction to Engineering	4
EGR2105	Statics and Dynamics	4
EGR2206	MATLAB	2
EGR2207	Thermodynamics	4
EGR3115	Materials Science	4
EGR4311	Engineering Design I [WCE]	4
EGR4312	Engineering Design II [OCE]	4

Concentration 34 cr

Select a concentration. Requirements are listed below.

Civil Engineering Concentration (34 cr)

EGR2145	Surveying Fundamentals	2
EGR2205	Mechanics of Materials	4
EGR3225	Fluid Mechanics	4
EGR3245	Structural Analysis	4
EGR3246	Materials Laboratory for Civil Engineering	2
EGR3347	Geotechnical Engineering	4
EGR3348	Soils Testing Laboratory	2
SCI1010/1010L	Environmental Science	4

Technical Electives 8

Select from EGR-prefix courses at the 3000 or 4000 level.

Students may not receive credit toward the major for both EGR3246 and EGR3326. A maximum combined 4 credits allowed from EGR4841 and EGR4995.

Electrical Engineering Concentration (34 cr)

COS3001	C Programming	2
EGR2107	Introduction to Electronics and Electrical Circuits	3
EGR2108	Electronics and Electrical Circuits Laboratory	1
EGR3215	Control Systems	4
EGR3235	Electronic Devices	4
EGR3236	Digital Electronics Laboratory	2
EGR3335	Microcontrollers	2
EGR3337	Signals & Systems	4
EGR3338	Communication Systems Laboratory	2
MAT3226	Applications in Digital Logic	2

Technical Electives 8

Select from EGR-prefix courses at the 3000 or 4000 level. Students may not receive credit toward the major for both EGR3246 and EGR3326. A maximum combined 4 credits allowed from EGR4841 and EGR4995.

ENGINEERING**Mechanical Engineering Concentration (34 cr)**

EGR2107	Introduction to Electronics and Electrical Circuits	.3
EGR2108	Electronics and Electrical Circuits Laboratory	. . . .1
EGR2125/2125L	Design and Manufacturing Laboratory	. . . .2
EGR2205	Mechanics of Materials	. . . . .4
EGR3215	Control Systems	. . . . .4
EGR3225	Fluid Mechanics	. . . . .4
EGR3326	Materials Laboratory for Mechanical Engineering	. .2
EGR3327	Heat and Mass Transfer	. . . . .4
EGR3328	Thermal-Fluids Laboratory	. . . . .2

Technical Electives8

Select from EGR-prefix courses at the 3000 or 4000 level or EGR4339. Students may not receive credit toward the major for both EGR3246 and EGR3326. A maximum combined 4 credits allowed from EGR4841 and EGR4995.

General Engineering Concentration (34 cr)

EGR2107	Introduction to Electronics and Electrical Circuits	.3
EGR2108	Electronics and Electrical Circuits Laboratory	. . . .1
EGR2205	Mechanics of Materials	. . . . .4
EGR3215	Control Systems	. . . . .4

Select one of the following:

COS3001	C Programming	. . . . .2
EGR2125/2125L	Design and Manufacturing Laboratory	. . . .2
EGR2145	Surveying Fundamentals	. . . . .2

Technical Electives20

Select from EGR-prefix courses at the 3000 or 4000 level or EGR4339. Students may not receive credit toward the major for both EGR3246 and EGR3326. A maximum combined 4 credits allowed from EGR4841 and EGR4995.

Department of INTERDISCIPLINARY STUDIES

Mission Statement

The purpose of the Department of Interdisciplinary Studies is to provide a quality, comprehensive academic experience for students with academic aspirations not served by any other academic department major at University of Northwestern – St. Paul. The students in this department are motivated to pursue a creative degree plan that prepares them to achieve their academic and career goals and equips them to integrate their Christian faith in learning and career.

Interdisciplinary Studies Major Bachelor of Arts or Bachelor of Science

The Interdisciplinary Studies student, in consultation with faculty advisors, designs a coherent program of study that meets specific academic goals. Students are required to complete an application process under the oversight and direction of the Chair of the Department of Interdisciplinary Studies. Proposed curricula and outcomes will be approved by a faculty advisory committee consisting of the Chair, and a faculty member from each of two primary disciplines. Ongoing academic advising, recommendations, and support are provided by the advisory committee. The program is open to self-motivated students who have identified clear academic and career goals and have met the minimum GPA requirement of 3.0 or have provided other compelling documentation. See the Chair of the Department of Interdisciplinary Studies for further information.

- **B.A. option** requires achieving 1002-level competency in an approved foreign language. See page 47.

Degree Requirements

1. The program will include at least 125 semester credits, with a minimum of 40 upper-level credits.
2. The student must meet all core curriculum and graduation requirements.
3. The major will consist of at least 48 credits in at least two academic areas with no more than 30 credits in one area.
4. At least 50% of the major must be completed from University of Northwestern.
5. The student must register for IDS4845 Capstone Project (4 credits) and complete an integrated capstone project. This course is the OCE course.
6. The student must register for IDS3865 Professional Competency Assessment (1 credit) and compile a professional e-portfolio which documents their attainment of degree learning outcomes and highlights their scholarly achievement and professional competency. This course is the WCE course.

Examples of Programs of Study

The following list includes programs of study that Interdisciplinary Studies students have chosen to pursue.

- American & Arab Studies
- Ancient Studies
- Art & Psychology
- Art History & Practicum
- Aviation Technology & Computer Science
- Biblical Counseling
- Biblical Counseling & Intercultural Study
- Biology & Psychology
- Biology & Psychology
- Child Psychology & Family Studies
- Civic Journalism
- Communication Sciences & Disorders
- Criminal Justice & Computer Science
- Dance Entrepreneurship
- Disaster Relief & Psychological Understanding
- Domestic & Foreign Societal Structures
- Electronic Communications
- English & Human Sciences
- Entrepreneurship
- Film & Gaming Story
- Global Leadership
- Graphics Programming
- Health Sciences & Public Relations
- Healthcare Management
- Industrial Design
- Intercultural Biblical Counseling
- Intercultural Studies/Victims Advocacy
- International Leadership/Criminal Justice
- Media Writing & Production
- Media/Performing Art Production & Writing
- Natural & Behavioral Science
- Outreach & Advocacy of At-Risk Populations
- Political Communications & History
- Political Communications & Family Advocacy
- Political Science, Criminal Justice, Communication
- Psychology & Art
- Psychology & Criminal Justice
- Psychology & Special Education
- Public Relations/Communications for Nonprofit
- Reformed Philosophy & English
- Social Work/Disadvantaged Children
- Sustainable Design
- Team Sport Business & Principles
- Theater Design
- Visual Design Communications
- Visual Narrative

INTERDISCIPLINARY STUDIES

Associate of Arts in Liberal Studies 60-62 cr

The Associate of Arts in Liberal Studies is designed to prepare the graduate for transfer to an upper-level degree program at Northwestern or another institution. The degree is granted upon completion of 60 credits as specified here.

Core Curriculum 35-37

Biblical Thinking & Living 8 cr

- BIA1007 Christian Thinking & Living (or BIB1826 honors) . . 2
- BIA1015 Interpreting Scripture (or BIA1827 honors) or
MIN2016 Biblical Interpretation for Study. 2
- Theological Philosophy (select from list on page 43) 4

Effective Communication 7-8 cr

- ENG1105 Composition (or ENG1825 Honors) and, if required,
ENG1105L English Composition Lab or
LAN1105L English Composition Lab. 4-5
- SPE1075 Public Speaking (or SPE1825 Honors). 3

Critical Thinking & Information Literacy 2 cr

- ENG2205 Critical Thinking & Writing (or ENG2825 honors) . . . 2

Cultural & Global Engagement 6-7 cr

- HIS1005 Historical Perspectives on Culture, Belief, & Civilization
(or HIS1825 Honors or HIS1826 Honors) and, if required,
HIS1005L Historical Perspectives Lab. 4-5
- Approved Cultural & Global Engagement course or Modern
World Language course (select from list on page 43) 2

Creative Expression 4 cr

Art, Music, Theater, Film, Literature (select from list on page 43)
A MAXIMUM OF 2 CREDITS IN MUSIC ENSEMBLES OR THE1045 MAY APPLY

Scientific & Quantitative Literacy 8 cr

Mathematics, Natural Science, Social Science (select from list on
page 43)
MUST INCLUDE AT LEAST ONE MATHEMATICS AND ONE NATURAL SCIENCE COURSE

Concentration 15

Select a concentration. Requirements are listed below.

General Studies (15 cr)

Select a combination of any electives.

Intercultural Studies (15 cr)

- ICS2015 World Religions (4-CREDIT COURSE. 2 CREDITS APPLY TO
CULTURAL & GLOBAL ENGAGEMENT REQUIREMENT) 2
- ICS2045 Cultural Anthropology 4
- PHI2016 Ethics (APPLIES TO THEOLOGICAL PHILOSOPHY REQUIREMENT)

Select 4 credits from the following:

- ICS3015 Race and Ethnicity in America. 4
- ICS3209 Urban Community Development. 2
- ICS3067 Social Justice. 2
- SOC1035 Introduction to Sociology. 4

Select 5 credits of general electives. 5

General Electives 10

Select an additional combination of any electives. Select an
additional combination of any electives in consultation with the
academic advisor.

Department of KINESIOLOGY, SPORTS MANAGEMENT, & PHYSICAL EDUCATION

Mission Statement

The Department of Kinesiology, Sports Management, & Physical Education offers students preparation in the fields of physical education and health teaching, health and wellness, or coaching, or prepares them for further study in clinical-health-related fields. The department is committed to prepare graduates to serve and lead by the development of healthful lifestyles through exercise, movement skill acquisition, nutrition, and disease prevention.

Physical Education / Physical Education & Health Bachelor of Science

Full details are given under School of Education programs. See pages 107–111 and 121.

Kinesiology Bachelor of Science

The Kinesiology major offers students preparation in the field of health and wellness or preparation for further study in clinical-health-related fields. The degree is granted upon completion of credits specified on pages 48–49 (40 credits must be successfully completed in 3000- or 4000-level courses).

NOTE: EXTRA CLASSES MAY BE RECOMMENDED BEYOND DEGREE REQUIREMENTS FOR CERTAIN SPECIFIC THERAPY FIELDS.

Kinesiology – Health and Fitness Track (37 cr)

Scientific & Quantitative Literacy natural science course in core curriculum: BIO1009/1009L or 1011/1011L.

Required Major Courses	37 cr
BIO3157/3157L Human Anatomy or	
HPE2175 Anatomy of Human Movement	4
HPE1005 Foundations of Physical Education and Health ...	2
HPE2005 First Aid and Personal Safety	1
HPE2007 Methods of Teaching Group Exercise	2
HPE3005 Personal and Community Health	2
HPE3006 Human Nutrition	4
HPE3008 Health Behavior: Theory and Program Planning ...	2
HPE3015 Adapted Fitness and Activity	2
HPE3275 Care and Prevention of Injuries	2
HPE3376 Exercise Physiology	4
HPE3377 Biomechanics	4
HPE4075 Administration of Physical Education and Sport ...	2
HPE4305 Health and Fitness Evaluation and Diagnosis ...	2
KIN3615 Kinesiology Practicum	2
KIN4835 Kinesiology Seminar [OCE, WCE]	1
PHE1019 Weight Training	1

Kinesiology – Health Management Track (48–51 cr)

Scientific & Quantitative Literacy natural science course in core curriculum: BIO1009/1009L or 1011/1011L.

Required Major Courses	30 cr
BIO3157/3157L Human Anatomy or	
HPE2175 Anatomy of Human Movement	4
HPE1005 Foundations of Physical Education and Health ...	2
HPE3005 Personal and Community Health	2
HPE3006 Human Nutrition	4
HPE3008 Health Behavior: Theory and Program Planning ...	2
HPE3015 Adapted Fitness and Activity	2
HPE3025 Health and Sport Management	4
HPE3376 Exercise Physiology	4
HPE4305 Health and Fitness Evaluation and Diagnosis ...	2
KIN3615 Kinesiology Practicum	2
KIN4835 Kinesiology Seminar [OCE, WCE]	1
PHE1065 Lifetime Fitness & Wellness	1

Selectives as a Concentration

18–21 cr
Complete the Cybersecurity minor (see Department of Computing, Analytics, & Mathematics) or one of the following School of Business minors: Accounting, Business Administration, or Marketing.

WCE = WRITTEN COMMUNICATION EMPHASIS.
OCE = ORAL COMMUNICATION EMPHASIS.
SEE PAGE 50 FOR EXPLANATION AND PREREQUISITES.

KINESIOLOGY, SPORTS MANAGEMENT, & PHYSICAL EDUCATION

Kinesiology – Pre-Therapy Track (48 cr)

Scientific & Quantitative Literacy natural science course in core curriculum: BIO1011/1011L.

Required Major Courses 32 cr

BIO3157/3157L	Human Anatomy	4
HPE1005	Foundations of Physical Education and Health . . .	2
HPE3005	Personal and Community Health	2
HPE3006	Human Nutrition	4
HPE3275	Care and Prevention of Injuries	2
HPE3376	Exercise Physiology	4
HPE3377	Biomechanics	4
HPE4305	Health and Fitness Evaluation and Diagnosis. . . .	2
KIN3305	Upper Body Evaluation	2
KIN3306	Lower Body Evaluation	2

KIN3307	Advanced Care and Prevention of Injuries	2
KIN4835	Kinesiology Seminar [OCE, WCE]	1
PHE1019	Weight Training	1

Select from the following (pre-approved by advisor) 16 cr
 Courses with BIO, CHE, MAT, PHY, and PSY prefixes.

WCE = WRITTEN COMMUNICATION EMPHASIS.
 OCE = ORAL COMMUNICATION EMPHASIS.
 SEE PAGE 50 FOR EXPLANATION AND PREREQUISITES.

Sports Management Bachelor of Science

The sports management major focuses on preparing students with leadership, business, and operations training within a sports industry context. Students develop management skills and networking capabilities and how to apply them to professional and amateur sports settings. The degree is granted upon completion of credits specified on pages 48–49 (40 credits must be successfully completed in 3000- or 4000-level courses).

Required Major Courses 32 cr

HPE1005	Foundations of Physical Education and Health . . .	2
HPE2175	Anatomy of Human Movement	4
HPE3007	Coaching Theory.	2
HPE3275	Care and Prevention of Injuries	2
KIN1005	Sport in American Society	2
KIN1065	Principles of Sports Management	2
KIN3035	Sports Marketing	4
KIN3045	Sports Ethics	2
KIN3075	Sports Leadership.	2

KIN3615	Kinesiology Practicum.	2
KIN4055	Sports Facility and Game Management	4
KIN4835	Kinesiology Seminar [OCE, WCE]	1
PHE1065	Lifetime Fitness and Wellness	1
PRL3187	Sport Public Relations	2

Selectives 18 cr
 Any courses with ACC, BUS, COM, FIN, MEP, MGT, MKT, and PRL prefixes.

Coaching Minor 17 cr

Since January 1997, school districts have had the responsibility of ensuring that coaches are qualified. The coaching minor, augmented by appropriate experience before graduation, provides a way for graduates to demonstrate formal preparation in the area of coaching.

Required Courses: HPE2005, 3007, 3275; BIO3157/3157L or HPE2175; select 8 credits from the following: HPE2015, 2016, 3005, 3006, 3025, 3376, 3377, 4075, 4305; KIN1005; PHE2075, 2085, 2086, 2087, 2088, 2089.

Pre-Athletic Training Minor 20 cr

Required Courses: BIO3157/3157L or HPE2175; 3275, 3377; KIN3305, 3306, 3307; select 4 credits from courses with the following prefixes (courses distinct from the student’s selected major): BIO, CHE, HPE, KIN, MAT, PHE, PHY.

- **BIO1011/1011L** is the prerequisite for BIO3157/3157L. Either BIO1009/1009L or BIO1011/1011L can count toward the Scientific & Quantitative Literacy natural science course in the core curriculum.

Department of PSYCHOLOGY, CRIMINAL JUSTICE, & LAW ENFORCEMENT

Mission Statement

The mission of the Department of Psychology, Criminal Justice, & Law Enforcement is to prepare students through Christ-centered curriculum for occupations or advanced study in their fields of interest.

Criminal Justice Major Bachelor of Arts or Bachelor of Science

The Criminal Justice program educates students in the fundamental concepts, knowledge, and skills of the criminal justice system with a biblical curriculum focused on service, integrity, and the development of leadership in the field. A Christ-like heart for public service and ministry is at the heart of the coursework. Students will examine the policies, principles, and social dynamics that shape the system of law and justice in the United States. This major builds on a foundation of psychology in addition to practical knowledge of law enforcement and criminal justice. This degree also lays the foundation for further graduate study in law or social work. The degree is granted upon completion of credits specified on pages 48–49 (40 credits must be successfully completed in 3000- or 4000-level courses).

- **Scientific & Quantitative Literacy** courses in core curriculum: mathematics course PSY3208; social science course SOC1035.
- **B.A. option** requires achieving 1002-level competency in an approved foreign language. See page 47.

Track 1: General Criminal Justice

Required Courses	35 cr
CRJ2125 Criminology	4
CRJ3225 Criminal Justice	4
CRJ3226 Corrections	4
CRJ3228 Deviance [OCE, WCE]	4
CRJ4325 Juvenile Delinquency	2
CRJ4327 Criminal Law	4
CRJ4335 Police and Community	2
CRJ4995 Criminal Justice Internship	3
PSY2108 Lifespan Psychology	4
PSY3207 Abnormal Psychology	4

Select from the following :	12 cr
CRJ4425 Juvenile Procedures	2
CRJ4995 Criminal Justice Internship (ADDITIONAL)	2–4
ICS3015 Race and Ethnicity in America	4
PSY1005 Introduction to Psychology	4
PSY3308 Principles of Counseling	4
PSY3317 Treatment of Special Populations	4
PSY4316 Marriage and Family Counseling	4
SOC2035 Social Problems	4

Track 2: Law Enforcement

Required Courses	51 cr
CRJ2125 Criminology	4
CRJ3225 Criminal Justice	4
CRJ3226 Corrections	4
CRJ3228 Deviance [OCE, WCE]	4
CRJ4325 Juvenile Delinquency	2
CRJ4327 Criminal Law	4
CRJ4335 Police and Community	2
CRJ4425 Juvenile Procedures	2
CRJ4426 Minnesota Criminal and Traffic Code	4
CRJ4435 Issues in Policing	2
CRJ4995 Criminal Justice Internship	3
ICS3015 Race and Ethnicity in America	4
PSY1005 Introduction to Psychology	4
PSY3207 Abnormal Psychology	4
PSY4316 Marriage and Family Counseling	4

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SEE PAGE 50 FOR EXPLANATION AND PREREQUISITES.

Criminal Justice Minor 23 cr

Required Courses: CRJ2125, 3225, 3226, 3228, 4327, 4995 (3 credits).

PSYCHOLOGY, CRIMINAL JUSTICE, & LAW ENFORCEMENT

Psychology Major Bachelor of Arts or Bachelor of Science

The Psychology program prepares students within a Christian context by educating them in four domains: psychological knowledge, scientific methodology, ethics, and communication skills. “Great are the works of the Lord; they are studied by all who delight in them” (Psalm 111:2). Psychology is the study of God’s greatest work—humankind. The discipline of psychology seeks to understand the nature of human development, motivation, thinking, learning, and emotion. An accurate picture of man must include the study of Scriptures; therefore, the study of psychology is made complete by integrating it with biblical principles. Furthermore, the study of psychology enables students to see themselves as persons of worth and significance. The study of psychology has practical value for Christian service. As we better understand people, we are more effective in our ability to minister to them. Students may earn a concentration in Forensic Psychology or Marriage & Family Counseling. Research and internship experiences help provide added value to their education. The degree is granted upon completion of credits specified on pages 48–49 (40 credits must be successfully completed in 3000- or 4000-level courses).

- **Scientific & Quantitative Literacy** courses in core curriculum: mathematics course PSY3208; social science course, if chosen, must be selected from subjects other than psychology.
- **B.A. option** requires achieving 1002-level competency in an approved foreign language. See page 47.

Required Courses .....	.28 cr
PSY1005 Introduction to Psychology	4
PSY2108 Lifespan Psychology	4
PSY3135 Positive Psychology	4
PSY3207 Abnormal Psychology	4
PSY3305 Research Methods in Psychology	4
PSY3308 Principles of Counseling	4
PSY4835 Senior Seminar in Psychology [OCE, WCE]	4

Concentration	16 cr
Select a concentration. Requirements are listed below.	

Forensic Psychology Concentration (16 cr)	
CRJ3225 Criminal Justice	4
CRJ4327 Criminal Law	4
PSY4305 Measurement and Assessment	4
Select 4 credits from the following:	
CRJ3228 Deviance	4
CRJ4325 Juvenile Delinquency	2
CRJ4425 Juvenile Procedures	2
CRJ4995 Criminal Justice Internship	2–4

Health Psychology Concentration (16 cr)*	
PSY4025 Foundations of Health Psychology	4
PSY4026 Stress Management Strategies	4
PSY4027 Pain Management Strategies	4
PSY4425 Clinical Health Psychology	4

*For information about the Health Psychology courses, contact the Adult Undergraduate Office (CGOAL). Tuition for the Health Psychology courses is not included in the traditional undergraduate tuition block.

Marriage and Family Concentration (16 cr)	
PSY4316 Marriage and Family Counseling	4
PSY4318 Marriage and Family Dynamics	4
PSY4365 Family Communication and Relationships	4
PSY4367 Intervention Strategies with Families	4

Psychology Selectives Concentration (16 cr)	
Any PSY-prefix courses.	

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Psychology Minor	20 cr
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Required Courses: PSY1005, 2108, 3207, 3308; 4 additional credits selected from courses with PSY prefix.

Social Studies Education Major Bachelor of Science

Full details are given under School of Education programs. See pages 107–111 and 122.

College of **PROFESSIONAL STUDIES**

School of **Business**..... PAGE 100

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BUSINESS

School of **BUSINESS**

Mission Statement

The School of Business is committed to graduating Christian students in career-ready programs and majors, who have acquired exceptional professional and technical skills and a solid biblical worldview. Our goal is for alumni to excel in their careers, becoming leaders and advancing Christ's Kingdom in the marketplace.

The School of Business is dedicated to providing a fully integrated business curriculum for our alumni to function exceptionally within their business field and prepare for graduate programs. Northwestern offers courses in all facets of business, integrating moral and ethical considerations with practical, market-relevant application. This comprehensive education, taught from a Christian perspective, allows our alumni to fulfill the scriptural demand to steward the resources and talents which the Lord has entrusted to them.

The School of Business offers the following degree programs: Bachelor of Arts or Bachelor of Science in Accounting, Business Administration, Finance, and Marketing.

Bachelor/Accelerated Graduate Business Degree Program

Undergraduate students in the School of Business may apply to take graduate-level courses to accelerate the completion of a graduate degree, saving time and money. Students approved to take these courses will register for the 5000-level version of the courses, ensuring the courses are credited toward both the undergraduate and graduate degree if enrolled in the graduate program within the designated time frame.

Eligibility: After achieving at least 45 undergraduate credits, students may apply to the accelerated program by sending a letter of interest to the Assistant Dean of the School of Business, accompanied by a resume and writing sample. The Assistant Dean will evaluate the student's letter of interest, resume, and writing sample, as well as the student's GPA and performance in all business-related coursework. To be eligible, students must have a cumulative GPA of 3.0 or above and have received a C or above in all business-related courses.

Important Note: All graduate-level courses taken as an undergraduate student must be completed with a grade of "C" or better to satisfy graduate degree requirements. Admittance to the accelerated program does not guarantee admittance to UNW's graduate program. See College of Graduate, Online, & Adult Learning catalog for graduate program admission requirements and process.

Accounting Major Bachelor of Arts or Bachelor of Science

The Accounting major is designed to prepare students for careers as corporate accountants, financial officers, internal auditors, governmental accountants, non-profit accountants, fraud examiners, or financial analysts. The analytics and reporting concentration is designed to equip students to successfully complete the CPA exam. The degree is granted upon completion of credits specified on pages 48–49 (40 credits must be successfully completed in 3000- or 4000-level courses).

Accounting Major – 150-Credit Rule

The State of Minnesota requires the completion of 150 credits to obtain CPA certification. The analytics and reporting concentration will provide students the necessary credits for this requirement. Students should speak with their advisor if they have questions about exam eligibility.

- **Scientific & Quantitative Literacy** courses in core curriculum: C- or better in social science courses ECO2201, 2211, 2212 and mathematics course MAT1035 or in approved substitutions.
- **Students must receive** a grade of C or better in all Business Core courses. Courses with grades below C must be repeated.
- **B.A. option** requires achieving 1002-level competency in an approved foreign language. See page 47.

Business Core29 cr

ACC2101	Principles of Financial Accounting	4
ACC2102	Principles of Managerial Accounting	4
BUS1115	Introduction to Spreadsheets	2
BUS2011	Introduction to Business Analysis	2
BUS3331	Business Law - Contract and Agency	3
BUS3835	Professional Skills Seminar	2
BUS4435	Business Ethics [OCE, WCE]	4
ECO2211	Introduction to Economics (SEE SCIENTIFIC & QUANTITATIVE LITERACY REQUIREMENT ABOVE)	
ECO2212	Principles of Macroeconomics (SEE SCIENTIFIC & QUANTITATIVE LITERACY REQUIREMENT ABOVE)	
MGT2271	Management	4
MKT1085	Principles of Marketing	4

Accounting Requirements29 cr

ACC3201	Intermediate Accounting I	4
ACC3202	Intermediate Accounting II	4
ACC3206	Cost Accounting	4
ACC4305	Auditing	4
ACC4306	Individual Income Taxation	4
ACC4307	Advanced Accounting	4
ACC4995	Accounting Internship*	1
FIN3222	Finance II	2
MGT3255	Human Resource Management	2

Concentration 10 or 35 cr

Select a concentration. Requirements are listed below.

Business Accounting (10 cr)

ACC3235	Accounting Information Systems	4
ACC4205	Corporate and Partnership Income Taxation or	
ACC4308	Governmental and Non-Profit Accounting	2
Select from upper-level courses with ACC, BUS, DAL, FIN, HCM, MGT, or MKT prefix		
		4

Analytics & Reporting (35 cr)

ACC3235	Accounting Information Systems	4
ACC4205	Corporate and Partnership Income Taxation	2
ACC4308	Governmental and Non-Profit Accounting	2
DAL2235	Principles of Data Analytics	4
DAL3025	Data Visualization	2
MAT2055	Statistics	4
Select from upper-level courses with ACC, BUS, DAL, FIN, HCM, MGT, or MKT prefix		
		8
General Electives		
		9

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SEE PAGE 50 FOR EXPLANATION AND PREREQUISITES.

* INTERNSHIP MUST BE A 240-HOUR MINIMUM, NON-UNW WORK EXPERIENCE, PAID, AND APPROVED BY ADVISOR IN ADVANCE.

Course Requirements for Accounting/Accelerated Graduate Business Degree Program

Students who are accepted into the accelerated graduate degree program can substitute the following graduate-level courses into the undergraduate degree, in place of the equivalent undergraduate courses, to fulfill major or core curriculum requirements. See advisor for questions regarding course options. Refer to the College of Graduate, Online, & Adult Learning catalog for graduate program requirements.

Undergraduate Courses

BUS4435	Business Ethics [OCE, WCE]	4
FIN3222	Finance II	2
MGT3255	Human Resource Management	2
HCM4080	Strategic Management in Healthcare	4
HCM4085	Healthcare Leadership	4
HCM4087	Healthcare Law and Ethics	2
HCM4089	Finance Systems in Healthcare	4

Graduate Courses

BUA5420U	Business Leadership Ethics [OCE, WCE].	4
BUA5720U	Managerial Finance	2
BUA5220U	Human Resource Leadership	2
HCM5080	Healthcare Policy and Management	4
HCM5085	Leadership in Healthcare	4
HCM5087	Law and Ethics in Healthcare	2
HCM5089	Healthcare Financial Systems	4

Accounting Minor 20 cr

Required Courses: ACC2101, 2102, 3201, 3202. Select 4 credits with ACC prefix.

BUSINESS

Business Administration Major Bachelor of Arts or Bachelor of Science

The Business Administration major is designed to prepare students for a variety of management careers in for-profit firms or nonprofit organizations. Graduates with Business Administration majors frequently join small companies or return to manage family businesses. This program is the most flexible of our business majors. Students follow a well-balanced program in business administration and customize business electives to pursue particular areas of interest. The degree is granted upon completion of credits specified on pages 48–49 (40 credits must be successfully completed in 3000- or 4000-level courses).

- **Scientific & Quantitative Literacy** courses in core curriculum: C- or better in social science courses ECO2201, 2211, 2212 and mathematics course MAT1035 or in approved substitutions.
- **Students must receive** a grade of C or better in all Business Core courses. Courses with grades below C must be repeated.
- **B.A. option** requires achieving 1002-level competency in an approved foreign language. See page 47.

Business Core29 cr

ACC2101	Principles of Financial Accounting	4
ACC2102	Principles of Managerial Accounting	4
BUS1115	Introduction to Spreadsheets	2
BUS2011	Introduction to Business Analysis	2
BUS3331	Business Law - Contract and Agency	3
BUS3835	Professional Skills Seminar	2
BUS4435	Business Ethics [OCE, WCE]	4
ECO2211	Introduction to Economics (SEE SCIENTIFIC & QUANTITATIVE LITERACY REQUIREMENT ABOVE)	4
ECO2212	Principles of Macroeconomics (SEE SCIENTIFIC & QUANTITATIVE LITERACY REQUIREMENT ABOVE)	4
MGT2271	Management	4
MKT1085	Principles of Marketing	4

Business Requirements15 cr

BUS3235	Global Business	4
BUS4995	Business Administration Internship*	1
FIN2221	Finance I	2
FIN3222	Finance II	2
MGT3276	Operations Management	2
MGT4855	Corporate Strategies and Policies	4

Business Electives4–8 cr

Select from upper-level courses with ACC, BUS, COM, DAL, FIN, HCM, MGT, MIS, MKT prefix or ECO2213 or ICS3069.

Concentration 8–14 cr

Select a concentration. Requirements are listed below.

Analytics (12 cr)

DAL2235	Principles of Data Analytics	4
MAT2055	Statistics	4
Select one of the following:		
DAL4235	Big Data Analytics and Applications	4
DAL4275	Business and Economic Forecasting	4

Construction/Property Management (10 cr)

ACC3206	Cost Accounting	4
MGT3275	Small Business Management	2
MGT3376	Supply Chain Management	2
MGT4267	Project Management	2

Digital Branding Strategies (10 cr)

MGT4267	Project Management	2
MKT3165	Digital Marketing	4
MKT3188	Advertising and Promotion	4

Entrepreneurship/Family Business (8 cr)

BUS4332	Business Law – Partnerships & Corporations	2
MGT3075	Entrepreneurship	2
MGT3255	Human Resource Management	2
MGT3275	Small Business Management	2

Healthcare Management (14 cr)

HCM4080	Strategic Management in Healthcare	4
HCM4085	Healthcare Leadership	4
HCM4087	Healthcare Law and Ethics	2
HCM4089	Finance Systems in Healthcare	4

Leadership (10 cr)

BUS3005	Principles and Practices of Leadership	4
BUS4615	Practicum and Seminar in Leadership	4
MGT3255	Human Resource Management	2

Logistics/Operations (8 cr)

BUS4332	Business Law – Partnerships & Corporations	2
MGT3275	Small Business Management	2
MGT3376	Supply Chain Management	2
MGT4267	Project Management	2

Nonprofit Leadership (10 cr)

ICS3069	Business as Mission	2
LDR3060	Foundations of Nonprofit Leadership	2
MGT3255/BUA5220U	Human Resource Management/Human Resource Leadership	2
Select from upper-level courses with ACC, BUS, FIN, HCM, ICS, LDR, MGT, or MKT prefix		

QSR/Hospitality (10 cr)

MGT3075	Entrepreneurship	2
MGT3255	Human Resource Management	2
MGT3275	Small Business Management	2
MGT3376	Supply Chain Management	2
MGT4267	Project Management	2

Sports Management (8 cr)

KIN1065	Principles of Sports Management	2
KIN3035	Sports Marketing	4
PRL3187	Sport Public Relations	2

Strategic Management (10 cr)

FIN3226	Money and Banking	4
MGT3255	Human Resource Management	2
MGT3275	Small Business Management	2
MGT4267	Project Management	2

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SEE PAGE 50 FOR EXPLANATION AND PREREQUISITES.

*INTERNSHIP MUST BE A 240-HOUR MINIMUM, NON-UNW WORK EXPERIENCE, PAID, AND APPROVED BY ADVISOR IN ADVANCE.

Course Requirements for Business Administration/Accelerated Graduate Business Degree Program

Students who are accepted into the accelerated graduate degree program can substitute the following graduate-level courses into the undergraduate degree, in place of the equivalent undergraduate courses, to fulfill major or core curriculum options. Refer to the College of Graduate, Online, & Adult Learning catalog for graduate program requirements.

Undergraduate Courses

BUS4435	Business Ethics [OCE, WCE]	4
FIN3222	Finance II	2
MGT3255	Human Resource Management	2
HCM4080	Strategic Management in Healthcare	4
HCM4085	Healthcare Leadership	4
HCM4087	Healthcare Law and Ethics	2
HCM4089	Finance Systems in Healthcare	4

Graduate Courses

BUA5420U	Business Leadership Ethics [OCE, WCE]	4
BUA5720U	Managerial Finance	2
BUA5220U	Human Resource Leadership	2
HCM5080	Healthcare Policy and Management	4
HCM5085	Leadership in Healthcare	4
HCM5087	Law and Ethics in Healthcare	2
HCM5089	Healthcare Financial Systems	4

Business Administration Minor (for non-School of Business majors) 18–19 cr

Required Courses: ACC2101, 2102, MGT2271, MKT1085; select one from the following: BUS3331, ECO2211, FIN2221, MGT3255.

NOTE: THIS MINOR IS NOT AVAILABLE TO STUDENTS PURSUING ANY BUSINESS MAJOR.

Entrepreneurship Minor (for non-School of Business majors) 20 cr

Required Courses: ACC2101, MGT2271, 3075, 3255, 3275, 3276, MKT1085.

Entrepreneurship Minor (for School of Business majors) 18 cr

Required Courses: BUS3005, 4332, MGT3075, 3255, 3275, 3276, 3376, 4267.

Healthcare Management Minor 18 cr

Required Courses: HCM4080, 4085, 4087, 4089, MGT2271.

Certificate in Healthcare Management (16-20 cr)

The Healthcare Management certificate is designed to prepare students for careers in the expansive healthcare industry. Students will be equipped to be competent contributors in the healthcare industry by exploring the unique people, processes, and philosophies of healthcare settings. This learning is facilitated through practitioner-led coursework in healthcare-specific courses in management, leadership, law and ethics, and finance systems.

Required Courses

BUS3835	Professional Skills Seminar	2	LDR1015	Leadership for Transformation (or LDR1825 Honors) or	
HCM4080	Strategic Management in Healthcare	4	LDR1011	Spiritual and Personal Formation for Leadership and	
HCM4085	Healthcare Leadership	4	LDR2112	Relational and Cultural Awareness in Leadership or	
HCM4087	Healthcare Law and Ethics	2	LDR3415	The Self-Aware Leader	0–4
HCM4089	Finance Systems in Healthcare	4			

BUSINESS

Finance Major Bachelor of Arts or Bachelor of Science

The Finance major is designed to train undergraduate students to understand and utilize the concepts of business finance commonly used in today's corporate and investment communities. Examples of these are risk analysis, taxation, corporate and personal financial planning, investments, cost accounting, and financial analysis. The purpose of the program is to prepare students to perform in either personal or corporate finance. The degree is granted upon completion of credits specified on pages 48–49 (40 credits must be successfully completed in 3000- or 4000-level courses).

- **Scientific & Quantitative Literacy** courses in core curriculum: C- or better in social science courses ECO2201, 2211, 2212 and mathematics course MAT1035 or in approved substitutions.
- **Students must receive** a grade of C or better in all Business Core courses. Courses with grades below C must be repeated.
- **B.A. option** requires achieving 1002-level competency in an approved foreign language. See page 47.

Business Core 29 cr

ACC2101	Principles of Financial Accounting	4
ACC2102	Principles of Managerial Accounting	4
BUS1115	Introduction to Spreadsheets	2
BUS2011	Introduction to Business Analysis	2
BUS3331	Business Law - Contract and Agency	3
BUS3835	Professional Skills Seminar	2
BUS4435	Business Ethics [OCE, WCE]	4
ECO2211	Introduction to Economics (SEE SCIENTIFIC & QUANTITATIVE LITERACY REQUIREMENT ABOVE)	
ECO2212	Principles of Macroeconomics (SEE SCIENTIFIC & QUANTITATIVE LITERACY REQUIREMENT ABOVE)	
MGT2271	Management	4
MKT1085	Principles of Marketing	4

Finance Requirements 15 cr

FIN2221	Finance I	2
FIN3222	Finance II	2
FIN3225	Investments	4
FIN4855	Portfolio Research	2
FIN4856	Portfolio Management	2
FIN4995	Finance Internship*	1
Select one of the following:		
MGT3276	Operations Management	2
MGT4245	Business Strategy	2

Concentration 16 cr
Select a concentration. Requirements are listed below.

Corporate Finance (16 cr)

ACC3206	Cost Accounting	4
ACC4205	Corporate and Partnership Income Taxation	2
BUS4332	Business Law Partnerships and Corporations	2
FIN3226	Money and Banking	4
Select from upper-level business electives (ACC, BUS, COM, DAL, ECO, FIN, HCM, MGT, OR MKT PREFIXES OR ECO2213)		

Wealth Management (16 cr)

ACC4306	Individual Income Taxation	4
FIN2025	Personal Money Management	2
FIN3227	Trusts, Wills and Estates	2
FIN4325	Wealth Management	4
Select from upper-level business electives (ACC, BUS, COM, DAL, ECO, FIN, HCM, MGT, OR MKT PREFIXES OR ECO2213)		

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* INTERNSHIP MUST BE A 240-HOUR MINIMUM, NON-UNW WORK EXPERIENCE, PAID, AND APPROVED BY ADVISOR IN ADVANCE.

Course Requirements for Finance/Accelerated Graduate Business Degree Program

Students who are accepted into the accelerated graduate degree program can substitute the following graduate-level courses into the undergraduate degree, in place of the equivalent undergraduate courses, to fulfill major or core curriculum requirements. See advisor for questions regarding course options. Refer to the College of Graduate, Online, & Adult Learning catalog for graduate program requirements.

Undergraduate Courses

BUS4435	Business Ethics [OCE, WCE]	4
FIN3222	Finance II	2
MGT3255	Human Resource Management	2
HCM4080	Strategic Management in Healthcare	4
HCM4085	Healthcare Leadership	4
HCM4087	Healthcare Law and Ethics	2
HCM4089	Finance Systems in Healthcare	4

Graduate Courses

BUA5420U	Business Leadership Ethics [OCE, WCE]	4
BUA5720U	Managerial Finance	2
BUA5220U	Human Resource Leadership	2
HCM5080	Healthcare Policy and Management	4
HCM5085	Leadership in Healthcare	4
HCM5087	Law and Ethics in Healthcare	2
HCM5089	Healthcare Financial Systems	4

Finance Minor 16 cr

Required Courses: FIN2221, 3222, 3225; select 8 credits from the following: ACC3206, 4205, 4306, BUS4332, MGT3276, 4245, any course with a FIN prefix.

Marketing Major Bachelor of Arts or Bachelor of Science

The Marketing major is designed to prepare students for careers in marketing management, product or brand management, public relations, advertising, promotion, and marketing research. The degree is granted upon completion of credits specified on pages 48–49 (40 credits must be successfully completed in 3000- or 4000-level courses).

- **Scientific & Quantitative Literacy** courses in core curriculum: C- or better in social science courses ECO2201, 2211, 2212 and mathematics course MAT1035 or in approved substitutions.
- **Students must receive** a grade of C or better in all Business Core courses. Courses with grades below C must be repeated.
- **B.A. option** requires achieving 1002-level competency in an approved foreign language. See page 47.

Business Core	29 cr
ACC2101 Principles of Financial Accounting	4
ACC2102 Principles of Managerial Accounting	4
BUS1115 Introduction to Spreadsheets	2
BUS2011 Introduction to Business Analysis	2
BUS3331 Business Law - Contract and Agency	3
BUS3835 Professional Skills Seminar	2
BUS4435 Business Ethics [OCE, WCE]	4
ECO2211 Introduction to Economics (SEE SCIENTIFIC & QUANTITATIVE LITERACY REQUIREMENT ABOVE)	
ECO2212 Principles of Macroeconomics (SEE SCIENTIFIC & QUANTITATIVE LITERACY REQUIREMENT ABOVE)	
MGT2271 Management	4
MKT1085 Principles of Marketing	4

Marketing Requirements	21 cr
MKT3165 Digital Marketing	4
MKT3186 Consumer Behavior	4
MKT3188 Advertising and Promotion	4
MKT4995 Marketing Internship*	1
MGT3075 Entrepreneurship	2
MGT4267 Project Management	2
MGT4855 Corporate Strategies and Policies	4

Concentration

9–12 cr
Select a concentration. Requirements are listed below.

Analytics Concentration (12 cr)

DAL2235 Principles of Data Analytics	4
MAT2055 Statistics	4

Select one of the following:

DAL4235 Big Data Analytics and Applications	4
DAL4275 Business and Economics Forecasting	4

Communication Concentration (10 cr)

COM2107 Communication Theory	4
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Select 6 credits from the following:

COM3106, 3107, 3108, ENG3249, 3316, PRL2061, 2085, 2625, 3035, 3187, 3386	
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Graphic Design Concentration (9–10 cr)

DES1031 Introduction to Layout	2
DES2111 Introduction to Graphic Design	2
DES2235 Digital Illustration	2

Select 3–4 credits from the following:

ART2081 Photography I	3
MEP1013 Video Production	4
MEP1016 Story Structure	4
MEP3117 Media Business	4

Media Production Concentration (11–12 cr)

MEP1012 Audio Production	3
MEP1013 Video Production	4
MEP1016 Story Structure	4
PRL2625 Public Relations Workshop	0–1

WCE = WRITTEN COMMUNICATION EMPHASIS
OCE = ORAL COMMUNICATION EMPHASIS.
SEE PAGE 50 FOR EXPLANATION AND PREREQUISITES.

* INTERNSHIP MUST BE A 240-HOUR MINIMUM, NON-UNW WORK EXPERIENCE, PAID, AND APPROVED BY ADVISOR IN ADVANCE.

Course Requirements for Marketing/Accelerated Graduate Business Degree Program

Students who are accepted into the accelerated graduate degree program can substitute the following graduate-level courses into the undergraduate degree, in place of the equivalent undergraduate courses, to fulfill major or core curriculum requirements. See advisor for questions regarding course options. Refer to the College of Graduate, Online, & Adult Learning catalog for graduate program requirements.

Undergraduate Courses

BUS4435 Business Ethics [OCE, WCE]	4
FIN3222 Finance II	2
MGT3255 Human Resource Management	2
HCM4080 Strategic Management in Healthcare	4
HCM4085 Healthcare Leadership	4
HCM4087 Healthcare Law and Ethics	2
HCM4089 Finance Systems in Healthcare	4

Graduate Courses

BUA5420U Business Leadership Ethics [OCE, WCE]	4
BUA5720U Managerial Finance	2
BUA5220U Human Resource Leadership	2
HCM5080 Healthcare Policy and Management	4
HCM5085 Leadership in Healthcare	4
HCM5087 Law and Ethics in Healthcare	2
HCM5089 Healthcare Financial Systems	4

BUSINESS

Marketing Minor 18 cr

Required Courses: MKT1085, 3165, 3188, MGT2271, 4267.

Leadership Minor 16 cr

This minor introduces students to the principles, practices, and theories of leadership in today's world. It provides guided experience in leadership, utilizing an array of opportunities in workshops, internships, and campus leadership roles.

Required Courses: BUS3005, 4615; select 8 credits from the following: BUS4435, FIN2025, ICS3015, LDR2625, MGT2271, MIN3216, PHI2016, GST Topics in Leadership, other courses by approval.

Nonprofit Leadership Major Bachelor of Arts or Bachelor of Science

Full details are given under Department of Christian Ministries. See page 137.

Nonprofit Leadership Minor

Full details are given under Department of Christian Ministries. See page 137.

School of EDUCATION

Teacher Education Programs

Mission Statement

The School of Education exists to prepare educators for transformative service through Christ-centered programs. Candidates are equipped with the professional knowledge, skills, and dispositions to enable them to provide effective and compassionate professional practice and God-honoring leadership within the diverse communities they serve. Through its programs, the School of Education prepares caring and committed educational professionals equipped to serve within public, private, or global educational settings. Teacher education programs at University of Northwestern – St. Paul are approved by the Minnesota Professional Educators Licensing and Standards Board and lead to a recommendation for licensure within the state of Minnesota.

The following themes are woven throughout the teacher preparation programs and progress from early awareness and recognition to application and proficiency. Structure for their development is provided through the School of Education's conceptual framework, program outcomes, courses, and field experiences.

- Biblically Based Christian Worldview
- Christian Character/Professional Dispositions
- Scholarship
- Learner-Centered Practice
- Critical Reflection and Inquiry
- Culturally Responsive Practice
- Collaboration with Families and Professional Communities
- Ethical Decision Making
- Servant Leadership
- Teaching as an Inspired Calling

The following majors are available within the School of Education

Early Childhood Education (Birth–Grade 3)

Elementary Education (Grades K–6)

English as a Second Language Education (Grades K–12)

Communication Arts/Literature Education (Grades 5–12)

Mathematics Education (Grades 5–12)

Social Studies Education (Grades 5–12)

Music Education (Grades K–12) with specializations in:

Instrumental and Classroom
Vocal and Classroom

Physical Education (Grades K–12) with specializations in:

Physical Education
Physical Education and Health (Grades 5–12)

Spanish Education (Grades K–12)

Visual Arts Education (Grades K–12)

Educational Studies (non-licensure)

The following licensure endorsements are available:

Preprimary (Ages 3–5)
Middle School Communication Arts & Literature (Grades 5–8)
Middle School Mathematics (Grades 5–8)
Middle School Social Studies (Grades 5–8)

In addition, the following non-licensure minors are available:

Child Development
Coaching (Available through Department of Physical Education, Health & Kinesiology)
Health Education
Physical Education
Special Education

EDUCATION

Admission to a Teacher Education Program

Students wishing to enroll in a teacher education program at University of Northwestern must first be accepted into the education program through a formal admission process. Students pursuing a Music Education major must successfully complete the Music Major Progress Interview through the Department of Music & Theatre (see pages 70–71) prior to being accepted into a teacher education program.

To be considered for admission to a teacher education program, a student must:

1. Achieve a cumulative GPA of at least 2.75 on a 4.00 scale, based upon a minimum of 50 semester credits earned from University of Northwestern. (A transfer student must be enrolled for at least one semester at University of Northwestern before being admitted to a teacher education program.)
2. Submit a completed Open/Closed File form to the School of Education.
3. Complete EDU2215 Educational Foundations or an equivalent transfer course with a grade of C or above.
4. Complete the School of Education Disposition Survey.
5. Submit evidence of a successful field experience in EDU2215 Educational Foundations or an equivalent transfer course.
6. Submit an autobiography and teaching decision paper to the School of Education.
7. Achieve a grade of C or above in ENG2205 Critical Thinking and Writing or ENG2825 Honors Critical Thinking and Writing.
8. Demonstrate speech proficiency by receiving a B- or above in SPE1075 Public Speaking or SPE1825 Honors Public Speaking. Students not achieving a B- or above in this course must submit a “Certification of Proficiency in Speech” form signed by the course instructor.
9. Certify an understanding of state testing requirements and School of Education recommendations around required state testing.
10. Certify an understanding of cooperating school requirements related to COVID-19 and background checks.
11. Interview with the School of Education’s Admission and Retention Committee. The student must meet with the committee and be accepted into a teacher education program before taking selected 3000- and 4000-level education classes.

Retention in a Teacher Education Program

Retention in a teacher education program is based on the following:

1. Maintaining a cumulative GPA of at least 2.75.
2. Maintaining a GPA of at least 2.75 in the major.
3. Meeting all minimum grade requirements as defined in the university catalog.
4. Obtaining satisfactory field experience recommendations.
5. Successfully completing all Professional Behavior Plans and Academic Progress Plans required by the Admission and Retention Committee.
6. Students in a teacher education program must be able to demonstrate the health, safety, and stamina necessary for working with children and young adults. The Admission and Retention Committee may request documentation from a health care professional in verifying a student’s ability to meet health, safety, and stamina standards and may use this information in decisions related to long-term program planning.

If the appropriate GPA is not maintained, consideration may be given by the School of Education to dismiss the student from the teacher education program or to counsel the student into another program area.

A student receiving less than the minimum grade a second time in a course which the School of Education or major specifies as requiring a minimum grade, will result in automatic termination of enrollment in a teacher education program. Minimum grade requirements are listed on page 110.

If a student receives a negative evaluation from a field experience, that experience must be repeated successfully before student teaching. A field experience may be repeated only once.

The Admission and Retention Committee will make the final decision in dismissal cases. All dismissal cases may be appealed.

FOR FURTHER DETAILS REGARDING ADMISSION AND RETENTION IN TEACHER EDUCATION PROGRAMS, SEE THE UNIVERSITY OF NORTHWESTERN TEACHER EDUCATION HANDBOOK.

Teacher Licensure

Students who successfully complete teacher education programs at University of Northwestern and who meet Minnesota teacher licensure requirements are eligible to apply to the Minnesota Professional Educator Licensing and Standards Board (PELSB) for licensure in their program areas. Students should follow the licensure application process outlined in the Teacher Education Handbook. Copies of the handbook are available in the School of Education office and on its Confluence site. All first-time licensure candidates are required to pay a fee and have a criminal background check completed as part of the licensure application process.

For those seeking licensure in another state, most states require that candidates first obtain licensure in the state where they earned their degree. Candidates may need to meet additional requirements for licensure as determined by the state in which they are seeking licensure.

Licensure candidates must meet the licensure requirements that are current at the time of program completion. These requirements take precedence over all earlier curriculum requirements. Students are encouraged to work closely with an academic advisor in order to be aware of changes in licensure requirements that may affect their programs.

Candidates applying for Minnesota teacher licensure are required by Minnesota teacher licensure laws to successfully complete standardized tests as part of the licensure system. Information about these tests is available in the Teacher Education Handbook and in the School of Education office.

Teacher Licensure Program Portfolio

All students completing a teacher licensure program must successfully complete a licensure program portfolio as defined within the Teacher Education Handbook and Portfolio Handbook available in the School of Education office and on its Moodle site. Portfolios are typically submitted for review in the semester preceding student teaching.

Post-Baccalaureate Teacher Licensure Program

Students who already have an earned bachelor’s degree and wish to complete the requirements for Minnesota teacher licensure may apply for the post-baccalaureate teacher licensure program. Candidates for the post-baccalaureate program must be admitted to University

of Northwestern and meet all requirements for admission to teacher education programs. In addition, they must have earned a bachelor's degree from a four-year, regionally accredited institution with a GPA of at least 2.75 on a 4.00 scale. The bachelor's degree major must be applicable to the area of licensure, as determined by the School of Education. Candidates interested in the post-baccalaureate teacher licensure program should contact the Office of Admissions. No degree is granted for post-baccalaureate teacher education coursework completed at Northwestern. An individual program plan is designed for each candidate and requirements are met through the completion of courses offered through the traditional undergraduate program.

Educational Studies Major

A degree program in educational studies is available upon recommendation by the School of Education. The major does not lead to teacher licensure in the state of Minnesota. Students interested in this major should consult with their academic advisor or the Assistant Dean of the School of Education. This program is not open to students with pre-professional program standing.

Dual Licensure Options

Students may choose to complete licensure in two fields. This typically adds a minimum of two semesters to the academic program. Students who wish to complete a dual licensure program should contact the School of Education office for details regarding program planning.

Admission to Student Teaching

All students who have been admitted to a teacher education program and who wish to complete student teaching must be formally admitted to student teaching in their major.

This is accomplished by completing the following procedures:

1. The student determines with his/her advisor the projected year and semester of student teaching, based on successful completion of EDU3235 Instructional Foundations and all methods courses and reports this to the Director of Student Teaching. EDU3235 must be taken before methods courses.
2. The student attends an application meeting with the Director of Student Teaching during the fall semester of the school year preceding student teaching.
3. The student completes the application material for student teaching and returns it to the Director of Student Teaching by the deadline set at the orientation meeting. Late applications may result in an appeal and a delay in the student teaching semester. **INCOMPLETE APPLICATIONS WILL NOT BE ACCEPTED.** The student must notify the Director of Student Teaching of any changes in the information.
4. The student must meet with the Admission and Retention Committee during the semester preceding student teaching. This meeting is called and led by the Coordinator of the major in which the student is seeking licensure. During this meeting, the committee will review the student's application for student teaching and provide a recommendation regarding admission to student teaching.

In order to receive final clearance by the Admission and Retention Committee to student teach, the student **MUST** satisfy the following requirements:

- a. **Have a cumulative GPA of at least 2.75 in all University of Northwestern coursework at the end of the semester preceding student teaching.**
- b. **Have a cumulative GPA of at least 2.75 within the major and pass all major and minor field courses with a grade of C or above.**
- c. **Remove all course incompletes and any grades below C in the education core or grades below departmental standards within**

the major or minor. Courses requiring minimum grades before student teaching are listed below.

d. Successfully complete all coursework in the education major or minor, including field placements.

e. Successfully complete all Professional Behavior Plans. Obtain clearance from the School of Education office.

f. Successfully complete all Academic Progress Plans. Obtain clearance from the School of Education office.

Students currently enrolled in their last methods courses may meet with the Admission and Retention Committee. However, final approval for student teaching is contingent upon satisfactory completion of all education core and methods courses.

5. Placement confirmation information will be sent from the Director of Student Teaching to the student. Although this information may be received prior to meeting with the Admission and Retention Committee, final approval for student teaching will be granted only after the student's meeting with the committee and demonstrating to them the completion of all requirements.

Once admitted to student teaching, it is the student teacher's responsibility to inform the Director of Student Teaching of any change or requests for change of status regarding the student teacher's health, employment, and activities involvement. Requests for change of status will be reviewed by the Admission and Retention Committee.

6. The student teacher is required to register for EDU4835, Seminar in Professional Issues, the same semester as student teaching. Orientation sessions precede the placement start date. Due to liability issues, absences from any orientation session will result in the student being ineligible to student teach. In such cases, the student teaching experience will be rescheduled, usually the next semester.

Retention in Student Teaching

Retention in student teaching is dependent upon satisfactory evaluations from the cooperating teacher and the UNW supervisor throughout the student teaching placement.

Should academic or professional concerns regarding the student teacher's performance arise, an intervention meeting with the Admission and Retention Committee will be scheduled by the coordinator of the major.

Withdrawal from a student teaching placement for any reason results in termination of all future student teaching placements and will require the candidate to reapply to the student teaching program.

Additional student teaching may be required as recommended by the Admission and Retention Committee as supported by the final evaluation submitted by the cooperating teacher or the UNW supervisor.

Tuition refund and transcript notation policies defined in the catalog for all Northwestern courses apply to withdrawal from student teaching.

Readmission to Student Teaching

A student who wishes to be readmitted to student teaching after a withdrawal or termination from student teaching must reapply for admission to student teaching. Student teaching may be repeated only once, for a total of two attempts. All repeats of student teaching are subject to the approval of the School of Education Admission and Retention Committee. Procedures for reapplying to student teaching may be found in the Teacher Education Handbook, which is available in the School of Education Office and School of Education Confluence site.

EDUCATION

Minimum Grade Requirements for Admission to Student Teaching

1. ALL EDUCATION CORE COURSES RECEIVING LETTER GRADES MUST BE PASSED WITH A GRADE OF C OR ABOVE.

These include the following:

EDU2215	Educational Foundations
EDU3209	Human Relations in a Cross-Culturally Diverse World
EDU3215	Educational Psychology
EDU3217	School Health and Drug Problems
EDU3225	Educating Multilingual Learners
EDU3235	Instructional Foundations
EDU3285	Educating Diverse Learners
EDU3255	Content Area Reading
EDU3301	Instructional Technology I
EDU3302	Instructional Technology II
EDU4415	Education Ethics

2. ALL EDUCATION LAB COURSES MUST BE SUCCESSFULLY PASSED.

In the Education core, these include the following:

EDU2215L	Educational Foundations Lab
EDU3209L	Human Relations Lab
EDU3285L	Educating Diverse Learners Lab

3. ALL COURSES IN THE MAJOR AND MINOR MUST BE PASSED WITH A GRADE OF C OR ABOVE. ALL LAB COURSES IN THE MAJOR OR MINOR MUST BE SUCCESSFULLY PASSED.

4. THE FOLLOWING PROFESSIONAL COURSES WITHIN THE TEACHER EDUCATION MAJORS AND MINORS MUST BE PASSED WITH A GRADE OF C OR ABOVE:

Communication Arts / Literature Education

EDE4356	Teaching Language and Communication in Grades 5–8
EDE4366	Teaching Language and Communication in Grades 5–12
EDE4367	Teaching Secondary Reading and Literature in Grades 5–12
ENG3125	Structure of English Grammar
ESL3210	Introduction to Sociolinguistics
LIT3255	Young Adult Literature

Early Childhood Education

CFD3205	Child Development
CFD3309	Facilitating Learning and Development in Young Children
ECE2216	Foundations of Early Childhood Education
ECE3306	Infant/Toddler Methods
ECE4215	Early Childhood Visual Arts Methods and Strategies
ECE4217	Early Childhood Music Methods and Strategies
ECE4316	Pre-primary Methods

Elementary Education

EEL4307	Language Arts and Literature in the Elementary School
EEL4317	Mathematics Methods and Strategies (K–3)
EEL4318	Science and Social Studies Methods and Strategies (K–3)
EEL4319	Physical Education and Health Methods and Strategies (K–3)
EEL4327	Kindergarten Methods and the Primary Learner

EEL4335	Mathematics Methods for Elementary Teachers (Grades K–6)
EEL4336	Physical Education and Health Methods for Elementary Teachers (Grades K–6)
EEL4337	Social Studies Methods for Elementary Teachers (Grades K–6)
EEL4338	Science Methods for Elementary Teachers (Grades K–6)
EEL4345	Language Arts Content and Teaching Strategies (Grades K–6)
EEL4346	Reading Methods and Strategies (Grades K–6)
EEL4347	Children's Literature K–6
EEL4835	Elementary Methods Seminar I
EEL4836	Elementary Methods Seminar II
EAR4345	Art Methods for Elementary Teachers
MUE4345	Music Methods for Elementary Teachers (Grades K–6)

ESL Education

EDL4325	Teaching Grammar for ESL
EDL4326	Curriculum and Assessment for Language Learning
EDL4461	ESL K–12 Methods and Materials I
EDL4462	ESL K–12 Methods and Materials II
ENG3125	Structure of English Grammar
ESL3215	Language, School and Society
ESL3315	Theory of Language Acquisition

Mathematics Education

MAE4456	Methods of Teaching Mathematics in the Middle School (Grades 5–8)
MAE4467	Methods of Teaching Mathematics in the High School (Grade 9–12)

Middle Level Endorsement

CFD3207	Adolescent Development and the Middle Level Learner
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Music Education

MUE3270	Instrumental Methods Overview
MUE4355	Elementary and Middle School Music Methods (Grades K–8)
MUE4365	Secondary Choral and General Music Methods
MUE4375	Woodwind Methods
MUE4376	Brass Methods
MUE4377	Percussion Methods
MUE4378	String Methods
MUE4379	Band/Orchestra and General Music Methods
MUS2176	Fundamentals of Conducting
MUS3277	Advanced Conducting
MUS4401	Vocal Pedagogy I

Physical Education

HPE3075	Assessment and Measurement in Physical Education
EPH4345	Methods of Teaching Elementary Physical Education
EPH4365	Methods of Teaching Secondary Physical Education
EPH4375	Adapted Physical Education (Grades K–12)

Social Studies Education

SSE3255	National Government for Middle School Teachers
SSE4358	Social Studies Conte
SSE4458	Methods of Teaching Social Studies I (Grades 5–8)
SSE4468	Methods of Teaching Social Studies II (Grades 9–12)

Visual Arts Education

EAR4345	Art Methods for Elementary Teachers
EAR4465	Art Methods for Secondary Art Teachers

World Language Education: Spanish

WLE4415	Methods and Materials for Language Teaching
WLE4416	Methods and Material for ESL/World Language

Minimum Grade Requirements for Licensure Recommendation

The following course must be passed with a grade of B- or above before a student is recommended for licensure:

EDU49XX Student Teaching

The following course must be successfully passed:

EDU4835 Seminar in Professional Issues

Appeals Processes

SCHOOL OF EDUCATION ACTIONS

The School of Education Appeals Committee will consider academic matters concerning the relationship between teacher education students and the School of Education. Examples of academic matters which the committee will consider are listed below.

- Admission to a teacher education program
- Admission to student teaching
- Dismissal from a teacher education program
- Licensure decisions
- Actions of the Admission and Retention Committee

Detailed information about the appeals process is available in the Teacher Education Handbook and the School of Education Office.

Licensure/Credential Appeals

University of Northwestern is approved by the Minnesota Professional Educators Licensing and Standards Board to provide programs leading to teacher licensure programs. Therefore, according to MN Statute 122A.09, Subdivision 4c, the Minnesota Professional Educators Licensing and Standards Board may assist in resolving disputes between a student preparing for teacher licensure or a licensed graduate of a teacher preparation program and the institution when the dispute involves an institution's recommendation for licensure affecting the person or the person's credentials. Additional information about this process is available in the Teacher Education Handbook and the School of Education Office.

EDUCATION

Licensure Programs

Communication Arts/Literature Education Major Bachelor of Science

The Communication Arts/Literature Education major is designed to prepare students to teach English in Grades 5–12 in private and public schools. The degree is granted upon completion of credits specified on pages 48–49 (40 credits must be successfully completed in 3000- or 4000-level courses).

- **Cultural & Global Engagement** requirement in core curriculum must include EDU3209, 3209L, and 3225.
- **Creative Expression** requirement in core curriculum must include 4 credits selected from LIT- or LTH-prefix courses or SPA3325.
- **Scientific & Quantitative Literacy** social science course in core curriculum: PSY2108.

Education Core	34 cr	Required Major Courses	40 cr
CFD3207 Adolescent Development and the Middle Level Learner	2	ENG3125 Structure of English Grammar	4
EDU2215 Educational Foundations	2	ESL3210 Introduction to Sociolinguistics	2
EDU2215L Educational Foundations Lab	0	LIT2105 Literary Studies	4
EDU3209 Human Relations in a Cross-Culturally Diverse World (SEE CULTURAL & GLOBAL ENGAGEMENT REQUIREMENT ABOVE)		LIT3136 Shakespeare	2
EDU3209L Human Relations Lab (SEE CULTURAL & GLOBAL ENGAGEMENT REQUIREMENT ABOVE)		LIT3255 Young Adult Literature	2
EDU3215 Educational Psychology	2	EDE3306 Communication Arts and Literature Education: Content and Standards	2
EDU3217 School Health and Drug Problems	2	EDE4366 Teaching Language and Communication in Grades 5–12	4
EDU3225 Educating Multilingual Learners (SEE CULTURAL & GLOBAL ENGAGEMENT REQUIREMENT ABOVE)		EDE4367 Teaching Secondary Reading and Literature Methods	4
EDU3235 Instructional Foundations [WCE].	3	EDE4100M Teaching Secondary Reading and Literature Lab - Middle School	0
EDU3255 Content Area Reading	2	EDE4200H Teaching Secondary Reading and Literature Lab - High School	0
EDU3285 Educating Diverse Learners	2	Select 6 credits from the following:	
EDU3285L Educating Diverse Learners Lab	0	COM2107 Communication Theory	4
EDU3301 Instructional Technology I	1	THE1051 Acting I	4
EDU3302 Instructional Technology II	1	THE1055 Introduction to Theatre	2
EDU4415 Education Ethics [OCE]	2	THE2045 Children's Theatre	2
EDU4835 Seminar in Professional Issues	1	Courses with ENG, LIT, or LTH prefix	2–6
Select one of the following sets of courses (14 cr):		Select one of the following:	
EDU4916H Student Teaching in Communication Arts/Literature Education - High School	14	ENG2216 Writing of Poetry	2
EDU4916M Student Teaching in Communication Arts/Literature Education - Middle School	14	ENG2217 Writing of Fiction	2
		Select one of the following:	
		LIT3145 Contemporary World Literature	2
		and LIT2156 Contemporary Poetry or LIT2157 Contemporary Fiction	2
		or	
		LIT2118 Multiethnic American Literature	4
		Select one of the following:	
		LIT3221 American Literature I	4
		LIT3222 American Literature II	4
		LIT3231 British Literature I	4
		LIT3232 British Literature II	4

Placement is dependent on previous field experiences in the program.

WCE = WRITTEN COMMUNICATION EMPHASIS.
OCE = ORAL COMMUNICATION EMPHASIS.
SEE PAGE 50 FOR EXPLANATION AND PREREQUISITES.

Early Childhood Education (Birth–Grade 3) Major Bachelor of Science

The Early Childhood Education major is designed to prepare students to teach in early childhood (birth through grade 3) classrooms in private and public schools. Early Childhood Education majors have the opportunity to complete 12 credits of program requirements through a fall semester study abroad* experience at Stranmillis, a college of Queen’s University in Belfast, Northern Ireland. The semester in Belfast is best suited to students in their junior year. Check the ECE Four-Year Planning Guide called Northern Ireland Track to note required course sequence and prerequisites. The degree is granted upon completion of credits specified on pages 48–49 (40 credits must be successfully completed in 3000- or 4000-level courses).

- **Cultural & Global Engagement** requirement in core curriculum must include EDU3209, 3209L, and 3225.
- **Creative Expression** courses in core curriculum must include ART1005, 1007, or 1825; and MUS1075 or MUH3105.
- **Scientific & Quantitative Literacy** mathematics course in core curriculum must include MAT1006, Mathematics for Elementary Teachers, or an alternate course with a MAT prefix at or above the 1000 level if competency for MAT1006 is demonstrated through the Department of Computing, Analytics, & Mathematics. Social science course: PSY2108.
- **Students enrolling in Early Childhood Education** courses requiring field experiences must have clearance from the Minnesota State Department of Human Services Background Study.

Education Core31 cr

EDU2215	Educational Foundations	2
EDU2215L	Educational Foundations Lab	0
EDU3209	Human Relations in a Cross-Culturally Diverse World (SEE CULTURAL & GLOBAL ENGAGEMENT REQUIREMENT ABOVE)	
EDU3209L	Human Relations Lab (SEE CULTURAL & GLOBAL ENGAGEMENT REQUIREMENT ABOVE)	
EDU3215	Educational Psychology	2
EDU3217	School Health and Drug Problems	2
EDU3225	Educating Multilingual Learners (SEE CULTURAL & GLOBAL ENGAGEMENT REQUIREMENT ABOVE)	
EDU3235	Instructional Foundations [WCE]	3
EDU3285	Educating Diverse Learners	2
EDU3285L	Educating Diverse Learners Lab	0
EDU3301	Instructional Technology I	1
EDU3302	Instructional Technology II	1
EDU4415	Education Ethics [OCE]	2
EDU4835	Seminar in Professional Issues	1
EDU4976	Student Teaching in Early Childhood Education: Pre-primary	7
EDU4977	Student Teaching in Early Childhood Education: Elementary K–3	8

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OCE = ORAL COMMUNICATION EMPHASIS.
SEE PAGE 50 FOR EXPLANATION AND PREREQUISITES.

* SEE RELATED INFORMATION ON PAGES 20, 37–38

Required Major Courses38 cr

CFD3205	Child Development	4
CFD3205L	Child Development Lab	0
CFD3309	Facilitating Learning and Development in Young Children	4
ECE2216	Foundations of Early Childhood Education	2
ECE2216L	Foundations of Early Childhood Education Lab	0
ECE3306	Infant/Toddler Methods	4
ECE3306L	Infant Methods Lab	0
ECE3307L	Toddlers Methods Lab	0
ECE4215	Early Childhood Visual Arts Methods and Strategies	2
ECE4217	Early Childhood Music Methods and Strategies	2
ECE4316	Pre-primary Methods	4
ECE4316L	Pre-primary Methods Lab	0
EEL4307	Language Arts and Literature in the Elementary School	4
EEL4317	Mathematics Methods and Strategies (K–3)	2
EEL4318	Science and Social Studies Methods and Strategies (K–3)	2
EEL4319	Physical Education & Health Methods and Strategies (K–3)	2
EEL4327	Kindergarten Methods and the Primary Learner	2
EEL4327L	Kindergarten Methods and the Primary Learner Lab	0
EEL4346	Reading Methods and Strategies K–6	4
EEL4835	Elementary Methods Seminar	0
EEL4837L	Elementary Methods Lab for ECE	0
ECE4835	Early Childhood Seminar I	0
ECE4836	Early Childhood Seminar II	0

Child Development Minor 18–20 cr

This minor is designed for students who do not have an education major but who desire strong preparation in understanding child development from birth through adolescence. The minor does not lead to teacher licensure.

Child Development Core14

CFD3205	Child Development	4
CFD3205L	Child Development Lab	0
CFD3207	Adolescent Development and the Middle Level Learner	2
CFD3309	Facilitating Learning and Development in Young Children	4
PSY2108	Lifespan Psychology	4

Family Core2

MIN3226	Family Studies	2
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Electives 2–4

Select from the following:
ECE2216 Foundations of Early Childhood Education 2
and ECE2216L Foundations of Early Childhood Education Lab 0
MIN3205 Human Sexuality 4
Other electives as approved by the School of Education

EDUCATION

Elementary Education Major Bachelor of Science

The Elementary Education major is designed to prepare students to teach in grades K–6 in private and public schools. The degree is granted upon completion of credits specified on pages 48–49 (40 credits must be successfully completed in 3000- or 4000-level courses).

- **Cultural & Global Engagement** requirement in core curriculum must include EDU3209, 3209L, and 3225.
- **Creative Expression** courses in core curriculum must include ART1005, 1007, or 1825; and MUS1075 or MUH3105.
- **Scientific & Quantitative Literacy** course in core curriculum must include mathematics course MAT1006, Mathematics for Elementary Teachers, or an alternate course with a MAT prefix at or above the 1000 level if competency for MAT1006 is demonstrated through the Department of Computing, Analytics, & Mathematics. Social science course: PSY2108.

Education Core 30–33 cr

EDU2215	Educational Foundations	2
EDU2215L	Educational Foundations Lab	0
EDU3209	Human Relations in a Cross-Culturally Diverse World (SEE CULTURAL & GLOBAL ENGAGEMENT REQUIREMENT ABOVE)	
EDU3209L	Human Relations Lab (SEE CULTURAL & GLOBAL ENGAGEMENT REQUIREMENT ABOVE)	
EDU3215	Educational Psychology	2
EDU3217	School Health and Drug Problems	2
EDU3225	Educating Multilingual Learners (SEE CULTURAL & GLOBAL ENGAGEMENT REQUIREMENT ABOVE)	
EDU3235	Instructional Foundations [WCE]	3
EDU3285	Educating Diverse Learners	2
EDU3285L	Educating Diverse Learners Lab	0
EDU3301	Instructional Technology I	1
EDU3302	Instructional Technology II	1
EDU4415	Education Ethics [OCE]	2
EDU4835	Seminar in Professional Issues	1
EDU4906	Student Teaching in Elementary Education	14

Candidates completing a licensure endorsement concurrent with their elementary program complete the following in place of EDU4906.

EDU4908	Student Teaching in Elementary Education	12
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And one of the following applicable to the endorsement field:

EDU4915E	Student Teaching in Communication Arts/Literature Education Endorsement	5
EDU4925E	Student Teaching in Mathematics Education Endorsement	5
EDU4955E	Student Teaching in Social Studies Education Endorsement	5
EDU4976E	Student Teaching in Early Childhood Education: Pre-primary Endorsement	5

Required Major Courses 26 cr

EEL4327	Kindergarten Methods and the Primary Learner	2
EEL4327L	Kindergarten Methods and the Primary Learner Lab	0
EEL4335	Mathematics Methods for Elementary Teachers	3
EEL4336	Physical Education and Health Methods for Elementary Teachers	2
EEL4337	Social Studies Methods for Elementary Teachers	2
EEL4338	Science Methods for Elementary Teachers	3
EEL4345	Language Arts Content and Teaching Strategies	4
EEL4346	Reading Methods and Strategies	4
EEL4347	Children’s Literature K–6	2
EEL4835	Elementary Methods Seminar I	0
EEL4835L	Elementary Methods Lab I	0
EEL4836	Elementary Methods Seminar II	0
EEL4836L	Elementary Methods Lab II	0
EAR4345	Art Methods for Elementary Teachers	2
MUE4345	Music Methods for Elementary Teachers	2

Academic Emphasis minimum of 12 cr

(SEE REQUIREMENTS ON NEXT PAGE)

WCE = WRITTEN COMMUNICATION EMPHASIS
 OCE = ORAL COMMUNICATION EMPHASIS.
 SEE PAGE 50 FOR EXPLANATION AND PREREQUISITES.

Academic Emphases

Elementary Education majors must complete a minimum of 12 credits in an area of academic emphasis approved by the School of Education. Credits may be double counted in the Academic Emphasis and the core curriculum. Emphases not listed below may be requested by submitting a proposal to the Assistant Dean, School of Education, for committee review.

Select a minimum of 12 credits from the approved list within each field:

Communication Arts and Literature

ESL3210	Introduction to Sociolinguistics	2
	Any course with LIT prefix	2

Select 8 credits from the following:

EDE3306, LIT3255, or any courses with ENG, LIT, or LTH prefix.
(ENG1105, 1825, 2205, and 2825 are not options.)

Early Childhood

CFD3205	Child Development	4
CFD3205L	Child Development Lab	0
CFD3309	Facilitating Learning and Development in Young Children	4
ECE2216	Foundations of Early Childhood Education	2
ECE2216L	Foundations of Early Childhood Education Lab	0
MIN3226	Family Studies	2

Additional courses may be petitioned to apply as approved by the School of Education.

English as a Second Language

LIN2226	Introduction to Linguistics	4
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Select 8 additional credits from the following:

ESL3215	Language, School and Society	4
ESL3315	Theory of Language Acquisition	4
ENG3125	Structure of English Grammar	4
ICS2015	World Religions	4

Any ESL topics courses

Global Studies – Northern Ireland (15 cr Study Abroad Emphasis)

	School-Based Practicum	5
	Peacebuilding and Reconciliation Level 2	5

Select 1 additional course from the following:

	Northern Ireland Culture and Education Level 2*	5
	Writing, Popular Culture and the Child Level 3	5
	Contemporary Approaches to Primary Languages Level 3	5
	Curriculum Studies – Arts (Art/Drama/Music) Level 2	5

* RECOMMENDED

Note: Level 2 - Sophomore, Level 3 - Junior.

Mathematics

MAT2005	Problem Solving	2
MAT2055	Statistics	4
MAT2075	History of Mathematics	2
MAT2121	Calculus & Analytic Geometry I	4
MAT2221	Foundations of Mathematics I	2
MAT2222	Foundations of Mathematics II	2
MAT3225	Discrete Mathematics	2
MAT3245	Geometry	4
MAT3255	Advanced Concepts of Middle School Mathematics (Grades 5–8)*	4

* STRONGLY RECOMMENDED

Social Studies

Select 4 credits from the following:

GEO1005	Introduction to Geography	2
GEO1015	World Geography	2
HIS2001	United States History to 1877	4
HIS2002	United States History since 1877	4
SOC1035	Introduction to Sociology	4

Select 8 credits from courses with the following prefixes:

ECO, GEO, HIS, POS, PSY, SOC (HIS1005 and PSY2108 may not be used if already applied in the core curriculum)

Note: GEO1007 (3 cr) may be substituted for GEO1005.
GEO1017 (3 cr) may be substituted for GEO1015.

Spanish

SPA2101	Intermediate Spanish I	4
SPA2102	Intermediate Spanish II	4
SPA3201	Spanish Grammar	4

Special Education

SPD2215	Introduction to Special Education	2
SPD2215L	Introduction to Special Education Lab	0
SPD3215	Children and Families with Special needs	3
SPD3218	Special Education: Due Process, Trends, and Problems	2
SPD4315	Measurement and Assessment in Special Education	3

Select 2–4 credits from the following:

CFD3205/CFD3205L	Child Development/Child Development Lab	4
CFD3207	Adolescent Development and the Middle Level Learner	2
MIN3226	Family Studies	2
PSY3207	Abnormal Psychology	4

EDUCATION

Licensure Endorsements

Licensure Endorsements may be earned in the fields described below by candidates who hold a Minnesota teaching license in an appropriate field as determined by the School of Education. Students who are completing undergraduate programs leading to initial teacher licensure may seek an endorsement to their license by completing the appropriate endorsement described below and receive the endorsement at the time they receive their initial license. Candidates must confirm with the School of Education that the endorsement may be added to their chosen major field. Credits that have been applied to the licensure major may be double counted in the endorsement. Candidates completing one of the below endorsements must complete EEL4346 Reading Methods and Strategies K–6 or demonstrate equivalent preparation in reading at the elementary or secondary level.

Preprimary Endorsement23 cr

CFD3205	Child Development	4
CFD3205L	Child Development Lab	0
CFD3309	Facilitating Learning and Development in Young Children	4
ECE2216	Foundations of Early Childhood Education	2
ECE2216L	Foundations of Early Childhood Education Lab	0
ECE4316	Pre-primary Methods	4
ECE4317E	Pre-primary Methods Lab – Endorsement	0
EEL4327	Kindergarten Methods and the Primary Learner	2
EEL4327L	Kindergarten Methods and the Primary Learner Lab	0
EDU4976E	Student Teaching in Early Childhood Education: Pre-primary Endorsement	5
MIN3226	Family Studies	2

Middle School Social Studies Endorsement29 cr

CFD3207	Adolescent Development and the Middle Level Learner	2
EDU3255	Content Area Reading	2
ECO2201	Principles of Economics I or	
ECO2211	Introduction to Economics and	
ECO2212	Principles of Macroeconomics	4
GEO1005	Introduction to Geography	2
HIS2001	U.S. History to 1877	4
HIS2002	U.S. History since 1877	4
SSE3255	National Government for Middle School Teachers	2
SSE4458	Methods of Teaching Social Studies I (Grades 5–8)	4
SSE4458E	Methods of Teaching Social Studies I Lab – Endorsement	0
EDU4955E	Student Teaching in Social Studies Education Endorsement	5

Middle School Communication Arts and Literature Endorsement29 cr

CFD3207	Adolescent Development and the Middle Level Learner	2
EDU3255	Content Area Reading	2
EDE3306	Communication Arts and Literature Education: Content and Standards	2
EDE4356	Teaching Language and Communication in Grades 5–8	2
EDE4356E	Teaching Language and Communication in Grades 5–8 Lab – Endorsement	0
EDU4915E	Student Teaching in Communication Arts/Literature Education Endorsement	5
ENG3125	Structure of English Grammar	4
ESL3210	Introduction to Sociolinguistics	2
LIT3255	Young Adult Literature	2

Select one of the following:

ENG2216	Writing of Poetry	2
ENG2217	Writing of Fiction	2

Select 6 credits from the following, including one LIT course:

Any course with LIT prefix		2–6
Any course with ENG prefix		0–4
(ENG1105, 1825, 2205 and 2825 are not options.)		

Middle School Mathematics Endorsement29 cr

CFD3207	Adolescent Development and the Middle Level Learner	2
EDU3255	Content Area Reading	2
MAE4456	Methods of Teaching Mathematics in the Middle School (Grades 5–8)	2
MAE4456E	Math Methods Lab (Grades 5–8) – Endorsement	0
MAT2121	Calculus and Analytic Geometry I	4
MAT2221	Foundations of Mathematics I	2
MAT2222	Foundations of Mathematics II	2
MAT3225	Discrete Mathematics	2
MAT3245	Geometry	4
MAT3255	Advanced Concepts of Middle School Mathematics (Grades 5–8)	4
EDU4925E	Student Teaching in Mathematics Education Endorsement	5

English as a Second Language (ESL) Education Major Bachelor of Arts

The English as a Second Language Education major is designed to prepare students to teach English as a second language in grades K–12 in private and public schools. The degree is granted upon completion of credits specified on pages 48–49 (40 credits must be successfully completed in 3000- or 4000-level courses).

- **Cultural & Global Engagement** requirement in core curriculum must include EDU3209, 3209L, and EDU3225.
- **Creative Expression** course in core curriculum must include LIT2118, 3145, or SPA3325.
- **Scientific & Quantitative Literacy** social science course in core curriculum: PSY2108.

Education Core 32 cr

EDU2215	Educational Foundations	2
EDU2215L	Educational Foundations Lab	0
EDU3209	Human Relations in a Cross-Culturally Diverse World (SEE CULTURAL & GLOBAL ENGAGEMENT REQUIREMENT ABOVE)	
EDU3209L	Human Relations Lab (SEE CULTURAL & GLOBAL ENGAGEMENT REQUIREMENT ABOVE)	
EDU3215	Educational Psychology	2
EDU3217	School Health and Drug Problems	2
EDU3225	Educating Multilingual Learners (SEE CULTURAL & GLOBAL ENGAGEMENT REQUIREMENT ABOVE)	
EDU3235	Instructional Foundations [WCE]	3
EDU3255	Content Area Reading	2
EDU3285	Educating Diverse Learners	2
EDU3285L	Educating Diverse Learners Lab	0
EDU3301	Instructional Technology I	1
EDU3302	Instructional Technology II	1
EDU4415	Education Ethics [OCE]	2
EDU4835	Seminar in Professional Issues	1
EDU4917	Student Teaching in ESL - Elementary	7
EDU4918	Student Teaching in ESL - Secondary	7

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OCE = ORAL COMMUNICATION EMPHASIS.
SEE PAGE 50 FOR EXPLANATION AND PREREQUISITES.

Required Major Courses 30 cr

ENG3125	Structure of English Grammar	4
ESL3215	Language, School and Society	4
ESL3315	Theory of Language Acquisition	4
EDL4325	Teaching Grammar for ESL	2
EDL4326	Curriculum and Assessment for Language Learning	2
EDL4461	ESL K–12 Methods and Materials I	4
EDL4461L	ESL K–12 Methods Lab I	0
EDL4462	ESL K–12 Methods and Materials II	2
EDL4462L	ESL K–12 Methods Lab II	0
LIN2226	Introduction to Linguistics	4
Select 4 credits from the following:		
GEO1005	Introduction to Geography	2
GEO1015	World Geography	2
ICS2015	World Religions	4
ICS2045	Cultural Anthropology	4

Foreign Language/Approved Electives 8 cr

Must achieve 1002-level competency in an approved foreign language. Approved foreign languages are restricted to modern languages. All other languages must receive approval of the School of Education. Students who have met the 1002-level foreign language requirement replace the 8 credits with selections from the following approved electives, if not already counted above: GEO1005; GEO1015; ICS2015; ICS2045; ESL topics courses; any course with LIT prefix; additional language courses.

For English as a Second Language/Elementary Education - Dual Licensure, students who have met the 1002-level competency in an approved foreign language do not take additional electives since the required courses EEL4345 and 4346 meet the approved elective requirement.

EDUCATION

Mathematics Education Major Bachelor of Science

The Mathematics Education major is designed to prepare students to teach mathematics in grades 5–12 in private and public schools. The degree is granted upon completion of credits specified on pages 48–49 (40 credits must be successfully completed in 3000- or 4000-level courses).

- **Cultural & Global Engagement** requirement in core curriculum must include EDU3209, 3209L, and 3225.
- **Scientific & Quantitative Literacy** courses in core curriculum: social science course PSY2108; mathematics course MAT2121.

Education Core34 cr

CFD3207	Adolescent Development and the Middle Level Learner	2
EDU2215	Educational Foundations	2
EDU2215L	Educational Foundations Lab	0
EDU3209	Human Relations in a Cross-Culturally Diverse World (SEE CULTURAL & GLOBAL ENGAGEMENT REQUIREMENT ABOVE)	
EDU3209L	Human Relations Lab (SEE CULTURAL & GLOBAL ENGAGEMENT REQUIREMENT ABOVE)	
EDU3215	Educational Psychology	2
EDU3217	School Health and Drug Problems	2
EDU3225	Educating Multilingual Learners (SEE CULTURAL & GLOBAL ENGAGEMENT REQUIREMENT ABOVE)	
EDU3235	Instructional Foundations [WCE]	3
EDU3255	Content Area Reading	2
EDU3285	Educating Diverse Learners	2
EDU3285L	Educating Diverse Learners Lab	0
EDU3301	Instructional Technology I	1
EDU3302	Instructional Technology II	1
EDU4415	Education Ethics [OCE]	2
EDU4835	Seminar in Professional Issues	1

Select one of the following:

EDU4926M	Student teaching in Mathematics Education – Middle School	14
EDU4926H	Student teaching in Mathematics Education – High School	14

PLACEMENT IS DEPENDENT ON PREVIOUS FIELD PLACEMENTS IN THE PROGRAM.

Required Major Courses34 cr

MAT2055	Statistics	4
MAT2122	Calculus and Analytic Geometry II	4
MAT2221	Foundations of Mathematics I	2
MAT2222	Foundations of Mathematics II	2
MAT3211	Linear and Abstract Algebra	4
MAT3225	Discrete Mathematics	2
MAT3245	Geometry	4
MAT3255	Advanced Concepts of Middle School Mathematics (Grades 5–8)	4
MAT3265	Advanced Concepts of High School Mathematics (Grades 9–12)	4
MAE4456	Methods of Teaching Mathematics in the Middle School (Grades 5–8)	2
MAE4467	Methods of Teaching Mathematics in the High School (Grades 9–12)	2
MAE4100M	Math Methods Lab II (Grades 5–12) – Middle School	0
MAE4200H	Math Methods Lab II (Grades 5–12) – High School	0

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OCE = ORAL COMMUNICATION EMPHASIS.
SEE PAGE 50 FOR EXPLANATION AND PREREQUISITES.

Music Education Major Bachelor of Music Education

The Music Education major is designed to prepare students to teach music in grades K–12 in private or public schools. The degree is granted upon completion of credits specified on pages 48–49 (40 credits must be successfully completed in 3000- or 4000-level courses) and demonstration of prescribed competencies and proficiencies. Due to the number of credits required, the music education degree normally takes 4 1/2 years to complete.

ENTRANCE AUDITIONS

ENTRANCE AUDITIONS ARE REQUIRED FOR ALL STUDENTS WISHING TO PURSUE A BACHELOR OF MUSIC EDUCATION. MUSIC EDUCATION MAJORS WHOSE PRIMARY INSTRUMENT IS PIANO MUST AUDITION ON BOTH PIANO AND THEIR SECONDARY INSTRUMENT/VOICE. PLEASE REFER TO UNWSP.EDU/MUSIC FOR AUDITION GUIDELINES, REQUIREMENTS, AND DATES FOR THE CURRENT ACADEMIC YEAR.

- **Cultural & Global Engagement** requirement in core curriculum must include EDU3209, 3209L, and 3225.
- **Creative Expression** courses in core curriculum must include MUH3105 and MUH3106.
- **Scientific & Quantitative Literacy** social science course in core curriculum: PSY2108.

Admission Procedures

Applicants desiring to pursue a Bachelor of Music Education degree should follow standard admissions procedures with the Office of Admissions. Entering freshmen who indicate their intent to work toward a music education degree are considered pre-music majors until they successfully complete both the Music Major Progress Interview and admission to the teacher education program.

Auditions: Ensembles and Private Lessons

All music majors are required to participate in a major performance ensemble and to take private study in their primary performance area. Auditions are held during new student orientation, which occurs the week before classes begin, and designated summer auditions.

Music Major Progress Interview

During the sophomore year, the Music Major Progress Interview is to be held before the music faculty. The Interview is to determine the student's progress in lower-level music courses and to formally grant status as a music major, thereby permitting access to 4000-level music courses. Please contact the Music Office for information and guidelines regarding the Music Major Progress Interview.

Music Theory Placement Exam

Incoming students with substantial background in music theory may choose to attempt a placement exam to test out of portions of the theory or sight singing and ear training sequence. More information is available from the Music Office.

Transfer Students

- All transfer music major applicants must go through the Music Audition Application process (including the online Music Theory Placement Exam) in order to be admitted (unwsp.edu/music).
- At least 50% of the required ensemble credits for a music major/minor must be completed at UNW.
- The number of applied lesson credits accepted by UNW will be determined after one semester of applied lessons at UNW.
- Transfer credit for coursework in music theory or sight singing/ear training will be accepted only by placement exam. This policy applies to both transfer applicants and current UNW students. Transfer credit and/or placement in the UNW theory and sight singing/ear training sequence will be based on the applicant's performance on the exam. Contact the Department of Music & Theatre to schedule an exam (651-631-5218 or 888-878-5514).

Grades

All coursework in the major, both music and education, must be passed with a grade of C or above.

Education Core	32 cr	EDU3285L	Educating Diverse Learners Lab	0	
EDU2215	Educational Foundations	2	EDU3301	Instructional Technology I	1
EDU2215L	Educational Foundations Lab	0	EDU3302	Instructional Technology II	1
EDU3209	Human Relations in a Cross-Culturally Diverse World (SEE CULTURAL & GLOBAL ENGAGEMENT REQUIREMENT ABOVE)		EDU4415	Education Ethics [OCE]	2
EDU3209L	Human Relations Lab (SEE CULTURAL & GLOBAL ENGAGEMENT REQUIREMENT ABOVE)		EDU4835	Seminar in Professional Issues	1
EDU3215	Educational Psychology	2	Student Teaching in Music Education—Elementary		
EDU3217	School Health and Drug Problems	2	EDU4935	Vocal and Classroom or	
EDU3225	Educating Multilingual Learners (SEE CULTURAL & GLOBAL ENGAGEMENT REQUIREMENT ABOVE)		EDU4937	Instrumental and Classroom	7
EDU3235	Instructional Foundations [WCE]	3	Student Teaching in Music Education—Secondary		
EDU3255	Content Area Reading	2	EDU4936	Vocal and Classroom or	
EDU3285	Educating Diverse Learners	2	EDU4938	Instrumental and Classroom	7

EDUCATION

Music Core	32–38 cr
MTC1007 Music Theory Foundations	4
MTC2112 Music Theory II: Diatonic Practice	3
MTC2004 Sight Singing and Ear Training II	1
MTC3101 Music Theory III: Chromatic and Jazz-Pop Harmony [OCE]	3
MTC3102 Music Theory IV: Practices after 1875	3
MTC3103 Sight Singing and Ear Training III	1
MTC3104 Sight Singing and Ear Training IV	1
MUH3101 Western Music History to 1750 [WCE]	4
MUH3102 Western Music History after 1750 [WCE]	4
MUH3105 American Music (SEE CREATIVE EXPRESSION REQUIREMENT ABOVE)	
MUH3106 Music in World Cultures (SEE CREATIVE EXPRESSION REQUIREMENT ABOVE)	
MUS1000 Music Hour (5 SEMESTERS REQUIRED)	
MUS2176 Fundamentals of Conducting	2

Music Ensembles	6–8
(8 SEMESTERS IN ENSEMBLES ON PRIMARY INSTRUMENT (PIANO AND GUITAR MAY FULFILL THE REQUIREMENT ON A SECONDARY INSTRUMENT); UP TO 2 SEMESTERS MAY BE SMALL ENSEMBLES. A MINIMUM OF 6 SEMESTERS TAKEN FOR CREDIT.)	

Private or Group Piano	0–4
(VOCAL OR INSTRUMENTAL CLASSROOM MUSIC SPECIALIZATION STUDENTS MUST BE ENROLLED IN PRIVATE OR GROUP PIANO UNTIL THE PIANO PROFICIENCY EXAM IS PASSED. PRIMARY INSTRUMENT PIANO STUDENTS MUST BE ENROLLED IN PRIVATE PIANO LESSONS UNTIL THE PIANO PROFICIENCY EXAM IS PASSED.)	

WCE = WRITTEN COMMUNICATION EMPHASIS
 OCE = ORAL COMMUNICATION EMPHASIS.
 SEE PAGE 50 FOR EXPLANATION AND PREREQUISITES.

Select one of the following specializations:

Vocal and Classroom Music Specialization

24–27 cr

Emphasis: Vocal	24 cr
MUS3101 Diction for Singers I	1
MUS3102 Diction for Singers II	1
MUS3277 Advanced Conducting	2
MUS4401 Vocal Pedagogy I	2
MUP2100, 3100 Private Voice - Major	8
MUP4695 Senior Recital - Half	0
MUE3270 Instrumental Methods Overview	1
MUE3601V Music Education Field Experience - Elementary Vocal ..	0
MUE3602V Music Education Field Experience - Secondary Vocal ..	0
MUE4355 Elementary and Middle School Music Methods (Grades K–8)	4
MUE4365 Secondary Choral and General Music Methods	3
MTC4209 Choral Arranging	2

Emphasis: Vocal with Primary Instrument Piano or Guitar ..	27 cr
MUS3101 Diction for Singers I	1
MUS3102 Diction for Singers II	1
MUS3277 Advanced Conducting	2
MUS4401 Vocal Pedagogy I	2
MUP2107 Private Voice - Secondary*	4
MUP2110, 3110 Private Piano - Major or MUP2150, 3150 Private Guitar - Major	7
MUP4695 Senior Recital - Half	0
MUE3270 Instrumental Methods Overview	1
MUE3601V Music Education Field Experience - Elementary Vocal ..	0
MUE3602V Music Education Field Experience - Secondary Vocal ..	0
MUE4355 Elementary and Middle School Music Methods (Grades K–8)	4
MUE4365 Secondary Choral and General Music Methods	3
MTC4209 Choral Arranging	2

*A MINIMUM OF 4 SEMESTERS AND UNTIL VOCAL PROFICIENCY IS COMPLETED.

Instrumental and Classroom Music Specialization

23–27 cr

Emphasis: Instrumental	23 cr
MUS3277 Advanced Conducting	2
MUP1001 Class Voice I or MUP2107 Private Voice - Secondary	1
MUP21XX, 31XX Private Instrument - Major	7
MUP4695 Senior Recital - Half	0
MUE3601I Music Education Field Experience - Elementary Instrumental	0
MUE3602I Music Education Field Experience - Secondary Instrumental	0
MUE4355 Elementary and Middle School Music Methods (Grades K–8)	4
MUE4375 Woodwind Methods	1
MUE4376 Brass Methods	1
MUE4377 Percussion Methods	1
MUE4378 String Methods	1
MUE4379 Band/Orchestra and General Music Methods	3
MTC4207 Orchestration	2

Emphasis: Instrumental with Primary Instrument Piano or Guitar	27 cr
MUS3277 Advanced Conducting	2
MUP1001 Class Voice I or MUP2107 Private Voice - Secondary	1
MUP2110, 3110 Private Piano - Major or MUP2150, 3150 Private Guitar - Major	7
MUP21XX Applied Music (Secondary)	4
MUP4695 Senior Recital - Half	0
MUE3601I Music Education Field Experience - Elementary Instrumental	0
MUE3602I Music Education Field Experience - Secondary Instrumental	0
MUE4355 Elementary and Middle School Music Methods (Grades K–8)	4
MUE4375 Woodwind Methods	1
MUE4376 Brass Methods	1
MUE4377 Percussion Methods	1
MUE4378 String Methods	1
MUE4379 Band/Orchestra and General Music Methods	3
MTC4207 Orchestration	2

Physical Education Major Bachelor of Science

The Physical Education major is designed to prepare teachers for teaching physical education K–12 in private and public schools. The degree is granted upon completion of credits specified on pages 48–49 (40 credits must be successfully completed in 3000- or 4000-level courses).

- **Cultural & Global Engagement** requirement in core curriculum must include EDU3209, 3209L, and 3225.
- **Scientific & Quantitative Literacy** courses in core curriculum: natural science course BIO1009/1009L or BIO1011/1011L; social science course PSY2108.

Note: Students completing the Physical Education major without Health Licensure must also take HPE3005.

Education Core	32 cr	Required Major Courses	38 cr
EDU2215 Educational Foundations	2	BIO3157/3157L Human Anatomy or	
EDU2215L Educational Foundations Lab	0	HPE2175 Anatomy of Human Movement	4
EDU3209 Human Relations in a Cross-Culturally Diverse World (SEE CULTURAL & GLOBAL ENGAGEMENT REQUIREMENT ABOVE)		EPH4345 Methods of Teaching Elementary Physical Education	2
EDU3209L Human Relations Lab (SEE CULTURAL & GLOBAL ENGAGEMENT REQUIREMENT ABOVE)		EPH4345L Methods of Elementary Physical Education Lab	0
EDU3215 Educational Psychology	2	EPH4365 Methods of Teaching Secondary Physical Education	2
EDU3217 School Health and Drug Problems	2	EPH4365L Methods of Secondary Physical Education Lab	0
EDU3225 Educating Multilingual Learners (SEE CULTURAL & GLOBAL ENGAGEMENT REQUIREMENT ABOVE)		EPH4375 Adapted Physical Education (Grades K–12)	2
EDU3235 Instructional Foundations [WCE]	3	EPH4375L Adapted Physical Education Lab	0
EDU3255 Content Area Reading	2	HPE1005 Foundations of Physical Education and Health	2
EDU3285 Educating Diverse Learners	2	HPE2005 First Aid and Personal Safety	1
EDU3285L Educating Diverse Learners Lab	0	HPE2015 Techniques of Team Sports	3
EDU3301 Instructional Technology I	1	HPE2016 Techniques of Individual and Lifetime Sports	4
EDU3302 Instructional Technology II	1	HPE3007 Coaching Theory	2
EDU4415 Education Ethics [OCE]	2	HPE3075 Assessment & Measurement in Physical Education	2
EDU4835 Seminar in Professional Issues	1	HPE3275 Care and Prevention of Injuries	2
EDU4945 Student Teaching in Physical Education - Elementary	7	HPE3376 Exercise Physiology	4
EDU4946 Student Teaching in Physical Education - Secondary	7	HPE3377 Biomechanics	4
		HPE4075 Administration of Physical Education and Sport	2
		HPE4305 Health and Fitness Evaluation and Diagnosis	2

WCE = WRITTEN COMMUNICATION EMPHASIS.
 OCE = ORAL COMMUNICATION EMPHASIS.
 SEE PAGE 50 FOR EXPLANATION AND PREREQUISITES.

Physical Education & Health

In addition to the courses required for the Physical Education major, the following courses are required for licensure in Health Education.

EPH4355 School Health Education Methods	2	Student teaching requirements for a major in Physical Education & Health are as follows:		
EPH4355L School Health Methods Lab	0			
HPE2006 Sexuality Education	2			
HPE3005 Personal and Community Health	2			
HPE3006 Human Nutrition	4			
HPE3008 Health Behavior: Theory and Program Planning	2			
HPE3305 Health Education Curriculum and Instruction	3			
PHE1065 Lifetime Fitness & Wellness	1			
			EDU4945 Student Teaching in Physical Education - Elementary	7
			EDU4946 Student Teaching in Physical Education - Secondary	5
		EDU4947 Student Teaching in Secondary Health Education	5	

Health Education Minor 25 cr

Minnesota teacher licensure requirements, which affect the area of Health Education, require a full Health Education major for licensure. The courses included in the Health Education minor will provide fundamental studies but will not fully qualify an individual for teaching licensure in the area of health education.

Required Courses: BIO1009/1009L and HPE2175, or BIO1011/1011L and 3157/3157L; EDU3217; EPH4355; HPE2005, 3005, 3006, 3376, 4305.

Physical Education Minor 24 cr

Required Courses: EDU3235, 3301; EPH4365, 4375; HPE1005, 2015, 2016, 3275, 3376, 4075.

EDUCATION

Social Studies Education Major Bachelor of Science

The Social Studies Education major is designed to prepare students to teach social studies in grades 5–12 in private and public schools. The degree is granted upon completion of credits specified on pages 48–49 (40 credits must be successfully completed in 3000- or 4000-level courses).

- **Cultural & Global Engagement** requirement in core curriculum must include EDU3209, 3209L, and 3225.
- **Scientific & Quantitative Literacy** social science course in core curriculum: PSY2108.

Education Core	34 cr
CFD3207 Adolescent Development and the Middle Level Learner . . . 2	
EDU2215 Educational Foundations 2	
EDU2215L Educational Foundations Lab 0	
EDU3209 Human Relations in a Cross-Culturally Diverse World (SEE CULTURAL & GLOBAL ENGAGEMENT REQUIREMENT ABOVE)	
EDU3209L Human Relations Lab (SEE CULTURAL & GLOBAL ENGAGEMENT REQUIREMENT ABOVE)	
EDU3215 Educational Psychology 2	
EDU3217 School Health and Drug Problems 2	
EDU3225 Educating Multilingual Learners (SEE CULTURAL & GLOBAL ENGAGEMENT REQUIREMENT ABOVE)	
EDU3235 Instructional Foundations [WCE] 3	
EDU3255 Content Area Reading 2	
EDU3285 Educating Diverse Learners 2	
EDU3285L Educating Diverse Learners Lab 0	
EDU3301 Instructional Technology I 1	
EDU3302 Instructional Technology II 1	
EDU4415 Education Ethics [OCE] 2	
EDU4835 Seminar in Professional Issues 1	
Select one of the following:	
EDU4956H Student Teaching in Social Studies Education - High School 14	
EDU4956M Student Teaching in Social Studies Education - Middle School 14	
PLACEMENT IS DEPENDENT ON PREVIOUS FIELD EXPERIENCES IN THE PROGRAM.	

Required Major Courses	42 cr
ECO2201 Principles of Economics I or	
ECO2211 Introduction to Economics and	
ECO2212 Principles of Macroeconomics 4	
GEO1005 Introduction to Geography* 2	
GEO1015 World Geography** 2	
HIS1005 Historical Perspectives on Culture, Belief, and Civilization (OR HIS1825 HONORS) (CORE CURRICULUM REQUIREMENT)	
HIS2001 United States History to 1877 4	
HIS2002 United States History since 1877 4	
ICS2045 Cultural Anthropology 4	
POS1005 Introduction to Political Science 4	
POS2005 United States National Government 4	
SOC1035 Introduction to Sociology 4	
SSE4358 Social Studies Content and Standards 2	
SSE4458 Methods of Teaching Social Studies I (Gr. 5–8) 4	
SSE4468 Methods of Teaching Social Studies II (Gr. 9–12) 4	
SSE4100M Methods of Teaching Social Studies II Lab - Middle School 0	
SSE4200H Methods of Teaching Social Studies II Lab - High School 0	

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 SEE PAGE 50 FOR EXPLANATION AND PREREQUISITES.

* GEO1007 (3 CR) MAY BE SUBSTITUTED FOR GEO1005
 ** GEO1017 (3 CR) MAY BE SUBSTITUTED FOR GEO1015

Spanish Education Major Bachelor of Arts

The Spanish Education major is designed to prepare students to teach Spanish in grades K–12 in private and public schools. The program leads to Minnesota teacher licensure for World Languages & Cultures for Spanish.[#] Students will spend one semester in Seville, Spain, as participants in the Semester in Spain* (SIS) program of Trinity Christian College, or one semester in San Jose, Costa Rica, as participants in the Students International* (SI) program. The degree is granted upon completion of credits specified on pages 48–49 (40 credits must be successfully completed in 3000- or 4000-level courses).

- **Cultural & Global Engagement** requirement in core curriculum must include EDU3209, 3209L, and 3225.
- **Creative Expression** course in core curriculum must include SPA3325.
- **Scientific & Quantitative Literacy** social science course in core curriculum: PSY2108.

Education Core	32 cr
EDU2215 Educational Foundations	2
EDU2215L Educational Foundations Lab	0
EDU3209 Human Relations in a Cross-Culturally Diverse World (SEE CULTURAL & GLOBAL ENGAGEMENT REQUIREMENT ABOVE)	
EDU3209L Human Relations Lab (SEE CULTURAL & GLOBAL ENGAGEMENT REQUIREMENT ABOVE)	
EDU3215 Educational Psychology	2
EDU3217 School Health and Drug Problems	2
EDU3225 Educating Multilingual Learners (SEE CULTURAL & GLOBAL ENGAGEMENT REQUIREMENT ABOVE)	
EDU3235 Instructional Foundations [WCE]	3
EDU3255 Content Area Reading	2
EDU3285 Educating Diverse Learners	2
EDU3285L Educating Diverse Learners Lab	0
EDU3301 Instructional Technology I	1
EDU3302 Instructional Technology II	1
EDU4415 Education Ethics [OCE]	2
EDU4835 Seminar in Professional Issues	1
EDU4986 Student Teaching in World Languages & Cultures: Spanish - Elementary	7
EDU4987 Student Teaching in World Languages & Cultures: Spanish - Secondary	7

Required Major Courses	30 cr
SPA2101 Intermediate Spanish I	4
SPA2102 Intermediate Spanish II	4
SPA3201 Spanish Grammar	4
SPA3202 Spanish Conversation and Composition [OCE, WCE]	4
ESL3315 Theory of Language Acquisition	4
LIN2226 Introduction to Linguistics	4
WLE4415 Methods and Materials for Language Teaching ^{##}	4
WLE4415L Methods Lab - Spanish Elementary	0
WLE4417L Methods Lab - Spanish Secondary	0
Select one of the following:	
SPA3335 Spanish through Service	2
SIS450 Service Learning (TRANSFER COURSE TAKEN THROUGH SIS)	2
SPN4995 International Internship in Costa Rica	2

Select one of the following tracks:

Track 1: Semester in Spain* (SIS), Seville, Spain	16 cr
SIS312 Spain of Three Cultures	4
SIS355 Spanish Literature I or SIS356 Spanish Literature II	4
SIS366 Spanish American Literature II	4
Any SIS courses	4
Track 2: Students International* (SI), San Jose, Costa Rica	16 cr
SPN3015 Mission in Latin American Contexts	4
SPN3025 Peoples and Cultures of Costa Rica	4
SPN3640 Literature and Cultures of Spanish	4
SPN4010 Advanced Spanish Grammar and Communication	4

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 SEE PAGE 50 FOR EXPLANATION AND PREREQUISITES.

[#] STUDENTS WILL SPEND ONE SEMESTER IN SEVILLE, SPAIN, AS PARTICIPANTS IN THE SEMESTER IN SPAIN* (SIS) PROGRAM OF TRINITY CHRISTIAN COLLEGE OR IN SAN JOSE, COSTA RICA AS PARTICIPANTS IN THE STUDENTS INTERNATIONAL PROGRAM.

^{##} CANDIDATES COMPLETING DUAL LICENSURE IN ESL EDUCATION AND SPANISH EDUCATION REPLACE WLE4415 WITH WLE4416 METHODS AND MATERIALS FOR ESL/WORLD LANGUAGE: SPANISH (1 CREDIT).

* SEE RELATED INFORMATION ON PAGES 20, 37–38

EDUCATION

Visual Arts Education Major Bachelor of Arts or Bachelor of Science

The Visual Arts major is designed to prepare students to teach visual art in grades K–12 in private and public schools. The degree is granted upon completion of credits specified on pages 48–49 (40 credits must be successfully completed in 3000- or 4000-level courses).

- **Cultural & Global Engagement** requirement in core curriculum must include EDU3209, 3209L, and 3225.
- **Creative Expression** courses in core curriculum must include ART1005, 1007, or 1825.
- **Scientific & Quantitative Literacy** social science course in core curriculum: PSY2108.
- **B.A. option** requires achieving 1002-level competency in an approved foreign language. See page 47.

Education Core 32 cr

EDU2215	Educational Foundations	2
EDU2215L	Educational Foundations Lab	0
EDU3209	Human Relations in a Cross-Culturally Diverse World (SEE CULTURAL & GLOBAL ENGAGEMENT REQUIREMENT ABOVE)	
EDU3209L	Human Relations Lab (SEE CULTURAL & GLOBAL ENGAGEMENT REQUIREMENT ABOVE)	
EDU3215	Educational Psychology	2
EDU3217	School Health and Drug Problems	2
EDU3225	Educating Multilingual Learners (SEE CULTURAL & GLOBAL ENGAGEMENT REQUIREMENT ABOVE)	
EDU3235	Instructional Foundations [WCE]	3
EDU3255	Content Area Reading	2
EDU3285	Educating Diverse Learners	2
EDU3285L	Educating Diverse Learners Lab	0
EDU3301	Instructional Technology I	1
EDU3302	Instructional Technology II	1
EDU4415	Education Ethics [OCE]	2
EDU4835	Seminar in Professional Issues	1
EDU4965	Student Teaching in Visual Arts Education (Elementary)	7
EDU4966	Student Teaching–Visual Arts Education (Secondary)	7

Foundations 8 cr

ART1011	Drawing I	4
ART1035	Design Concepts	4

History and Theory 10 cr

ART3162	19th and 20th Century Art History	2
ART3267	Themes in Art History [WCE]	4
ART3265	Art Since 1945	2
Select one of the following:		
ART3365	Aesthetics	2
ART3806	Topics in Art History	2

Methods 4 cr

EAR4345	Art Methods for Elementary Teachers	2
EAR4345L	Art Methods for Elementary Teachers Lab	0
EAR4465	Art Methods for Secondary Art Teachers	2
EAR4465L	Art Methods for Secondary Art Teachers Lab	0

Required Production 14 cr

ART2021	Print I	3
ART2031	Painting I	3
ART2048	Ceramics I	3
ART2251	Sculpture I	3
DES1031	Introduction to Layout	2

Advanced Studio 6 cr

Select one of the following:		
ART3243	Ceramics II	3
ART3253	Sculpture II, III, IV	3
Select one of the following:		
ART3223	Print II, III, IV	3
ART3233	Painting II, III, IV	3

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Special Education Minor 20 cr

The Special Education minor provides foundational preparation for working with special populations of students labeled within the categories of EBD (Emotional Behavioral Disorders) or SLD (Specific Learning Disabilities). The minor does not lead to full teacher licensure in these areas. Students completing the minor need to continue their studies on a graduate level in order to fully qualify for licensure as a special education teacher.

Required Courses: EDU2215, 2215L, 3285, 3285L; SPD2215, 2215L, 3215, 3218, 4315, 4415, 4415L.

Students who are not education majors may complete a special education minor for non-school settings. Students choosing this option must complete an application and submit it to the School of Education office prior to enrolling in any SPD courses. A minimum cumulative GPA of 2.50 and an advisor's recommendation are required for admission to the minor. Students completing the non-school minor replace SPD4415 and SPD4415L with SPD4425 and SPD4425L.

School of NURSING

Mission Statement

The School of Nursing seeks to provide Christ-centered, biblically based, service-focused nursing education, equipping individuals with the skills and abilities required of professional nurses to effectively serve Christ and to assume servant-leadership roles while providing ministry and service to humankind. The Bachelor of Science in Nursing (BSN) pre-licensure program provides a strong foundation in biblical studies, liberal arts and the sciences.

BSN Graduate Competencies

The following competencies are threaded throughout the curriculum – progressing from awareness, recognition and beginning application, to application and performance, to proficiency. The competencies are guided by the curricular framework, program, term, course and clinical outcomes.

- Biblically Based Christian Worldview
- Global Perspective
- Patient-Centered Care
- Interprofessional Collaborative Practice
- Clinical Reasoning and Professional Judgment
- Promote Health/Prevent Disease/Address Healthcare Needs
- Professional Development
- Christian Character/Professional Values
- Skills/Abilities of a Professional Nurse Generalist
- Safety/Quality of Care and Accountability

The Bachelor of Science in Nursing (BSN) pre-licensure program is granted approval from the Minnesota Board of Nursing. Nursing Major candidates who have completed all program, credit and degree requirements will be recommended for the candidate's licensure (NCLEX-RN®)

The baccalaureate degree program in nursing at University of Northwestern – St. Paul is accredited by the Commission on Collegiate Nursing Education (www.ccnaccreditation.org).

ADMISSION TO THE NURSING MAJOR

The application process to the School of Nursing is competitive. Through the application portal, the student can access the School of Nursing application to the University of Northwestern, St. Paul School of Nursing. Applications are taken year-round. Applications will be considered up to one month prior to a cohort launch as a result of necessary clinical on-boarding requirements. Applicants will be notified on a first-come-first-served basis until all vacant positions are filled. Qualified students unable to be placed will be put on a waiting list and will be notified when a position becomes available. Candidates will be screened carefully for acceptance into the program and for best placement in either the accelerated or traditional path. The School of Nursing will give consideration into each candidate's preference when determining placement into the accelerated or traditional path. Because space is limited, not all candidates are guaranteed acceptance into the School of Nursing, or into their preferred path. Qualified candidates with more credits from UNW will be given higher consideration over those with fewer credits from this institution.

In order to be considered a qualifying candidate for the School of Nursing, the following minimum criteria must be met:

1. Acceptance to University of Northwestern – St. Paul, meeting all admission requirements (i.e., completed application and official transcripts).
2. Currently enrolled in or successful completion (with a grade of C or higher) of all pre-requisite courses (BIO3145/3145L; BIO3157/3157L; BIO3158/3158L; CHE1021/1021L; ENG1105; MAT-prefix course; PHI2016; PSY2108) or their equivalents as approved by the appropriate Academic Department Chair and/or Registrar. All prerequisite courses or their equivalents must be completed by the start of Term 1 of the nursing program.
3. Currently enrolled in or successful completion of core curriculum courses. Students may enter the program with up to 15 remaining credits from non-prerequisite courses. All supporting courses and core curriculum courses must be completed by the end of Term 3.
4. High school students who have a cumulative GPA of at least 3.75 on a 4.00 scale will be considered for early admission. The TEAS Entrance Examination is waived for early admission students.
5. Consideration will be given to those with a cumulative GPA of at least 2.75 (on a 4.00 scale) based upon all courses taken and a satisfactory score on the TEAS Entrance Examination (score of 65% or higher). Exceptional applicants will be given highest preference, pending availability, having a cumulative GPA of 3.75 or higher and a TEAS score above 80.

In order to be accepted into the School of Nursing, the following criteria must be fulfilled, demonstrating the highest of excellence:

1. Completed School of Nursing application to the University of Northwestern – St Paul School of Nursing. The student will receive provisional acceptance to the School of Nursing. Once all requirements are approved, the student will be entered into the School of Nursing.
2. Clearance letter – from DHS NetStudy 2.0 (Department of Human Services Background Check) and National Background Check.
3. Completed School of Nursing forms:
 - a. Health Clearance
 - b. Documentation of all immunizations
 - c. Background Disclosure
 - d. Release Agreement
 - e. Agreement to Program Policies
 - f. Student Confidentiality Agreement
4. Basic Life Support (BLS) Certification for Healthcare Professionals.
5. Satisfactory scores on the TEAS entrance exam.
6. Satisfactory personal interview conducted by faculty from the Nursing's Admission and Progression Committee, demonstrating suitability for the nursing profession.
7. A positive recommendation by the School of Nursing's Admission and Progression Committee.

NURSING

8. Submission of Letter of Intent will be submitted through the application portal.
9. Attendance at all scheduled orientations for University of Northwestern – St. Paul and School of Nursing.

RETENTION IN THE NURSING PROGRAM

Retention in the Nursing Program is based on the following:

1. Maintain a cumulative GPA of at least 2.75.
2. Maintain a GPA of at least 2.75 in the major.
3. Meet all minimum grade requirements as defined in the university catalog and the School of Nursing Handbook.
4. Abide by established university and school policies on academic integrity and upholding community and professional standards.
5. Maintain all student health clearance/immunization requirements, BLS requirement and criminal background screening, with supporting documentation demonstrating current records.

If the appropriate GPAs are not maintained, consideration may be given by the School of Nursing to place the student on probation, dismiss the student from the nursing program, or to counsel the student into another program area.

A nursing course (NUR prefix) may only be repeated one time. This includes whether the student failed or withdrew from the course (“W” notation on transcript). Upon failing or withdrawing from a nursing course during the second attempt, the student will immediately be dismissed from the School of Nursing. Dismissed students are required to meet with the Chief Nurse Administrator for a scheduled exit interview.

Only two (2) nursing courses (NUR prefix) may be repeated. The student who fails or withdraws from a third nursing course will immediately be dismissed from the School of Nursing. Dismissed students are required to meet with the Chief Nurse Administrator for a scheduled exit interview.

A student who has failed one or more nursing course(s) (NUR prefix) in a term, must write a letter to the Admission and Progression Committee of the School of Nursing, notifying of 1) their intent to continue in the nursing program; 2) their preferred term to repeat the nursing course(s); and 3) strategies taken to ensure success in the repeated course(s). The Admission and Progression Committee of the School of Nursing will make final decisions on placement of students who need to repeat nursing course(s).

All nursing courses (NUR prefix) must be repeated successfully prior to taking other nursing courses. A student must have completed all NUR courses from term 1 to enter term 2, all NUR courses and BIO 3159 from term 2 to enter term 3, and all NUR courses from term 3 to enter term 4 nursing courses.

All supporting courses and core curriculum courses must be completed by the start of Term 4 of the Nursing program. Failure to meet sequential progression requirements will delay progression of the student within the Nursing program according to the curriculum plan.

The Admission and Progression Committee of the School of Nursing and/or the Chief Nurse Administrator will make final decisions in dismissal cases. All dismissal cases may be appealed.

FOR FURTHER DETAILS REGARDING ADMISSION AND PROGRESSION IN THE BACCALAUREATE OF SCIENCE IN NURSING (BSN) PRE-LICENSURE PROGRAM, SEE THE UNIVERSITY OF NORTHWESTERN NURSING STUDENT HANDBOOK.

READMISSION IN THE NURSING PROGRAM

A student who wishes to be readmitted to the nursing program after a formal withdrawal, having completed a scheduled exit interview with the Chief Nurse Administrator, must reapply to the School of Nursing for consideration of admission. Any student readmitted to the program will be required to:

- Meet university and program admission criteria prior to readmission.
- Have a cumulative GPA of at least 2.75 on a 4.00 scale.
- Demonstrate a satisfactory level of knowledge from prerequisite nursing courses.
- Demonstrate successful competency of safe and accurate medication calculations and administration (if applicable).
- Demonstrate successful competencies in all clinical skills previously taken (Fee).

A readmitted student will be expected to meet graduation requirements in effect at the time of readmission and to follow the School of Nursing’s program policies in effect for that academic year.

Students may appeal decisions made to the School of Nursing’s Admission and Progression Committee with the concurrence or recommendation of the academic advisor or course instructor. Decisions on appeal requests are the responsibility of the Admission and Progression Committee and may be approved or denied based on individual circumstances and an evaluation of the request.

APPEALS PROCESS**SCHOOL OF NURSING ACTIONS**

The School of Nursing Appeals Committee will consider academic matters concerning the relationship between nursing students and the School of Nursing. Examples of academic matters which the committee will consider are listed below:

- Admission to the nursing program
- Dismissal from the School of Nursing program
- Actions of the Admission and Progression Committee

Detailed information about the appeals process is available in the School of Nursing Student Handbook.

NCLEX-RN® EXAMINATION AND APPLICATION FOR LICENSURE

Completion of the Bachelor of Science in Nursing (BSN) pre-licensure program is a necessary requirement for, but does not guarantee eligibility to take the NCLEX-RN® Examination. Please refer to the appropriate state board of nursing where licensure is desired, for full eligibility requirements. The board of nursing decides on candidate eligibility to take the NCLEX-RN® Examination. Links to all boards of nursing websites and contact information is available through the National Council of State Boards of Nursing’s (NCSBN) website: ncsbn.org. NCSBN also provides general information about the NCLEX-RN® examination, including its development and information regarding examination administration.

CRIMINAL OFFENSES

According to Minnesota Statute 135A.157, students need to be aware “...that arrests, charges, or convictions of criminal offenses may limit employment possibilities in specific careers and occupations [such as the nursing profession] and may limit their ability to obtain federal, state, and other financial aid...” For more information regarding the nursing profession within the state of Minnesota, please contact the Minnesota Board of Nursing.

Nursing Bachelor of Science in Nursing

The Bachelor of Science in Nursing (BSN) major is a pre-licensure program that prepares students for the candidate's licensure examination, known as NCLEX-RN®. There are two paths within the nursing program: the accelerated path and the traditional path. Both paths have the same content and a mix of traditional, transfer, and post baccalaureate students (i.e., students who hold a bachelor's degree in another field from an accredited institution of higher learning).

The degree for traditional undergraduate students is granted upon the completion of credits specified below and on pages 48–49 (40 credits must be successfully completed in 3000- or 4000-level courses).

NOTE: Due to the rigorous nature of the program, students are strongly encouraged to limit outside employment while enrolled.

The following must be completed before beginning the Nursing program:

All designated core curriculum courses as outlined in the curriculum plan.

All prerequisite courses or their equivalents (minimum grade of C required):

BIO3145/3145L, BIO3157/3157L, BIO3158/3158L, CHE1021/1021L, ENG1105, MAT-prefix course, PHI2016, PSY2108

Traditional Undergraduate Specific Core Curriculum Courses

- Students in the Accelerated track may enter the program with up to 10 remaining credits from non-prerequisite courses.
- Students in the Traditional track may enter the program with up to 14 remaining credits from non-prerequisite courses.
- All supporting courses and core curriculum courses must be completed by the end of Term 3.
- Leadership & Professionalism course in core curriculum: NUR4316 instead of LDR4425.
- Theological Philosophy course in core curriculum: PHI2016
- Scientific & Quantitative Literacy courses in core curriculum: natural science course BIO1011/1011L; social science course PSY2108

Pre-Nursing Science Courses. 16 cr

Minimum grade of C required in BIO3145, BIO3157, BIO3158, and CHE1021.

BIO3145/3145L	Microbiology . . . . .	.4
BIO3157/3157L	Human Anatomy . . . . .	.4
BIO3158/3158L	Human Physiology . . . . .	.4
CHE1021/1021L	Principles of Chemistry I . . . . .	.4

Nursing and Support Courses. 59 cr

Minimum grade of C required in all NUR courses and BIO3159.

Term 1

NUR2215	Professional Nursing: Called to Serve	2
NUR2216	Assessment & Communication Strategies for Service	4
NUR2217	Serving through Interprofessional Collaboration	2
NUR2218	Foundational Adult Care Services	6
Core curriculum course: (2–4 cr)		

Term 2

BIO3159	Pathophysiology	4
NUR3215	Pharmacology and Therapeutic Services	3
NUR3216	Advanced Adult Care Services	8
Core curriculum course: (2 cr)		

Term 3

NUR3315	Infant Child Family Care Services	6
NUR3316	Psychiatric-Mental Health Care Services	3
NUR3317	Serving Transcultural Populations	4
(TRADITIONAL STUDENTS MAY APPLY THIS COURSE TO THE CULTURAL & GLOBAL ENGAGEMENT REQUIREMENT IN CORE CURRICULUM)		
Core curriculum course: (2–4 cr)		

Term 4

NUR4310	Business Finance for Healthcare Services	2
NUR4315	Evidence-Based Services	3
NUR4316	Service Leadership & Management	2
NUR4317	Community and Population-Based Care Services	4
NUR4318	Synthesis of Care Services	3
NUR4319	NCLEX-RN Preparation for Service	3
(last 4 weeks of the Term)		

Post-Baccalaureate Program

Post-Baccalaureate Required Core Curriculum Courses (22–24 credits)

BIA1007	Christian Thinking & Living (or BIB1826 Honors)	2	ENG1105	Composition	4
BIA1015	Interpreting Scripture (or BIA1827 Honors)	2	MAT-prefix course	. . . . .	2-4
BIB4360	Systematic Theology (or BIB4825 Honors) or		PHI2016	Ethics	4
BIB4365	Historical Theology or BIB4460 Biblical Theology	4	PSY2108	Lifespan Psychology	4
LDR3415	The Self-aware Leader	0-2			

Minimum grade of C required in ENG1105, MAT-prefix course, PHI2016, and PSY2108.

BIBLICAL & THEOLOGICAL STUDIES

Department of **BIBLICAL & THEOLOGICAL STUDIES**

Mission Statement

The Department of Biblical & Theological Studies seeks to equip students for ministry and Christian living by studying what the Bible says, learning how to interpret and apply it, and thinking about theological, philosophical, and ethical issues from a biblical perspective.

The department further specializes in advanced training for students who want to excel in biblical studies, theology and philosophy.

The Department of Biblical & Theological Studies offers the following degree programs: Bachelor of Arts in Biblical and Theological Studies, Bachelor of Arts in Philosophy, and an Accelerated B.A./Master of Arts in Theological Studies (MATS). Students may add a minor in Ancient and Classical Languages, Bible, Philosophy, or Science and Theology. A Certificate in Bible, a second major in Bible, and an Associate of Arts & Bible are also available.

Zondervan/University of Northwestern Awards

With the intent of inspiring students in their studies, Zondervan Publishing House initiated annual award programs to recognize outstanding achievement in the study of biblical Greek, biblical Hebrew and theology. University of Northwestern has entered into a participation agreement with Zondervan, according to which the Biblical & Theological Studies Department establishes selection criteria and the university presents these awards at the yearly Honors Convocation. The winners receive the prize of a Zondervan product, a commemorative item and the recognition of having his/her name engraved on a perpetual plaque displayed in the Berntsen Library. Northwestern has an additional Ancient & Classical Languages Award for an advanced language student each year. For more information, contact the chairperson of the Department of Biblical & Theological Studies.

Accelerated/Dual Degree Graduate Program

Undergraduate students in our department may apply to add a graduate degree with as little as one additional year of study.

Accelerated MATS

The department offers an accelerated pathway from the Biblical and Theological Studies major into the Master of Arts in Theological Studies (MATS). Students will save time and tuition by integrating two existing programs. Overlapping credits are applied toward both the undergraduate degree and graduate degree. Students complete 14 credits of graduate coursework within their undergraduate major. After graduating with their B.A. degree, students then complete the remaining 22 graduate credits in the evening or online. Accelerated graduate program requirements are listed following the Biblical and Theological Studies major description.

This B.A./MATS program is designed to prepare men and women for ministry in a church, para-church, or academic setting. Students complete advanced courses in theological methods, biblical interpretation, theology, and biblical languages.

The program may culminate with the writing of an optional thesis guided by a faculty mentor that contributes to one of three fields of study: Old Testament Studies, New Testament Studies, or Theological Studies. By the end of this program, students will have improved skills in research, critical thinking, project management, and writing. This preparation is especially helpful for students who are considering doctoral studies.

The total program requires 147 credits (125 credits for the B.A., 22 remaining credits for the MATS). Upon completion of all undergraduate requirements, the B.A. in Biblical & Theological Studies is awarded. This B.A. degree must be completed prior to enrollment in the MATS program. Upon completion of the remaining graduate requirements, the MATS degree is awarded. B.A. requirements are specified on pages 48–49 (40 credits must be successfully completed in 3000- or 4000-level courses).

Policies

Students wishing to enroll in the accelerated M.A. in Theological Studies program must first be admitted to UNW and then apply for the accelerated program through the Biblical & Theological Studies Department during or after their sophomore year. Graduate-level courses taken within the undergraduate program must be completed with a grade of C or better in order to fulfill graduate degree requirements. Upon completion of the undergraduate degree, students apply to Graduate Studies and then complete the remainder of their graduate degree. Requirements for the MATS are listed in the graduate school catalog.

Biblical & Theological Studies Major Bachelor of Arts

The Biblical & Theological Studies major is designed to provide in-depth study and preparation in Bible and related areas and subjects. It is intended for students who wish to pursue graduate studies in preparation for teaching, for those who desire a solid pre-seminary program, or for persons who wish to gain a high proficiency in biblical studies. The degree is granted upon completion of credits specified on pages 48–49 (40 credits must be successfully completed in 3000- or 4000-level courses).

- **Biblical Thinking & Living** theology requirement in core curriculum: BIB4360 or 4825.

Required Courses	28 cr
BIB4365 Historical Theology	4
BIB4460 Biblical Theology	4
BIB4835 Seminar in Theological Method [OCE]	4
BIA3235 Second Temple Judaism	4
BIA3236 Biblical Customs and Geography	4
BIA4837 Seminar in Exegetical Method [WCE]	4
HIS3125 History of the Christian Church from Apostolic Times to the Present	4

Select from the following	10 cr
Courses with ACL, BIA, BIB, or PHI prefixes*	

Foreign Language	12 cr
ACL2001 Elementary Greek I	4
ACL2002 Elementary Greek II	4
ACL3201 Intermediate Greek I	4

WCE = WRITTEN COMMUNICATION EMPHASIS.
 OCE = ORAL COMMUNICATION EMPHASIS.
 SEE PAGE 50 FOR EXPLANATION AND PREREQUISITES.

* MAY NOT INCLUDE COURSES USED TO MEET CORE CURRICULUM REQUIREMENTS.

Course Requirements for Accelerated Biblical and Theological Studies/MATS

Students who are accepted into the accelerated MATS program will substitute the following graduate-level courses into the undergraduate degree to fulfill major or core curriculum requirements.

- **Biblical Thinking & Living** theology requirement in core curriculum: BIB4360 or 4825.

Undergraduate Courses	14 cr
BIA4837 Seminar in Exegetical Method [WCE]	4
Theological Philosophy (core curriculum)	2
BIB4460 Biblical Theology	4
HIS3125 History of the Christian Church from Apostolic Times to the Present	4

Graduate Courses	14 cr
BIA5015U Biblical Hermeneutics [WCE]	4
BIA5021U Apologetics	2
BIB6312U Biblical Theology of the Old and New Testaments	4
HIS5019U History of Christianity	4

Foreign Languages	8 cr
ACL2011 Classical Hebrew I	4
ACL2012 Classical Hebrew II	4

Ancient & Classical Languages Minor 16 cr

Required Courses: ACL3201, 3202; 8 additional credits of courses with ACL prefix excluding ACL2001 and 2002.

Science and Theology Minor 20 cr

Required Courses:

- Two courses (8 credits) with BIO, CHE, PHY, or SCI prefix
- 8 credits selected from BIA/BIB prefix (2–4 credits); BIO4841 (2–4 cr); BIO4995 (2–4 credits); PHI3035; PHI3805 (Topics); SCI1008/1008L; one additional BIO-, CHE-, PHY-, or SCI-prefix course (4 credits)
- SCI3037

BIBLICAL & THEOLOGICAL STUDIES

Bible (Second Major)

This is not a stand-alone major and exists only and explicitly as a second major for current Traditional Undergraduate and Dual Enrollment students. See page 46.

Required Courses **30 cr**

BIA1007	Christian Thinking & Living (or BIB1826 Honors)	.2
BIA1015	Interpreting Scripture (or BIA1827 Honors)	.2
BIB2005	Survey of the Old Testament (or BIB2827 Honors)	.4
BIB2008	Survey of the New Testament (or BIB2826 Honors)	.2
	Theological Philosophy (see page 43)	.4
	Bible Exposition (see page 42)	10

Select one of the following:

BIB4360	Systematic Theology (or BIB4825 Honors)	.4
BIB4365	Historical Theology	.4
BIB4460	Biblical Theology	.4

Students may apply 2 credits from the following Leadership (LDR) courses or select 2 additional credits with any BIB or BIA prefix.

LDR1015	Leadership for Transformation (or LDR1825 Honors)	or
LDR1011	Spiritual and Personal Formation for Leadership	and
LDR2112	Relational and Cultural Awareness in Leadership	.4
LDR4425	Leading with Courage and Calling (or LDR4825 Honors)	.2

Bible Minor **16 cr**

Required Courses: BIA1007 (or BIA1826); BIA1015 (or BIA1827); BIB2005 (or BIB2827); BIB2008 (or BIB2826); Theological Philosophy course (see page 43) (2 cr); BIB4360 (or BIB4825) or BIB4365 or BIB4460.

Philosophy Major Bachelor of Arts

The Philosophy major is designed to develop capacities and desires for sustained and careful thinking about fundamental questions regarding the world and life and for extended critical conversation regarding others' worldviews, the truth of basic beliefs and logical relations between beliefs. It is also designed to develop a set of skills needed for these. All of this is rooted in a background of historic Christian theology, in particular the basic truth that God is acting according to plan for his purpose in Christ. Students completing this major will, therefore, possess intellectual abilities important for life as a whole, beyond the knowledge and skills required for any particular profession. The degree is granted upon completion of credits specified on pages 48–49 (40 credits must be successfully completed in 3000- or 4000-level courses).

- **Theological Philosophy** requirement in core curriculum: PHI2055.

Required Courses **24 cr**

PHI2006	Fundamentals of Logic	.2
PHI2016	Ethics	.4
PHI2055	Introduction to Theological Philosophy (SEE THEOLOGICAL PHILOSOPHY REQUIREMENT ABOVE)	
PHI3025	God and Philosophy [WCE]	.4
PHI3035	Metaphysics	.2
PHI3057	Christian Apologetics	.2
PHI3145	The Nature of Knowledge [OCE]	.2
PHIX805	Topics in Philosophy or	
PHI2825	Honors Topics in Philosophy	.4

Select two of the following:

PHI3011	History of Philosophy: Ancient	.2
PHI3012	History of Philosophy: Medieval	.2
PHI3013	History of Philosophy: Modern	.2
PHI3014	History of Philosophy: Contemporary	.2

Select from the following **8 cr**

Must select at least one PHI-prefix course

Any course with PHI prefix*

ART3365	Aesthetics	.2
BIB4835	Seminar in Theological Method	.4
LTH4155	Literary Theory	.2
PSY4306	History and Philosophy of Psychology	.4
SCI3037	Science and Theology	.4

Foreign Language **8 cr**

Must achieve second semester of first-year language sequence or higher. See page 47.

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SEE PAGE 50 FOR EXPLANATION AND PREREQUISITES.

*MAY NOT INCLUDE COURSES USED TO MEET CORE CURRICULUM REQUIREMENTS

Philosophy Minor **16 cr**

Required Courses: Select 16 credits from PHI-prefix courses.

Associate of Arts & Bible (60–62 cr)

The Associate of Arts and Bible program is designed to prepare the graduate for transfer to an upper-level degree program at Northwestern or another institution. The degree is granted upon completion of 60 credits as specified here. Students complete credits from Northwestern's Core Curriculum with a focus on biblical studies.

Biblical Thinking & Living	20 cr	Critical Thinking & Information Literacy	2 cr
BIA1007 Christian Thinking & Living (or BIB1826 Honors)	2	ENG2205 Critical Thinking & Writing (or ENG2825 Honors)	2
BIA1015 Interpreting Scripture (or BIA1827 Honors) or			
MIN2016 Biblical Interpretation for Study	2	Cultural & Global Engagement	6-7 cr
BIB2005 Survey of the Old Testament (or BIB2827 Honors)	4	HIS1005 Historical Perspectives on Culture, Belief, & Civilization	
BIB2008 Survey of the New Testament (or BIB2826 Honors)	2	(or HIS1825 Honors or HIS1826 Honors) and, if required,	
Theological Philosophy (select from list on page 43)	2	HIS1005L Historical Perspectives Lab	4-5 cr
Select one of the following:		Approved Cultural & Global Engagement Course or Modern	
BIB4360 Systematic Theology (or BIB4825 Honors)	4	World Language (select from list on page 43)	2
BIB4365 Historical Theology	4		
BIB4460 Biblical Theology	4	Creative Expression	4 cr
Select additional BIB, BIA, or ACL credits.	4	Art, Music, Theater, Film, Literature (select from list on page 43)	
		A MAXIMUM OF 2 CREDITS IN MUSIC ENSEMBLES OR THE1045 MAY APPLY	
Leadership & Professionalism	4 cr	Scientific & Quantitative Literacy	8 cr
LDR1015 Leadership for Transformation (or LDR1825 Honors) or		Mathematics, Natural Science, Social Science (select from list on	
LDR1011 Spiritual and Personal Formation for Leadership and		page 43)	
LDR2112 Relational and Cultural Awareness in Leadership.	4	MUST INCLUDE AT LEAST ONE MATHEMATICS AND ONE NATURAL SCIENCE COURSE	
Effective Communication	7-8 cr	Selectives	9 cr
ENG1105 Composition (or ENG1825 Honors) and, if required,		Select any 1000-level or higher courses to bring the total credits	
ENG1105L English Composition Lab or		earned to at least 60.	
LAN1105L English Composition Lab	4-5		
SPE1075 Public Speaking (or SPE1825 Honors)	3		

Certificate in Bible (30 cr)

The certificate in Bible is designed for those desiring concentrated training in the Word of God. It assists students to become established in the faith, rooted and grounded in the Word and fortified with answers to humanity's primary questions regarding life's purpose and destiny. It provides tools for continuing Bible study and for effective Christian witness. It is of value to professionals seeking a concentrated study of the Bible to support both personal and professional ministry roles.

Required Competency

Competency in reading and composition must be demonstrated in one of four ways. Any credits earned to demonstrate competency do not count as part of the 30 credits needed for the certificate.

1. By English coursework successfully completed at another college or university
2. By scoring high enough on a CLEP English composition examination to qualify for ENG1105 credit according to University of Northwestern credit-by-exam criteria.
3. By an ACT English or ACT English/Writing score of 25 or higher or an SAT Writing and Language score of 32 or higher.
4. If none of the above methods apply, by completing ENG1105* (or ENG1825 Honors). Additionally, as student may be required to complete RDG0009 and/or ENG0009.

Required Courses 30 cr

BIA1007 Christian Thinking & Living (or BIB1826 Honors)	2
BIA1015 Interpreting Scripture (or BIA1827 Honors)	2
BIB2005 Survey of the Old Testament (or BIB2827 Honors)	4
BIB2008 Survey of the New Testament (or BIB2826 Honors)	2
Theological Philosophy (see page 43)	4
Bible Exposition (see page 42)	10
Select one of the following:	
BIB4360 Systematic Theology (or BIB4825 Honors)	4
BIB4365 Historical Theology	4
BIB4460 Biblical Theology	4
Students may apply 2 credits from the following Leadership (LDR) courses or select 2 additional credits with any BIB or BIA prefix.	
LDR1015 Leadership for Transformation (or LDR1825 Honors) or	
LDR1011 Spiritual and Personal Formation for Leadership and	
LDR2112 Relational and Cultural Awareness in Leadership.	4
LDR4425 Leading with Courage and Calling (or LDR4825 Honors)	2

CHRISTIAN MINISTRIES

Department of **CHRISTIAN MINISTRIES**

Mission Statement

Ministry has always been vital to the purpose and mission of University of Northwestern. The Department of Christian Ministries prepares students to serve in a variety of positions in North America or overseas and/or for seminary and other graduate education. Our strength is in the diversity of our faculty and the varied and extensive ministry experiences they bring into the classroom.

The mission of the department is to prepare leaders to carry out Christian ministry from a biblical worldview to a multicultural world. To this end the department seeks to help individuals to (1) understand God and self, (2) understand people in community, and (3) understand, design, and implement Christian ministry.

The department offers the following five majors: Intercultural Studies, Ministry, Nonprofit Leadership, Pastoral Ministry, and Youth Studies. We also offer a variety of concentrations, including Camping Ministry, Chinese Language, Cross-Cultural Ministry, English Language Teaching, International Teaching, Media Ministry, Ministry, Next Generation Ministry, Nonprofit Leadership, Social Justice, Spanish Language, Worship and Creative Arts, Youth and Emerging Adult Ministry, and Youth Studies.

Accelerated/Dual Degree Graduate Programs

Undergraduate students in our department may apply to add a graduate degree with as little as one additional year of study.

Accelerated MAML

The department offers accelerated pathways from all five undergraduate majors into the Master of Arts in Ministry Leadership (MAML). In this accelerated program, students complete 12–16 credits of graduate coursework within their undergraduate major. After graduating with their B.S./B.A. degree, students then complete the remaining 20–24 credits through online or blended coursework to finish the M.A. degree. Through this accelerated program, students save time and money in their pursuit of a graduate degree. When completing the MAML, students are encouraged to pursue a concentration in a variety of fields, including biblical and theological studies, leadership, or practical ministry. Accelerated graduate program requirements are listed following each major description.

Accelerated M.Div.

The department also offers an accelerated/dual degree leading to an undergraduate major in Pastoral Ministry (B.S./B.A.) and a Master of Divinity (M.Div.) degree, a standard graduate degree for those pursuing pastoral ministry. This streamlined program saves time and money for pastoral students, reducing the typical 7 years of coursework to as little as 5 years. Qualified undergraduate students who are accepted into this program during their sophomore year complete up to 50% of the M.Div. degree within their undergraduate program. The remaining graduate degree courses are completed after graduating with the bachelor's degree. When completing the Master of Divinity, students are encouraged to pursue a concentration in Theological Studies, Organizational Leadership, Human Services, Educational Studies, or Clinical Pastoral Education. The accelerated M.Div. program requirements are listed following the Pastoral Ministries major description.

Policies

Students wishing to enroll in the accelerated M.A. in Ministry Leadership or Master of Divinity program must first be admitted to UNW and then apply for the accelerated program through the Christian Ministries Department during or after their sophomore year. Graduate-level courses taken within the undergraduate program must be completed with a grade of C or better in order to fulfill graduate degree requirements. Upon completion of the undergraduate degree, students apply to Graduate Studies and then complete the remainder of their graduate degree. Requirements for the MAML and M.Div. are listed in the graduate school catalog.

Intercultural Studies Major Bachelor of Arts or Bachelor of Science

The Intercultural Studies major is designed to promote interest in and develop skills for intercultural work/ministry both in North America and overseas. The degree is granted upon completion of credits specified on pages 48–49 (40 credits must be successfully completed in 3000- or 4000-level courses).

- **Biblical Thinking & Living** requirement of BIA1015 or BIA1827 in the core curriculum must be fulfilled by MIN2016.
- **Cultural & Global Engagement** requirement in the core curriculum fulfilled by ICS4025.
- **Scientific & Quantitative Literacy** social science course in core curriculum: ICS2045.
- **MUH3106** is a suggested Creative Expression course in core curriculum.
- **B.A. option** requires achieving 1002-level competency in an approved foreign language. See page 47.

Major Core 24–26 cr

ICS1008	Introduction to Missions	2
ICS2015	World Religions	4
ICS2045	Cultural Anthropology (SEE SCIENTIFIC & QUANTITATIVE LITERACY REQUIREMENT ABOVE)	
ICS3005	Human Global Migration	2
ICS3107	Biblical Theology of Mission [WCE]	2
ICS3206	Intercultural Teamwork	2
ICS4025	Culture, Change, and Worldview [OCE] (SEE CULTURAL & GLOBAL ENGAGEMENT REQUIREMENT ABOVE)	
ICS4225	Intercultural Studies Research Methods	2
MIN2016	Biblical Interpretation for Study (SEE BIBLICAL THINKING & LIVING REQUIREMENT ABOVE)	
MIN3216	Leadership in Ministry.	4

Internship Core 4–6 cr

ICS4490	ICS Internship Orientation.	0–1
ICS4495	ICS Internship Debriefing	0–1
ICS4991	Intercultural Studies Internship I	2
ICS4992	Intercultural Studies Internship II	2

Note: SIA4995 or SPN4995 fulfills ICS4991 and ICS4992. Students completing a preapproved study abroad* program may petition the department to have ICS Internship requirements fulfilled through their experience. Students may be asked to complete ICS4495.

* SEE RELATED INFORMATION ON PAGES 20, 37–38

Concentration 12 cr

Note: None of the courses used to satisfy core curriculum requirements may be applied to the concentration, and vice versa.

Select a concentration. Requirements are listed below. Students desiring credit for additional internship experiences are encouraged to take ICS4993/ICS4994.

General Concentration (12 cr)

Complete an individualized group of interrelated courses in consultation with the academic advisor including any combination of courses with the prefix ESL, ICS, LIN, MIN, YOU, ACC2015, FIN2025, DES2111, or MEP1013. Other courses may be approved by the department chair. Recommend including MIN1643-1644. Students seeking to double major may want to consider declaring a General Concentration.

Chinese Language Concentration (12 cr)

CHN1001	Beginning Chinese I	4
CHN1002	Beginning Chinese II.	4
Concentration Electives		4
Selected from courses with CHN, ESL, ICS, LIN, MIN, or YOU prefix; HIS3155.		

Cross-Cultural Ministry Concentration (12 cr)

MIN1007	Ministry Foundations	4
Select one of the following:		
MIN3218	Teaching Methods in Ministry	4
MIN4306	Preaching and Worship	4
Select 2 credits from the following:		
ICS2005	Evangelism and Discipleship	2
ICS3016	Understanding Islam.	2
ICS3065	Introduction to Teaching English as a Foreign Language	2
ICS3067	Social Justice.	2
ICS3068	Relief and Development	2
ICS3069	Business as Mission	2
Concentration Electives		2
Selected from courses with ESL, ICS, MIN, or YOU prefix; ACC2015, DES2111, FIN2025, or MEP1013.		

English Language Teaching Concentration (12 cr)

Note: Students in this track must take LIN2226 in the Major Core.		
ICS3065	Introduction to Teaching English as a Foreign Language	2
ENG3125	Structure of English Grammar	4
ESL3315	Theory of Language Acquisition	4
Concentration Electives		2
Selected from courses with CHN, ESL, ICS, MIN, SPA, or YOU prefix; ACC2015, DES2111, FIN2025, or MEP1013.		

CHRISTIAN MINISTRIES

International Teaching Concentration (12 cr)

(**Note:** ESL Double Majors choose this concentration.)

- EDU2215 Educational Foundations 2
- EDU2215L Educational Foundations Lab 0

Note: The following EDU courses require consent from the School of Education:

- EDU3235 Instructional Foundations 3
- EDU3285 Educating Diverse Learners 2
- EDU3285L Educating Diverse Learners Lab 0
- EDU3301 Instructional Technology I: Foundations of Instructional Technologies 1

Select 4 credits from the following:

- CFD3205 Child Development 4
- CFD3205L Child Development Lab 0
- CFD3207 Adolescent Development and the Middle Level Learner 2
- CFD3309 Facilitating Learning and Development in Young Children 4
- MIN3045 Developmental Foundations for Ministry 4
- MIN3226 Family Studies 2
- PSY2108 Lifespan Psychology 4

Note: Students may want to consider adding a Child Development, Ministry, or Special Education minor.

Media Ministry Concentration (12 cr)

- MEP1016 Story Structure 4

Select one of the following:

- MEP1012 Audio Production 3
- MEP1013 Video Production 4

Select two enrollments from the following:

- MEP2625–2627, 4625–4627 0–2

Concentration Electives 2–5

Selected from courses with COM, ICS, MEP, MIN, PRL, or YOU prefix; ACC2015, DES2111, ENG3249, ENG3316, or FIN2025.

Nonprofit Leadership Concentration (12 cr)

- ACC2015 Foundations of Accounting & Finance 2
- ICS3069 Business as Mission 2
- LDR3060 Foundations of Nonprofit Leadership 2

Select 4 credits from the following:

- ENG3248 Grant Writing 2
- MGT2271 Management 4
- MGT3255 Human Resource Management 2
- MKT1085 Principles of Marketing 4
- PRL3035 Nonprofit PR 2

Concentration Electives 2

Selected from courses with ACC, BUS, COM, ECO, FIN, HCM, ICS, LDR, MGT, MIN, MKT, POS, PRL, or YOU prefix; DES2111 or ENG3248.

Social Justice Concentration (12 cr)

- BIB3045 Theology for Social Engagement 2
- ICS3015 Race and Ethnicity in America 4
- ICS3067 Social Justice 2

Concentration Electives 4

Selected from courses with ICS, MIN, PHI, POS, PSY, SOC, or YOU prefix; DES2111, FIN2025, or MEP1013.

Spanish Language Concentration (12 cr)

Note: SPA3325 is recommended for the literature elective in the core curriculum.

- SPA Electives 12

Youth Studies Concentration (12 cr)

- YOU2205 Serving Youth and Emerging Adults 2
- YOU3208 Leading Youth and Emerging Adults 4

Select one of the following:

- YOU3206 Contemporary Issues and Interventions with Youth . 2
- YOU3207 Spiritual Lives of Youth 2

Concentration Electives 4

Selected from courses with ICS, MIN, or YOU prefix; ACC2015, DES2111, FIN2025, or MEP1013.

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 SEE PAGE 50 FOR EXPLANATION AND PREREQUISITES.

Course Requirements for Accelerated Intercultural Studies/MAML

Students who are accepted into the accelerated MAML program will substitute the following graduate-level courses into the undergraduate degree to fulfill major or core curriculum requirements.

Undergraduate Courses 14 cr

- New Testament Exposition (core curriculum) 2
- Theological Philosophy (core curriculum) 2
- ICS4025 Culture, Change, and Worldview [OCE] 2
- MIN3216 Leadership in Ministry 4
- Concentration Elective 4

Graduate Courses 14 cr

- BIB6214U Interpreting the Gospels 2
- BIA5021U Apologetics 2
- ICS5225U Culture and Worldview Transformation [OCE] 2
- MIN5210U Leading and Organizing Ministry 4
- BIA5015U Biblical Hermeneutics 4

Intercultural Studies Minor 18 cr

Required Course: ICS1008; select one course from ICS2045, 4025, or LIN2226; select one course from ICS2015, 3016, 3215, or 4495; select 8–13 credits from ESL, ICS, MIN, SOC, or YOU electives. **Note:** The ICS Internship Core may be applied as electives.

Ministry Major Bachelor of Arts or Bachelor of Science

The Ministry major is a flexible program emphasizing studies which prepare the student for a career of ministry in the local church, parachurch, nonprofit ministries, or the world at large. It also lays a foundation for seminary/graduate study. The degree is granted upon completion of credits specified on pages 48–49 (40 credits must be successfully completed in 3000- or 4000-level courses).

The major focuses the student’s attention on courses which aim at proficiency first in the performance of general Christian ministry and then in specified ministry specializations. The major includes core courses and an area of concentration. Students selecting a general concentration are able to design an area of study in consultation with their advisor.

- **Biblical Thinking & Living** requirement of BIA1015 or BIA1827 in the core curriculum must be fulfilled by MIN2016.
- **Cultural & Global Engagement** requirement in core curriculum must be fulfilled by MIN3207 or MIN5610U.
- **Creative Expression** courses in core curriculum for Worship and Creative Arts Concentration must include MCH3007 or MUS1075.
- **Scientific & Quantitative Literacy** social science course in core curriculum must be fulfilled by MIN3045 or 5045U.
- **B.A. option** requires achieving 1002-level competency in an approved foreign language. See page 47.
- **Proportional Core Curriculum:** Students not already scheduled to take the following courses in their core curriculum must add them (this applies to junior and senior transfers to University of Northwestern): BIB2005 or BIB2827, BIB2008 or BIB2826.

Ministry Core26 cr

MIN1007	Ministry Foundations	4
MIN2016	Biblical Interpretation for Study (SEE BIBLICAL THINKING & LIVING REQUIREMENT ABOVE)	
MIN3045	Developmental Foundations for Ministry [WCE] (SEE SCIENTIFIC & QUANTITATIVE LITERACY REQUIREMENT ABOVE)	
MIN3065	Digital Ministry.	2
MIN3206	Relationships.	4
MIN3207	Ministry in a Globalized World (SEE CULTURAL & GLOBAL ENGAGEMENT REQUIREMENT ABOVE)	
MIN3216	Leadership in Ministry.	4
MIN3218	Teaching Methods in Ministry [OCE]	4
MIN3231	Care and Counseling in Ministry.	4

Select one of the following:

ICS1008	Introduction to Missions	2
ICS2005	Evangelism and Discipleship	2
MIN3075	Church Planting	2
ICS3069	Business as Mission	2

Select 2 credits from the following:

MIN1641	Christian Service I	1
MIN1642	Christian Service II	1
LDR3135	Peer Mentoring for Leadership Growth	0–1

Note: LDR3135 may be repeated to fulfill both credits.

Internship and Capstone Core 6 cr

MIN4855	Capstone	2
MIN4991	Ministry Internship I	2
MIN4992	Ministry Internship II	2

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SEE PAGE 50 FOR EXPLANATION AND PREREQUISITES.

* SEE RELATED INFORMATION ON PAGES 20, 37–38

Concentration 12 cr

Select a concentration. Requirements are listed below.
Note: None of the courses used to satisfy core curriculum requirements may be applied to the concentration, and vice versa.

General Concentration (12 cr)

Complete an individualized group of interrelated courses in consultation with the academic advisor including any combination of courses with the prefix ACL, BIA, BIB, ICS, MIN, YOU, ACC2015, FIN2025, DES2111, or MEP1013. Other courses may be approved by the department chair. Recommend including MIN1643-1644. Students seeking to double major may want to consider declaring a General Concentration.

Camping Ministry Concentration (12 cr)

The following coursework is completed over the course of one year at Camp Forest Springs.* Application required. Students in this concentration are encouraged to declare a Camp and Conference Center Administration minor.

Satisfied from among two semesters of the following:

CFS3000	Camp Management	1.5
CFS3400	Camp Counseling	1.5
CFS3500	Camp Programming	2.0
CFS3600	Camp Teaching.	0.5
CFS3700	Camp Health and Risk Management.	0.5

Media Ministry Concentration (12 cr)

MEP1016	Story Structure.	4
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Select one of the following:

MEP1012	Audio Production	3
MEP1013	Video Production	4

Select two enrollments from the following:

MEP2625–2627, 4625–4627.	0–2
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Concentration Electives. 2–5

Selected from courses with COM, ICS, MEP, MIN, PRL, or YOU prefix; ACC2015, DES2111, ENG3249, ENG3316, or FIN2025.

Next Generation Ministry Concentration (12 cr)

MIN3107	Spiritual Lives of Children or	
YOU3207	Spiritual Lives of Youth	2
MIN3226	Family Studies	2
MIN3308	Leading Children and Families.	2
YOU2205	Serving Youth and Emerging Adults	4

Concentration Electives. 2

Selected from courses with CFD, ICS, MIN, PSY, or SOC prefix; ACC2015, CRJ3228, CRJ4325, DES2111, LDR3135, MCH3216, MEP1012, MEP1013, or SOC2035

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Nonprofit Leadership Concentration (12 cr)

- ACC2015 Foundations of Accounting & Finance. 2
- ICS3069 Business as Mission 2
- LDR3060 Foundations of Nonprofit Leadership 2
- Select 4 credits from the following:**
- ENG3248 Grant Writing 2
- MGT3255 Human Resource Management. 2
- MKT1085 Principles of Marketing 4
- PRL3035 Nonprofit PR 2
- Concentration Electives 2**
- Selected from courses with ACC, BUS, COM, ECO, FIN, HCM, ICS, LDR, MGT, MIN, MKT, POS, PRL, YOU prefix; or DES2111; or ENG3248.

Social Justice Concentration (12 cr)

- BIB3045 Theology for Social Engagement. 2
- ICS3015 Race and Ethnicity in America. 4
- ICS3067 Social Justice. 2
- Concentration Electives 4**
- Selected from courses with ICS, MIN, PHI, POS, PSY, SOC, YOU prefix; ACC2015, DES2111, FIN2025, or MEP1013.

Worship and Creative Arts Concentration (12 cr)

Double Major Option: For students choosing to complete both Ministry with Worship and Creative Arts and Music with Music Ministry, MUH3106 will fulfill MIN3207 and MCH4995 will fulfill MIN4991 in the Ministry major.
Note: Students completing this concentration take MCH3007 or MUS1075 for their Creative Expression requirement.

- MCH3125 Theology of Worship 2
- MCH4315 Leading Worship. 2
- MTC1007 Music Theory Foundations. 4
- MCH3007 History of Music in the Church **or**
 MUS1075 Introduction to Music
 (SEE CREATIVE EXPRESSION REQUIREMENT ABOVE)

Select one of the following:

- MEP1012 Audio Production 3
- MEP1013 Video Production 4
- MCH3216 Technology in Worship. 2

Concentration Electives 0–2

Selected from courses with ANI, ART, DES, ICS, MCH, MEN, MEP, MIN, MTC, MUH, MUP, MUS, THE, or YOU prefix; ACC2015, FIN2025.
Note: Recommended electives include MCH4215, 4216, MEN3001, 3002, 3003, and MUP2106.

Youth and Emerging Adult Ministry Concentration (12 cr)

- YOU2205 Serving Youth and Emerging Adults 2
- YOU3206 Contemporary Issues and Interventions with Youth . . 2
- YOU3207 Spiritual Lives of Youth 2
- YOU3208 Leading Youth and Emerging Adults. 4

Concentration Electives 2

Selected from courses with CFD, ICS, MCH, MIN, PSY, or SOC prefix; ACC2015, DES2111, FIN2025, or MEP1013.

Course Requirements for Accelerated Ministry/MAML

Students who are accepted into the accelerated MAML program will substitute the following graduate-level courses into the undergraduate degree to fulfill major and core curriculum requirements.

Undergraduate Courses 16 cr

- Theological Philosophy (core curriculum) 2
- MIN3045 Developmental Foundations for Ministry [WCE] . . . 4
- MIN3207 Ministry in a Globalized World. 2
- MIN3216 Leadership in Ministry. 4
- Concentration Elective. 4

Graduate Courses 16 cr

- BIA5021U Apologetics 2
- MIN5045U Human Development for Ministry [WCE] 4
- MIN5610U Ministering Culturally and Globally. 2
- MIN5210U Leading and Organizing Ministry 4
- BIA5015U Biblical Hermeneutics. 4

Camp and Conference Center Administration Minor 18 cr

The following coursework is completed over the course of one year at Forest Springs Camp & Conference Center. Students normally declare a Ministry or Youth Studies major while pursuing this field of study. Application required.

Satisfied from among two semesters of the following: CFS3100 (1.5 cr), 3200 (1.5 cr), 3300 (1.5 cr), 3410 (3 cr), 3420 (1.5 cr)

Ministry Minor 18 cr

Required Courses: MIN1007, 3218; one course from MIN3045 or 3206; select 6 credits from any ICS, MIN, or YOU prefix course. MIN2016 is strongly recommended.

Nonprofit Leadership Major Bachelor of Arts or Bachelor of Science

This is a four-year major which will prepare students for leadership positions in the nonprofit sector. The curriculum combines multiple ministry courses with business courses and includes an internship. The degree is granted upon completion of credits specified on pages 48–49 (40 credits must be successfully completed in 3000- or 4000-level courses).

- **Biblical Thinking & Living** requirement of BIA1015 or BIA1827 in the core curriculum must be fulfilled by MIN2016.
- **Leadership & Professionalism** courses in core curriculum must include LDR1015/1825 (or LDR1011 and LDR2112) and LDR4425/4825.
- **Cultural & Global Engagement** requirement in core curriculum must be fulfilled by MIN3207 or 5610U.
- **Scientific & Quantitative Literacy** social science course in core curriculum: students are encouraged to take ECO2211
- **B.A. option** requires achieving 1002-level competency in an approved foreign language. See page 47.

Relational and Ethical Leadership Core	16–18 cr
BUS4435 Business Ethics	4
ENG3248 Grant Writing [WCE]	2
LDR1015 Leadership for Transformation (or LDR1825 Honors) or	
LDR1011 Spiritual and Personal Formation for Leadership and	
LDR2112 Relational and Cultural Awareness in Leadership	
(SEE LEADERSHIP & PROFESSIONALISM REQUIREMENT ABOVE)	
LDR4425 Leading with Courage and Calling (or LDR4825 Honors)	
(SEE LEADERSHIP & PROFESSIONALISM REQUIREMENT ABOVE)	
MIN2016 Biblical Interpretation for Study	
(SEE BIBLICAL THINKING & LIVING REQUIREMENT ABOVE)	
MIN3206 Relationships	4
MIN3216 Leadership in Ministry	4
Select one of the following:	
COM3106 Organizational Communication	4
PRL3035 Nonprofit PR	2

Managerial Leadership Core	14–16 cr
MGT2271 Management	4
MGT3075 Entrepreneurship	2
MGT3255 Human Resource Management	2
MKT1085 Principles of Marketing	4
Select one of the following:	
ACC2015 Foundations of Accounting & Finance	2
ACC2101 Principles of Financial Accounting	4

Missional Leadership Core	16 cr
ICS3069 Business as Mission [OCE]	2
LDR3060 Foundations of Nonprofit Leadership	2
LDR4991 Nonprofit Internship I	2
LDR4992 Nonprofit Internship II	2
MIN3207 Ministry in a Globalized World (SEE CULTURAL & GLOBAL	
ENGAGEMENT REQUIREMENT ABOVE)	
Select one of the following:	
ICS3067 Social Justice	2
ICS3068 Relief and Development	2
MIN3065 Digital Ministry	2
Electives	6
Selected from courses with ACC, BUS, COM, ECO, FIN, ICS, LDR,	
MGT, MKT, MIN, POS, PRL, PSY, or YOU prefix; DES2111 or	
MEP1013.	

WCE = WRITTEN COMMUNICATION EMPHASIS
 OCE = ORAL COMMUNICATION EMPHASIS.
 SEE PAGE 50 FOR EXPLANATION AND PREREQUISITES.

Course Requirements for Accelerated Nonprofit Leadership/MAML

Students who are accepted into the accelerated MAML program will substitute the following graduate-level courses into the undergraduate degree to fulfill major or core curriculum requirements.

Undergraduate Courses	14 cr
Theological Philosophy (core curriculum)	2
MIN3216 Leadership in Ministry	4
MIN3207 Ministry in a Globalized World	2
MGT3255 Human Resource Management	2
Select one of the following:	
BUS4435 Business Ethics	4
Major Selectives	4

Graduate Courses	14 cr
BIA5021U Apologetics	2
MIN5210U Leading and Organizing Ministry	4
MIN5610U Ministering Culturally and Globally	2
BUA5220U Human Resource Leadership	2
Select one of the following:	
BUA5420U Business Leadership Ethics	4
BIA5015U Biblical Hermeneutics	4

Nonprofit Leadership Minor 18 cr

Required Courses: LDR3060, MGT3075, MIN3207, 3216, MKT1085; ACC2015 or 2101; select additional credits as needed from any ACC, BUS, COM, ECO, FIN, ICS, LDR, MGT, MIN, MKT, POS, PRL, PSY, or YOU prefix; ENG3248.

CHRISTIAN MINISTRIES

Pastoral Ministry Major Bachelor of Arts or Bachelor of Science

The Pastoral Ministry major prepares students to serve in general pastoral ministry or as a future member of a church planting team. Graduates will understand and experience the basic roles of pastor/shepherd such as preaching, teaching, leading, pastoral care and church planting. It also lays a foundation for seminary/graduate study. The degree is granted upon completion of credits specified on pages 48–49 (40 credits must be successfully completed in 3000- or 4000-level courses).

- **Biblical Thinking & Living** requirement of BIA1015 or BIA1827 in the core curriculum must be fulfilled by MIN2016.
- **Cultural & Global Engagement** requirement in core curriculum fulfilled by MIN3207 or MIN5610U.
- **Scientific & Quantitative Literacy** social science course in core curriculum must be fulfilled by MIN3045 or 5045U.
- **B.A. option** requires ACL2001 and 2002.
- **Proportional Core Curriculum:** Students not already scheduled to take the following courses in their core curriculum must add them (this applies to junior and senior transfers to University of Northwestern): BIB2005 or BIB2827, BIB2008 or BIB2826.

Ministry Core	24 cr
MIN1007 Ministry Foundations	4
MIN2016 Biblical Interpretation for Study (SEE BIBLICAL THINKING & LIVING REQUIREMENT ABOVE)	
MIN3045 Developmental Foundations for Ministry [WCE] (SEE SCIENTIFIC & QUANTITATIVE LITERACY REQUIREMENT ABOVE)	
MIN3065 Digital Ministry.....	2
MIN3206 Relationships.....	4
MIN3207 Ministry in a Globalized World (SEE CULTURAL & GLOBAL ENGAGEMENT REQUIREMENT ABOVE)	
MIN3216 Leadership in Ministry.....	4
MIN3218 Teaching Methods in Ministry [OCE]	4
MIN3231 Care and Counseling in Ministry.....	4
Select one of the following:	
ICS1008 Introduction to Missions	2
ICS2005 Evangelism and Discipleship	2
MIN3075 Church Planting.....	2
ICS3069 Business as Mission	2

Pastoral Ministry Required Courses	14 cr
ACL2001 Elementary Greek I*	4
ACL2002 Elementary Greek II*	4
MIN3105 Leading in Pastoral Ministry	2
MIN4306 Preaching and Worship	4

***NOTE:** STUDENTS PURSUING THE B.S. OPTION ARE ALLOWED TO SUBSTITUTE A BIA, BIB, OR PHI ELECTIVE OR MIN3205 IN PLACE OF ACL2001 AND/OR ACL2002.

Internship and Capstone Core	6 cr
MIN4855 Capstone	2
MIN4991 Ministry Internship I	2
MIN4992 Ministry Internship II	2

Selectives	6 cr
Select from courses with ACL, BIB, BIA, ICS, LDR, MCH, MIN, or YOU prefix	

Note: Recommended electives/selectives include ACC2015, HIS3125, ICS2015, MIN4405, and PHI2016.

WCE = WRITTEN COMMUNICATION EMPHASIS
OCE = ORAL COMMUNICATION EMPHASIS.
SEE PAGE 50 FOR EXPLANATION AND PREREQUISITES.

Course Requirements for Accelerated Pastoral Ministry/MAML

Students who are accepted into the accelerated MAML program will substitute the following graduate-level courses into the undergraduate degree to fulfill major or core curriculum.

Undergraduate Courses	16 cr
Theological Philosophy (core curriculum)	2
MIN3045 Developmental Foundations for Ministry [WCE] ..	4
MIN3207 Ministry in a Globalized World.....	2
MIN3216 Leadership in Ministry.....	4
Major Selective.....	4

Graduate Courses	16 cr
BIA5021U Apologetics	2
MIN5045U Human Development for Ministry [WCE]	4
MIN5610U Ministering Culturally and Globally.....	2
MIN5210U Leading and Organizing Ministry	4
BIA5015U Biblical Hermeneutics.....	4

Course Requirements for Accelerated Pastoral Ministry/M.Div.

Students who are accepted into the accelerated M.Div. program will substitute the following graduate-level courses into the undergraduate degree to fulfill major or core curriculum requirements. Students are encouraged to declare a second major in Bible.

Undergraduate Courses 26 cr	Graduate Courses 26 cr
Old Testament Exposition (core curriculum) 4	BIB6211U Interpreting the Pentateuch 4
Theology (core curriculum) 4	BIB6312U Biblical Theology of Old & New Testaments 4
Theological Philosophy (core curriculum) 2	BIA5021U Apologetics 2
MIN3045 Developmental Foundations for Ministry [WCE] 4	MIN5045U Human Development for Ministry [WCE] 4
MIN3207 Ministry in a Globalized World 2	MIN5610U Ministering Culturally and Globally 2
MIN3216 Leadership in Ministry 4	MIN5210U Leading and Organizing Ministry 4
Major Selective 4	BIA5015U Biblical Hermeneutics 4
Major Selective 2	MIN5405U Advanced Preaching 2
	Additional Graduate Courses
	ACL5201U Greek for Biblical Exegesis* 4
	BIB6214U Interpreting the Gospels 2
	HIS5019U History of Christianity 4
	MIN5993U Graduate Internship I 1
	MIN5994U Graduate Internship II 1

* **NOTE:** STUDENTS PURSUING THE B.S. OPTION WILL INSTEAD TAKE, AS A GRADUATE STUDENT, BIB6201 ORIGINAL LANGUAGES FOR BIBLICAL STUDY.

Youth Studies Major Bachelor of Arts or Bachelor of Science

The Youth Studies major prepares students to establish, develop and evaluate a ministry to youth and emerging adults in local church, parachurch, and nonprofit contexts. Emphasis is on understanding youth in their everyday life grounded in a biblical theology of seeing youth as created in God’s image. The major also lays a foundation for seminary/graduate study. The degree is granted upon completion of credits specified on pages 48–49 (40 credits must be successfully completed in 3000- or 4000-level courses).

- **Biblical Thinking & Living** requirement of BIA1015 or BIA1827 in the core curriculum must be fulfilled by MIN2016.
- **Cultural & Global Engagement** requirement in core curriculum must be fulfilled by MIN3207 or MIN5610U
- **Creative Expression** courses in core curriculum for Worship and Creative Arts concentration must include MCH3007 or MUS1075.
- **Scientific & Quantitative Literacy** social science course in core curriculum must be fulfilled by MIN3045 or 5045U.
- **B.A. option** requires achieving 1002-level competency in an approved foreign language. See page 47.
- **Proportional Core Curriculum:** Students not already scheduled to take the following courses in their core curriculum must add them (this applies to junior and senior transfers to University of Northwestern): BIB2005 or BIB2827, BIB2008 or BIB2826.

Youth Studies Core 20–22 cr	Professional Leadership Core 14 cr
MIN3045 Developmental Foundations for Ministry [WCE] (SEE SCIENTIFIC & QUANTITATIVE LITERACY REQUIREMENT ABOVE)	MIN2016 Biblical Interpretation for Study (SEE BIBLICAL THINKING & LIVING REQUIREMENT ABOVE)
MIN3205 Human Sexuality 4	MIN3206 Relationships 4
MIN3231 Care and Counseling in Ministry 4	MIN3207 Ministry in a Globalized World (SEE CULTURAL & GLOBAL ENGAGEMENT REQUIREMENT ABOVE)
YOU2205 Serving Youth and Emerging Adults 2	MIN3216 Leadership in Ministry 4
YOU3206 Contemporary Issues and Interventions with Youth . 2	MIN4991 Ministry Internship I 2
YOU3207 Spiritual Lives of Youth 2	MIN4992 Ministry Internship II 2
YOU3208 Leading Youth and Emerging Adults [OCE] 4	MIN4855 Capstone 2
Select 2–4 credits from the following:	
CRJ3228 Deviance 4	
CRJ4325 Juvenile Delinquency 2	
ICS2045 Cultural Anthropology 4	
MIN3107 Spiritual Lives of Children 2	
MIN3226 Family Studies 2	
MIN3227 Retreats, Events, and Camps 2	
MIN3308 Leading Children and Families 2	
PSY4316 Marriage and Family Counseling 4	
PSY3326 Psychology of Stress Management 4	
SOC2035 Social Problems 4	

WCE = WRITTEN COMMUNICATION EMPHASIS
OCE = ORAL COMMUNICATION EMPHASIS.
SEE PAGE 50 FOR EXPLANATION AND PREREQUISITES.

CHRISTIAN MINISTRIES

Concentration 12 cr

Note: None of the courses used to satisfy core curriculum requirements may be applied to the concentration, and vice versa.

Select a concentration. Requirements are listed below.

General Concentration (12 cr)

Complete an individualized group of interrelated courses in consultation with the academic advisor including any combination of courses with the prefix CRJ, ICS, MIN, PSY, SOC, or YOU; ACC2015, FIN2025, DES2111, or MEP1013. Other courses may be approved by the department chair. Recommend including MIN1643-1644. Students seeking to double major may want to consider declaring a General Concentration.

Camping Ministry Concentration (12 cr)

The following coursework is completed over the course of one year at Forest Springs Camp & Conference Center*. Application required. Students in this concentration are encouraged to declare a Camp and Conference Center Administration minor.

Satisfied from among two semesters of the following:

CFS3000	Camp Management	1.5
CFS3400	Camp Counseling	1.5
CFS3500	Camp Programming	2.0
CFS3600	Camp Teaching	0.5
CFS3700	Camp Health and Risk Management	0.5

* SEE RELATED INFORMATION ON PAGES 20, 37–38

Media Ministry Concentration (12 cr)

MEP1016	Story Structure	4
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Select one of the following:

MEP1012	Audio Production	3
MEP1013	Video Production	4

Select two enrollments from the following:

MEP2625–2627, 4625–4627	0–2
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Concentration Electives 2–5

Selected from courses with COM, ICS, MEP, MIN, PRL or YOU prefix; ACC2015, DES2111, ENG3316, or ENG3249.

Ministry Concentration (12 cr)

MIN1007	Ministry Foundations	4
MIN3065	Digital Ministry	2
MIN3218	Teaching Methods in Ministry	4

Concentration Electives 2

Selected from courses with CFD, ICS, MIN, PSY, or SOC prefix; ACC2015, CRJ3228, CRJ4325, DES2111, LDR3135, MCH3216, MEP1012, or MEP1013.

Next Generation Ministry Concentration (12 cr)

MIN1007	Ministry Foundations	4
MIN3107	Spiritual Lives of Children	2
MIN3308	Leading Children and Families	2
MIN3226	Family Studies	2

Concentration Electives 2

Selected from courses with CFD, ICS, MIN, PSY, or SOC prefix; ACC2015, CRJ3228, CRJ4325, DES2111, LDR3135, MCH3216, MEP1012, or MEP1013.

Nonprofit Leadership Concentration (12 cr)

ACC2015	Foundations of Accounting & Finance	2
ICS3069	Business as Mission	2
LDR3060	Foundations of Nonprofit Leadership	2

Select 4 credits from the following:

ENG3248	Grant Writing	2
MGT2271	Management	4
MGT3255	Human Resource Management	2
MKT1085	Principles of Marketing	4
PRL3035	Nonprofit PR	2

Concentration Electives 2

Selected from courses with ACC, BUS, COM, ECO, FIN, HCM, ICS, LDR, MGT, MIN, MKT, POS, PRL, PSY, or YOU prefix; DES2111 or ENG3248.

Social Justice Concentration (12 cr)

BIB3045	Theology for Social Engagement	2
ICS3015	Race and Ethnicity in America	4
ICS3067	Social Justice	2

Concentration Electives 4

Selected from courses with ICS, MIN, PHI, POS, PSY, SOC, or YOU prefix; ACC2015, FIN2025, DES2111, or MEP1013.

Worship and Creative Arts Concentration (12 cr)

Double Major Option: For students choosing to complete both Youth Studies with Worship and Creative Arts and Music with Music Ministry, MUH3106 will fulfill MIN3207 and MCH4995 will fulfill MIN4991 in the Youth Studies major.

Note: Students completing this concentration take MCH3007 or MUS1075 for their Creative Expression requirement.

MCH3125	Theology of Worship	2
MCH4315	Leading Worship	2
MTC1007	Music Theory Foundations	4
MCH3007	History of Music in the Church or	4
MUS1075	Introduction to Music	

(SEE CREATIVE EXPRESSION REQUIREMENT ABOVE)

Select one of the following:

MEP1012	Audio Production	3
MEP1013	Video Production	4
MCH3216	Technology in Worship	2

Concentration Electives 0–2

Selected from courses with ANI, ART, DES, ICS, MCH, MEN, MEP, MIN, MTC, MUH, MUP, MUS, THE, or YOU prefix; ACC2015, FIN2025.

Note: Recommended electives include MCH4215, MCH4216, MEN3001, 3002, 3003, and MUP2106.

Course Requirements for Accelerated Youth Studies/MAML

Students who are accepted into the accelerated MAML program will substitute the following graduate-level courses into the undergraduate degree to fulfill major and core curriculum requirements.

Undergraduate Courses16 cr	Graduate Courses16 cr
Theological Philosophy (core curriculum)2	BIA5021U Apologetics2
MIN3045 Developmental Foundations for Ministry [WCE] . . .4	MIN5045U Human Development for Ministry [WCE]4
MIN3207 Ministry in a Globalized World.2	MIN5610U Ministering Culturally and Globally.2
MIN3216 Leadership in Ministry.4	MIN5210U Leading and Organizing Ministry4
Concentration Elective.4	BIA5015U Biblical Hermeneutics.4

Youth and Emerging Adult Ministry Minor 18 cr

Required Courses: MIN1007, 3218; YOU2205, 3208; one course from MIN3045 or 3206.

Children and Family Ministry Minor 16 cr

Required Courses: MIN1007, 3045, 3107, 3218, 3308.

Social Justice Minor 18 cr

Required Courses: BIB3045, ICS3067; one course from ICS3015, MIN3205, or SOC2035; one course from ICS3209 or MIN3207; select 8 credits from ICS, MIN, PHI, POS, PSY, SOC, or YOU prefix; SCI1010/1010L.

DUAL ENROLLMENT

OFFICE OF DUAL ENROLLMENT

A description of Dual Enrollment appears on page 38.

Dual Enrollment Courses

Courses available online through Dual Enrollment are listed below:

ACC2101	Principles of Financial Accounting	HIS1007	Survey of American History
ACL2001	Elementary Greek I	HIS3115	Old Testament Archaeology
ACL2002	Elementary Greek II	HIS3116	New Testament Archaeology
ACL2021	Classical Latin I	HIS3125	History of the Christian Church from Apostolic Times to the Present
ACL2022	Classical Latin II	ICS2015	World Religions
ACL3201	Intermediate Greek I	ICS2045	Cultural Anthropology
ACL3202	Intermediate Greek II	ICS3015	Race and Ethnicity in America
ART1007	Art Appreciation*	LDR1015	Leadership for Transformation
BIA1007	Christian Thinking & Living	LIT1037	Introduction to Shakespeare
BIA1015	Interpreting Scripture	LIT1100	Introduction to Literature
BIA3235	Second Temple Judaism	LIT2118	Multiethnic American Literature
BIA3236	Biblical Customs and Geography	MAT1005	Mathematics for the Liberal Arts
BIA4837	Seminar in Exegetical Methods	MAT1035	Business Mathematics
BIB2005	Survey of the Old Testament	MAT1126	Precalculus
BIB2008	Survey of the New Testament	MAT2055	Statistics
BIB3016	Mark	MAT2121	Calculus and Analytic Geometry I
BIB3020	Life of Christ	MAT2122	Calculus and Analytic Geometry II
BIB3235	Genesis	MKT1085	Principles of Marketing
BIB3238	Daniel	MUS1075	Introduction to Music
BIB4360	Systematic Theology	PHE1065	Lifetime Fitness and Wellness
BIB4365	Historical Theology	PHE1066	Fitness and Health for Life
BIB4460	Biblical Theology	PHI2005	Introduction to Philosophy
BIB4835	Seminar in Theological Method	PHI2016	Ethics
BIO1025	Medical Terminology	PHI2055	Introduction to Theological Philosophy
BUS1115	Introduction to Spreadsheets	PHI3057	Christian Apologetics
BUS2011	Introduction to Business Analysis	POS2005	U.S. National Government
CHE1006	Concepts of Chemistry	PSY1005	Introduction to Psychology
CHE1121	General Chemistry I**	PSY2108	Lifespan Psychology
CHN1001	Beginning Chinese I	SCI1015	Environmental Science and Sustainability###
CHN1002	Beginning Chinese II	SCI2108	Concepts of Astronomy
COM2008	Film Appreciation***	SOC1035	Introduction to Sociology
COS2005	Python Programming	SPA1001	Beginning Spanish I
COS3271	Programming I - Java	SPA1002	Beginning Spanish II
CRJ2125	Criminology	SPE1075	Public Speaking
DAL2012	Introduction to Data Analysis	THE1055	Introduction to Theatre
ECO2201	Principles of Economics I+		
ECO2202	Principles of Economics II++		
ENG1105	Composition		
ENG2205	Critical Thinking and Writing		
ENG2215	Writer's Style		
GEO1007	Principles of Geography#		
GEO1017	Principles of World Geography##		
GST1015	Basic Computer Applications		
GST1035	Discovering Majors		
HIS1005	Historical Perspectives on Culture, Belief, and Civilization		

* ART1007 IS EQUIVALENT TO ART1005 (SEE PAGE 146)

**CHE1121 IS EQUIVALENT TO CHE1021 (SEE PAGE 153)

***COM2008 IS EQUIVALENT TO COM2007 (SEE PAGE 154)

+ ECO2201 IS EQUIVALENT TO ECO2211 AND ECO2212 (SEE PAGES 159)

++ ECO2202 IS EQUIVALENT TO ECO2213 (BUT ECO2213 IS NOT EQUIVALENT TO ECO2202) (SEE PAGE 159)

GEO1007 IS EQUIVALENT TO GEO1005 (SEE PAGE 176)

GEO1017 IS EQUIVALENT TO GEO1015 (SEE PAGE 176)

###SCI1015 IS EQUIVALENT TO SCI1010 (SEE PAGE 205)

Dual Enrollment Programs

The following programs are available through Dual Enrollment: Biblical & Theological Studies major, Associate of Arts & Bible, Associate of Arts in Liberal Studies, Certificate in Bible, PSEO, and Early College. To enroll in one of the degree or certificate programs, prospective students must meet University of Northwestern's admission requirements (see pages 12–14).

Biblical & Theological Studies Major Bachelor of Arts

The Biblical & Theological Studies major is designed to provide in-depth study and preparation in Bible and related areas and subjects. It is intended for students who wish to pursue graduate studies in preparation for teaching, for those who desire a solid pre-seminary program, or for persons who wish to gain a high proficiency in biblical studies. The Biblical & Theological Studies major follows the curriculum on page 129. The degree is granted upon completion of 125 credits as specified on pages 48–49 (40 credits must be successfully completed in 3000- or 4000-level courses).

Associate of Arts & Bible

The Associate of Arts & Bible is designed to prepare the graduate for transfer to an upper-level degree program at Northwestern or another institution. The degree is granted upon completion of 60 credits. The Associate of Arts & Bible degree program follows the curriculum on page 131 with the exception of course options that are not offered through Dual Enrollment. Students should check course requirements of the program and school where further study is planned. To enroll in this degree, prospective students must meet the admission requirements (see pages 12–14).

Associate of Arts in Liberal Studies

The Associate of Arts in Liberal Studies is designed to prepare the graduate for transfer to an upper-level degree program at Northwestern or another institution. In addition to completing a broad range of general education courses, this major allows students to choose a concentration in an area of academic or professional interest. The degree is granted upon completion of 60 credits. The Associate of Arts in Liberal Studies follows the curriculum on page 94 with the exception of course options that are not offered through Dual Enrollment. Students should check course requirements of the program and school where further study is planned. To enroll in this degree, prospective students must meet the admission requirements (see pages 12–14).

Certificate in Bible

The Certificate in Bible is designed for those desiring concentrated training in the Word of God. It assists students to become established in the faith, rooted and grounded in the Word, and fortified with answers to humanity's primary questions regarding life's purpose and destiny. It provides tools for continuing Bible study and for effective Christian witness. It is of value to professional men and women going to the mission field and needing a concentrated study of the Bible. The Certificate in Bible is granted upon completion of the same Bible credits included in Northwestern's bachelor's degrees (see page 129), with the exception of course options that are not offered through Dual Enrollment. To enroll in this certificate, prospective students must meet the admission requirements (see pages 12–14).

PSEO

The Postsecondary Enrollment Options (PSEO) Program, through the state of Minnesota, allows public-, private-, and home-schooled high school juniors and seniors who are residents of Minnesota to complete courses for both secondary and postsecondary credit. The State of Minnesota pays the tuition and most materials costs for these courses. See page 16 for more details.

Early College

High school juniors and seniors who are residents outside the state of Minnesota, who would like to take summer courses, or who would like to take non-state-approved courses can earn college credit while in high school through the Early College Program. See page 16 for more details.

COURSE DESCRIPTIONS

Course Descriptions

Course Description Legend

COURSE CODE / COURSE TITLE NUMBER OF CREDITS

- cr Credit(s)
- OCE Oral Communication Emphasis course: SPE1075 or SPE1825 as prerequisite (see page 50)
- PQ Prerequisite(s)
- U suffix Graduate-level course taken by approved undergraduate students
- WCE Written Communication Emphasis course: ENG2205 or ENG2825 as prerequisite (see page 50)
- * Course offered alternate years
- ** Course offered when feasible
- \$ Course has a fee
- #. Traditional Undergraduate courses also offered through Dual Enrollment
- ##. Only offered through Dual Enrollment
- + Course for which competency may be demonstrated
- ◇ Traditional Undergraduate courses also offered through Adult Undergraduate
- ◇◇ Only offered through Adult Undergraduate

Directed studies and topics courses are available. See pages 26–27, 29.

Accounting

ACC2015 Foundations of Accounting & Finance 2 cr
 Designed for non-business majors, this class provides an overview of accounting and finance concepts, including financial reporting and analysis, decision making, internal control, and implications for not-for-profits.

ACC2101 Principles of Financial Accounting# 4 cr
 (PQ: BUS1115 and MAT1035 recommended or may be taken concurrently) A study of fundamental accounting principles, financial statements, and the analysis and reporting of business transactions.

ACC2102 Principles of Managerial Accounting 4 cr
 (PQ: C or better in ACC2101 and C- or better in MAT1035; BUS1115 recommended or may be taken concurrently) An introductory study of managerial accounting concepts, including costing methods, analysis of financial performance, budgeting, and decision making.

ACC3201 Intermediate Accounting I 4 cr
 (PQ: C or better in ACC2101 and ACC2102, or concurrently enrolled in ACC2102) A study of accounting theory and techniques as related to revenue recognition, asset and liability valuation and financial reporting.

ACC3202 Intermediate Accounting II 4 cr
 (PQ: C or better in ACC3201) A continuation of ACC3201, dealing with accounting for long-term liabilities, stockholders' equity, earnings per share, leases, income taxes, cash flows and financial statement analysis.

ACC3206 Cost Accounting 4 cr
 (PQ: C or better in ACC2102) A study of managerial decision making, including consideration of costing techniques, budgeting and control, and strategic planning.

ACC3235 Accounting Information Systems 4 cr
 (PQ: C or better in ACC2101 and BUS2011) An exploration of the intersection of accounting and technology. Attention will be given to the accountant's role as business analyst, transaction processing, the function of accounting systems—both manual and electronic—development and analysis of systems, security, internal control, ethics, and emerging issues.

ACC4205 Corporate and Partnership Income Taxation 2 cr
 (PQ: C or better in ACC2102 or consent of instructor) Review of the federal income tax laws as they apply to corporations and

partnerships, including the advantages and disadvantages of each business structure. Corporate will focus on tax law creating permanent and temporary book/tax differences and accounting for net operating losses, net capital losses, deductions, and distributions. Partnership will focus on formation, partnership interest, and allocating gains and losses to partners. S corporations are highlighted, including the unique advantages to the tax-paying partners.

ACC4305 Auditing 4 cr
 (PQ: C or better in ACC3202 or concurrently enrolled) The objective, standards, ethics, and procedures of auditing and assurance services.

ACC4306 Individual Income Taxation 4 cr
 (PQ: C or better in ACC2102, or consent of instructor) Review of the federal income tax laws as they apply to individuals and sole proprietorships, including business and personal deductions, credits, capital gains and losses, property acquisition and disposal, and compensation. Focus will also highlight the tax advantages of home ownership, 401(k) investment plans, IRA plans, and Roth accounts.

ACC4307 Advanced Accounting 4 cr
 (PQ: C or better in ACC3202) Special topics in accounting, including business combinations, consolidated statements, foreign currency, and partnerships.

ACC4308 Governmental and Non-Profit Accounting 2 cr
 (PQ: C or better in ACC2101 and ACC2102) A study of financial accounting and reporting requirements for governmental and not-for-profit entities and the unique challenges and opportunities faced by each.

ACC4845 Senior Accounting Project. 2 cr
 (PQ: accounting major with senior standing and consent of instructor) Instructor-directed, individual capstone exploration of a major accounting project. An extensive original model and analysis is required.

ACC4995 Accounting Internship 1 cr
 (PQ: BUS3835, consent of faculty supervisor, and internship registration form) Supervised work experience related to student's major. Students may enroll for this course at various times as their schedules permit. **Note:** This course is designated as repeatable and may be repeated three times after the original taking of the course. See page 25 for note regarding internships.

Ancient & Classical Languages

ACL2001 Elementary Greek I^{#*} **4 cr**
The first course in a year-long sequence introducing elements of Classical and Koine Greek morphology, syntax and vocabulary. Emphasis is on reading classical and New Testament Greek.

ACL2002 Elementary Greek II^{#*} **4 cr**
(PQ: ACL2001 or consent of instructor) The second course in a year-long sequence introducing elements of Classical and Koine Greek morphology, syntax and vocabulary. Continued emphasis on reading classical and New Testament Greek.

ACL2011 Classical Hebrew I^{*} **4 cr**
The first course in a year-long sequence introducing elements of Classical (biblical) Hebrew morphology, syntax and vocabulary. Elements of conversational Modern Hebrew are also included.

ACL2012 Classical Hebrew II^{*} **4 cr**
(PQ: ACL2011 or consent of instructor) The second course in a year-long sequence introducing elements of Classical (biblical) Hebrew morphology, syntax and vocabulary. Elements of conversational Modern Hebrew are also included.

ACL2021 Classical Latin I^{#}** **4 cr**
The first course in a year-long sequence introducing the elements of Classical Latin morphology, syntax and vocabulary. Students read portions of Cicero, Horace and other Latin authors.

ACL2022 Classical Latin II^{#}** **4 cr**
(PQ: ACL2021 or consent of instructor) The second course in a year-long sequence introducing the elements of Classical Latin morphology, syntax and vocabulary. Students read portions of Cicero, Horace and other Latin authors.

ACL3201 Intermediate Greek I^{#*} **4 cr**
(PQ: ACL2002 or consent of instructor) The first course in a year-long sequence to improve students' abilities in Greek grammar and syntax and their application to reading and exegesis.

ACL3202 Intermediate Greek II^{#}** **4 cr**
(PQ: ACL3201 or consent of instructor) The second course in a year-long sequence to improve students' abilities in Greek grammar and syntax and their application to reading and exegesis.

ACL4301 Advanced Greek I^{}** **1–4 cr**
(PQ: ACL3202 or consent of instructor) The first course in a year-long sequence devoted to extended reading of Classical and Koine Greek authors and/or detailed exegesis of biblical texts, according to student needs. This course can be taken as a directed study.

ACL4302 Advanced Greek II^{}** **1–4 cr**
(PQ: ACL4301 or consent of instructor) The second course in a year-long sequence devoted to extended reading of Classical and Koine Greek authors and/or detailed exegesis of biblical texts, according to student needs. May be taken without having completed ACL4301. This course can be taken as a directed study.

ACL5201U Greek for Biblical Exegesis^{*} **4 cr**
(PQ: ACL2002 or one year of introductory Greek or consent of the instructor) This course includes a study of intermediate Greek grammar and syntax with the goal of applying this knowledge to reading and exegesis of the New Testament text. Students also apply original language skills to exegetical research.

Animation & Illustration

ANI1005 Animation Principles and Trends[§] **2 cr**
This course is designed to introduce students to the world of animation through lecture and laboratory sessions. Lectures will survey the history of animation and introduce the conceptual framework, as well as the implications of techniques. The laboratory sessions will provide hands-on training on specific software and discuss new developments and future trends in the industry. A \$75 course fee required.

ANI1105 Animation I[§] **4 cr**
This course is designed to introduce the techniques, strategies and conceptual approaches to animation that utilize the direct animation techniques. Weekly workshops with different techniques will guide students towards a deeper understanding of the various methods of animation and their processes. A \$75 course fee required.

ANI2201 Animation II[§] **4 cr**
(PQ: ANI1105 or consent of instructor) Exploration of the basic principles of movement for the animator, working with the very basic movements to the complex. A \$75 course fee required.

ANI3015 Illustration[§] **2 cr**
This is an intermediate course that allows the student to examine and create illustrations focused on character development for animation. Students are encouraged to experiment with a wide variety of software, media, and techniques through concept-driven coursework. A \$75 course fee required.

ANI3105 Figure Drawing[§] **2 cr**
(PQ: ART1011) Course content explores human and animal anatomy through gesture studies and finished renderings. Topics include proportion, exaggeration and perspective. A \$75 course fee required.

ANI3106 Motion Design[§] **4 cr**
(PQ: ANI1105) Course also listed as DES3106. A course designed to explore the principles and processes of motion design through the use of digital compositing tools. Special attention is given to the design processes used to create and manipulate visual and typographic sequences. Emphasis is placed on the relationship between the production methods and software supporting traditional and digital animation pipelines. A \$75 course fee required.

ANI3205 CG Production[§] **4 cr**
(PQ: ANI1105 and ANI2201) This course is designed to assist students in creating an animated short. Students will study all aspects of production from conceptualizing, scripting, storyboarding, production and post-production. Assignments will emphasize shooting style, character development, research and developing a production. A \$75 course fee required.

ANI3303 3D Modeling[§] **4 cr**
The objective of this course is to expand the knowledge of hard- and soft-bodied surfaces. Students will learn good edgeflow and topology for animation and will improve the rendering skills needed to showcase their models. Students will learn best practices for 3D modeling as used in animation, films and print. A \$75 course fee required.

ANI3305 Character Design[§] **2 cr**
(PQ: ANI3105) This course continues material introduced in Figure Drawing (ANI3105) while concentrating on developing aesthetically appealing characters. Complex designs are developed in conjunction with story, animation and cinematic concepts. A \$75 course fee required.

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ANI4303 Advanced Animation^s **4 cr**
(PQ: ANI1105 and ANI2201) This course expands the continued study of the principles of motion through the use of computer generated animation. Projects focus on developing sophisticated skills in model building, animation, color and lighting. A \$75 course fee required.

ANI4835 Portfolio Seminar^s **2 cr**
(PQ: senior standing) This course continues the study of animation principles with a focus on development of projects suitable for a professional portfolio. Students will develop sophisticated skills in model building, animation, color and design. A \$75 course fee required.

ANI4855 Senior Capstone^s ^{OCE} **2 cr**
(PQ: SPE1075 or SPE1825, and senior standing) A seminar-based production course to prepare for the realities of the professional world. This capstone experience is designed to employ all aspects of preparation for a career in digital media animation. The student will create an original animated sequence using the fundamentals of digital media and work within a collaborative team to finalize their demonstration “reel.” A \$75 course fee required.

ANI4995 Animation & Illustration Internship **1–2 cr**
(PQ: junior or senior standing, consent of faculty supervisor, and internship registration form) Supervised off-campus work experience in digital media. **Note:** This course is designated as repeatable. See page 25 for note regarding internships.

Art

ART1005 Principles of Art **2 cr**
 An introductory study of art appreciation. The course covers the elements and principles of design as an entry into discussion surrounding the meaning and purpose of visual imagery. Concepts emerge from the content areas of aesthetics, art history and critical inquiry. Equivalent to ART1007 or ART1009 (for ART1009, see College of Graduate, Online, & Adult Learning catalog).

ART1006 Creative Explorations of Art **2 cr**
 An introductory study of art concepts and appreciation. The course covers the elements and principles of design as an entry into discussion surrounding the meaning and purpose of visual imagery. Concepts emerge from the content areas of aesthetics, art history, and critical inquiry.

ART1007 Art Appreciation^{##} **3 cr**
 An introductory study of art appreciation. The course covers art-related vocabulary, focused observation, historical context and the elements and principles of design as an entry into discussion surrounding the meaning and purpose of visual imagery. Concepts emerge from the content areas of aesthetics, art history and critical inquiry. May be taken to count toward the Creative Expression requirement in the core curriculum. Equivalent to ART1005. Only offered through Dual Enrollment.

ART1011 Drawing I^s **4 cr**
 A foundational-level drawing class focusing on landscape, still life and the figure, using traditional materials and techniques. Emphasis is placed on visual sensitivity and basic technique, with specific studies in anatomy. A \$75 course fee required.

ART1035 Design Concepts^s **4 cr**
 An introductory course in understanding and application of principles and elements of two-dimensional and three-dimensional art. A \$75 course fee required.

ART1825 Honors Topics: Art Appreciation **2 cr**
(PQ: ACT Composite score of 27 or above [SAT score of 1280 or above, or CLT score of 85 or above], or high school cum GPA of 3.7 or higher, or consent of instructor) An in-depth study of a particular historical period or geographic location of visual art. Focus of the course is on descriptive, interpretive and evaluative analysis of art. ART1825 is a repeat of ART1005 and ART1007.

ART2021 Print I^s **3 cr**
(PQ: ART1011) This course focuses on contemporary and traditional techniques as they relate to traditional printmaking processes. Students will learn two distinct mediums over the duration of the class. Screen-printing and Relief Printing (aka woodcuts and linoleum) will be the main focus however color theory and ink mixing will be introduced as well. A \$75 course fee required.

ART2031 Painting I^s **3 cr**
 An introductory studio course in acrylic painting that focuses on the visual qualities unique to painting. Basic concepts include designing two-dimensional work, exploring color and creating texture. The history of painting is integrated with an examination of painting styles. A \$75 course fee required.

ART2048 Ceramics I^s **3 cr**
 This course will explore the fundamental methods of making ceramic forms as well as glazing and firing. This course is specially designed to meet the requirements necessary for Visual Art Education students but is open to all students. This course will explore functional ceramics and sculptural forms. A \$125 course fee required.

ART2081 Photography I^s **3 cr**
 Introduction to basic digital camera body, lens functions, exposure and foundational workflow for digital photography, including image editing, file archiving and printing. A \$75 course fee required.

ART2251 Sculpture I^s **3 cr**
 An introductory-level sculpture course exploring the use of sculptural techniques, materials and strategies. Emphasis is placed on understanding the history of and current trends within contemporary sculpture, as well as applying that knowledge in the creation of a variety of sculptural forms. A \$75 course fee required.

ART3112 Drawing II^s **2 cr**
(PQ: ART1011) A higher-level, studio-intensive drawing course which explores alternative drawing techniques and materials with the still life and the figure. Specific studies with media include chalk and conte, metalpoint and transfer drawings. Advanced work in gesture and anatomy studies of the human figure are included. **Note:** This course is designated as repeatable and may be repeated two times for credit after the original taking of the course. A \$75 course fee required.

ART3162 19th and 20th Century Art History **2 cr**
 A course focusing on the development of art during the 19th and 20th centuries.

ART3223 Print II, III, IV^s **3 cr**
(PQ: ART2021) A continuation of printmaking that explores advanced techniques to provide deeper understanding of artistic processes and possibilities of expression. **Note:** This course is designated as repeatable and may be repeated three times after the original taking of the course. A \$75 course fee required.

ART3233 Painting II, III, IV^S **3 cr**
(PQ: ART2031) An advanced painting course in oil and water-based media. Emphasis is placed on exploring ideas and concepts integrated with personal expression and critical judgments about art. **Note:** This course is designated as repeatable and may be repeated three times after the original taking of the course. A \$75 course fee required.

ART3243 Ceramics II^S **3 cr**
(PQ: ART2048) A continuation of ceramics exploring wheel thrown functional objects, clay forming, handbuilding, and firing techniques. The history of ceramics, glaze formulation, and firing processes also receive attention. A \$125 course fee required.

ART3253 Sculpture II, III, IV^S **3 cr**
(PQ: ART2251) A higher-level, studio-intensive course exploring sculptural expression through a variety of techniques and ideas. The course includes instruction in plaster building and casting, stone and wood carving and metal casting. The history of sculpture and its current trends is also incorporated into the making process. **Note:** This course is designated as repeatable and may be repeated three times after the original taking of the course. A \$75 course fee required.

ART3265 Art Since 1945 **2 cr**
 A survey of contemporary fine art since WWII. Emphasis is placed on learning key artists and art movements, as well as understanding their impact on the history of art and the broader culture. A variety of images and films will be discussed.

ART3267 Themes in Art History^{WCE} **4 cr**
(PQ: ENG2205 or ENG2825, and sophomore standing) A course focusing on the themes and developments of art and culture with a primary focus on western art traditions but will include themes from Asia, India, Africa and South America.

ART3322 Photography II^S **3 cr**
(PQ: ART2081) An advanced photography experience with an emphasis placed on exploring ideas and concepts integrated with personal expression as well as an understanding of the historical and critical context of photography. A \$75 course fee required.

ART3365 Aesthetics **2 cr**
(PQ: junior standing or consent of instructor) A survey of the history of Aesthetics and the philosophy of art. A variety of current and historical topics in the theory and philosophy of art will be explored through studying the works of important artists and philosophers.

ART4855 Senior Seminar in Art^{S OCE} **3 cr**
(PQ: SPE1075 or SPE1825, and senior standing in art major) This capstone course is a directed study with a member of the Art & Design faculty. It is designed to address production and content issues particular to each student. The primary focus of this seminar is to build professional practices related to portfolio creation, thesis exhibition, artist statement, and artist talks—skills that are necessary to apply for grants, graduate school, professional exhibitions, and academic jobs. A \$75 course fee required.

ART4995 Art Internship **1–4 cr**
(PQ: SPE1075 or SPE1825, consent of faculty supervisor, and internship registration form) Supervised work experience in a real-world setting requiring organizational, administrative, technical, and/or artistic skills in an arts or arts management setting. Forty hours of on-site work is required per credit. **Note:** This course is designated as repeatable. See page 25 for note regarding internships.

Athletics – Intercollegiate

Note: Courses in this section are designated as repeatable.

ATH2000 Intercollegiate Cross-Country–Men **0–1 cr**
ATH2005 Intercollegiate Cross-Country–Women **0–1 cr**
ATH2010 Intercollegiate Football–Men **0–1 cr**
ATH2020 Intercollegiate Golf–Men **0–1 cr**
ATH2025 Intercollegiate Golf–Women **0–1 cr**
ATH2030 Intercollegiate Soccer–Men **0–1 cr**
ATH2035 Intercollegiate Soccer–Women **0–1 cr**
ATH2045 Intercollegiate Volleyball–Women **0–1 cr**
ATH2050 Intercollegiate Basketball–Men **0–1 cr**

ATH2055 Intercollegiate Basketball–Women **0–1 cr**
ATH2060 Intercollegiate Baseball–Men **0–1 cr**
ATH2065 Intercollegiate Softball–Women **0–1 cr**
ATH2070 Intercollegiate Tennis–Men **0–1 cr**
ATH2075 Intercollegiate Tennis–Women **0–1 cr**
ATH2080 Intercollegiate Track–Men **0–1 cr**
ATH2085 Intercollegiate Track–Women **0–1 cr**
ATH2090 Intercollegiate Lacrosse–Men **0–1 cr**
ATH2095 Intercollegiate Lacrosse–Women **0–1 cr**

Bible

BIB2005 Survey of the Old Testament^{# +} **4 cr**
 A survey of the 39 books of the Old Testament with emphasis on historical setting and literary features. Equivalent to satisfy BIB1009 (see College of Graduate, Online, & Adult Learning catalog). Credit for the course may be achieved through a locally prepared examination.

BIB2008 Survey of the New Testament^{# +} **2 cr**
 A survey of the 27-books of the New Testament with emphasis on historical setting and literary features. Equivalent to BIB1019 (see College of Graduate, Online, & Adult Learning catalog). Credit for the course may be achieved through a locally prepared examination.

BIB2826 Honors Survey of the New Testament **2 cr**
(PQ: ACT Composite score of 27 or above [SAT score of 1280 or above, or CLT score of 85 or above], or high school cum GPA of 3.7 or higher or consent of instructor) A study of the socio-historical setting, literary

genres and theological message of the New Testament. Students study the process by which the New Testament was established, the relationship of the Old Testament to the New Testament and critical methods of New Testament scholarship. BIB2826 is a repeat of BIB2008.

BIB2827 Honors Survey of the Old Testament **4 cr**
(PQ: ACT Composite score of 27 or above [SAT score of 1280 or above, or CLT score of 85 or above], or high school cum GPA of 3.7 or higher or consent of instructor) A survey of the 39 books of the Old Testament with emphasis on historical setting and literary features. BIB2827 is a repeat of BIB2005.

BIB3015 Matthew^{}** **4 cr**
 An exposition of the Gospel of Matthew, examining the authorship, date, setting, argument and theology of the book.

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BIB3016 Mark[#] **2 cr**
An exposition of the Gospel of Mark, examining the authorship, date, setting, argument and theology of the book.

BIB3017 Luke^{#}** **4 cr**
An exposition of the Gospel of Luke, examining the authorship, date, setting, argument and theology of the book.

BIB3018 John^{}** **4 cr**
An exposition of the Gospel of John, examining the authorship, date, setting, argument and theology of the book.

BIB3020 Life of Christ[#] **2 cr**
A study of the life and teachings of Jesus as found in the four gospels within their historical context. Credit from BIB2229 (see College of Graduate, Online, & Adult Learning catalog) may count toward/for BIB3020.

BIB3045 Theology for Social Engagement. **2 cr**
The course will explore how the Scripture informs a Christian understanding of critical social issues. The course will study various systems of theology and their ability to speak effectively into the social issues related to race, economics, and gender. The course will also explore the church's relationship to the state in these areas.

BIB3115 Romans. **2 cr**
An exposition of Romans with an emphasis on Paul's theological message.

BIB3117 Galatians. **2 cr**
An exposition of Galatians with an emphasis on Paul's theological message.

BIB3155 The Holy Spirit in the Christian Life. **2 cr**
This course will examine what the Bible teaches us about the Holy Spirit and his work in our lives. It will pursue understanding of how he functioned in the life and earthly ministry of Jesus; of the fundamental relation between our minds and the work of the Holy Spirit within and among us; and of what it means to "walk in the Spirit."

BIB3216 1–2 Corinthians^{}** **4 cr**
An expositional study of 1–2 Corinthians, examining the authorship, setting, message and theology of the books.

BIB3217 Hebrews and General Letters^{}** **4 cr**
A rapid exposition of Hebrews, James, 1–2 Peter and Jude, studying their purposes, unifying principles, theological distinctives and uses of the Old Testament.

BIB3218 Revelation. **4 cr**
An exposition of the book of Revelation, studying its authorship, date, setting, literary structure, use of the Old Testament, themes, theology and contribution to biblical prophecy and the plan of God.

BIB3219 Prison Letters **2 cr**
An exposition of four New Testament letters written from prison – Ephesians, Philippians, Colossians and Philemon – with attention to their individual messages, themes, theology and unity.

BIB3221 Gospels. **2 cr**
An exposition of the four gospels which emphasizes the theological message as discovered in the unfolding of the narrative within its historical context.

BIB3223 Pauline Epistles^{}** **2 cr**
An exposition of Paul's letters which emphasizes the historical setting and theological message.

BIB3225 Acts of the Apostles^{}** **2 cr**
An expositional study of the book of Acts, emphasizing the birth and growth of the Church as the gospel message spread through Asia and Europe. Particular attention is devoted to applying principles gleaned from biblical, historical narrative to contemporary Christianity.

BIB3227 1–2 Thessalonians^{}** **2 cr**
An exposition of 1–2 Thessalonians, studying their purposes, unifying principles and theological distinctives.

BIB3228 Pastoral Letters^{}** **2 cr**
An exposition of 1–2 Timothy and Titus, addressing both doctrinal and practical elements. Special attention is directed to pastoral and church problems and challenges.

BIB3231 Pentateuch^{*} **4 cr**
A rapid exposition of Genesis, Exodus, Leviticus, Numbers and Deuteronomy, examining the authorship, composition, historical setting, theology and unity of the Pentateuch. Later understanding of the Pentateuch by Old and New Testament writers is addressed.

BIB3234 Minor Prophets **2 cr**
A rapid exposition of the twelve Minor Prophets, Hosea through Malachi. Attention is directed to each book's authorship, date, historical setting, message and theology.

BIB3235 Genesis[#] **4 cr**
An expositional examination of Genesis: its structure, historical background, message and themes. Study of the book's argument and theology addresses topics such as creation, sin, humanity, law and covenant.

BIB3236 Selected Psalms **2 cr**
An expositional study of selected types of psalms, with consideration to their poetic forms, figures of speech, theology, interpretive difficulties and messianic significance.

BIB3237 Isaiah^{}** **4 cr**
An expositional study of Isaiah: its authorship, historical background, structure, message and theology. The study draws out Isaiah's prophetic significance, its use by New Testament authors and its importance for messianic understanding of Jesus.

BIB3238 Daniel[#] **2 cr**
An exposition of the book of Daniel, including its authorship, date, historical setting, literary genre, prophetic message and authenticity.

BIB3245 Proverbs and Song of Solomon **2 cr**
An expositional study of Proverbs and Song of Solomon. Focus is directed to poetic forms, genres, theology and the practical application of these books.

BIB3246 Old Testament Historical Writings^{}** **4 cr**
A rapid exposition of Joshua, Judges, 1–2 Samuel and 1–2 Kings: their authorship, dates, historical setting, message and theology. The contribution of Ruth to the period is also studied.

BIB3825 Honors Topics in Old Testament Exposition^{}** **2–4 cr**
(PQ: ACT Composite score of 27 or above [SAT score of 1280 or above or CLT score of 85 or above], or high school cum GPA of 3.7 or higher, or consent of instructor) Each of the offerings of this course focuses on an Old Testament book or grouping of books; specifically addresses its more specialized, technical and problematic issues; and interacts with the work of scholars who have made special contributions to the field of study.

BIB3826 Honors Topics in New Testament Exposition** 2–4 cr
(PQ: ACT Composite score of 27 or above [SAT score of 1280 or above or CLT score of 85 or above], or high school cum GPA of 3.7 or higher, or consent of instructor) Each of the offerings of this course focuses on a New Testament book or grouping of books; specifically addresses its more specialized, technical and problematic issues; and interacts with the work of scholars who have made special contributions to the field of study.

BIB3827 Honors Topics in Old/New Testament Exposition** 2–4 cr
(PQ: ACT Composite score of 27 or above [SAT score of 1280 or above or CLT score of 85 or above], or high school cum GPA of 3.7 or higher, or consent of instructor) Each of the offerings of this course focuses on Old and New Testament books or grouping of books as specified in the class schedule. Each course offering moves quickly through the basic content of the biblical book(s) to focus on more specialized, technical, and problematic issues. Some of the issues that are examined critically include introductory matters (authorship, date, provenance, purpose, and literary background), structure, theology, and use in the Old or New Testament. Emphasis is given to interaction with the work of Old or New Testament scholars who have made special contributions to the book(s) studied.

BIB4360 Systematic Theology# 4 cr
(PQ: junior standing or consent of instructor) The study of Evangelical Christian beliefs and their relationship to other belief systems as well as their relevance to contemporary discussions both inside and outside of the church.

BIB4365 Historical Theology# 4 cr
(PQ: junior standing or consent of instructor) The study of theology that examines the development of key doctrines throughout the history of the church.

BIB4460 Biblical Theology# 4 cr
(PQ: junior standing or consent of instructor) The study of theology that identifies the themes emerging from the various books of the Bible and explains their contribution to the progress of divine revelation.

BIB4825 Honors Systematic Theology* 4 cr
(PQ: ACT Composite score of 27 or above [SAT score of 1280 or above or CLT score of 85 or above], or UNW cum GPA of 3.6 or higher, or consent of instructor) The study of Evangelical Christian beliefs and their relationship to other belief systems as well as their relevance to contemporary discussions both inside and outside of the church. BIB4825 is a repeat of BIB4360.

BIB4835 Seminar in Theological Method* # OCE 4 cr
(PQ: BIB4360 or BIB4825 or BIB4365 or BIB4460 and SPE1075 or SPE1825; or consent of instructor) An integration of the historical, methodological and hermeneutical aspects of theology as well as a survey of its various methods and trends, enabling the student to begin constructing his/her own theological methods for doing systematic theology within the life and mission of the Church.

BIB6211U Interpreting the Pentateuch* 4 cr
(PQ: acceptance into an accelerated graduate program) An exposition of the first five books of the Old Testament, emphasizing the historical setting and theological message.

BIB6214U Interpreting the Gospels 2 cr
(PQ: acceptance into an accelerated graduate program) A study of the historical, theological, and exegetical issues in the four gospels. The application and assessment of critical methods are emphasized.

BIB6215U Interpreting Acts** 2 cr
(PQ: acceptance into an accelerated graduate program) An exposition of Acts that emphasizes the historical setting and theological message.

BIB6216U Interpreting the Pauline Epistles** 2 cr
(PQ: acceptance into an accelerated graduate program) A study of the historical, theological, and exegetical issues in each of Paul's letters. Special attention is given to interpretive problems and contemporary discussions related to the study of Pauline literature.

BIB6312U Biblical Theology of the Old and New Testaments 4 cr
(PQ: acceptance into an accelerated graduate program) A study of current methods and issues in the field of biblical theology, with emphasis on application to Old and New Testament books. Students will develop theological categories from the text and identify the variety and unity of theological themes.

Biblical Arts

BIA1007 Christian Thinking & Living# 2 cr
A study of basic Christian teachings to cultivate a distinctively Christian mindset and godly character including biblical principles of Christian discipleship and moral decision-making.

BIA1015 Interpreting Scripture# 2 cr
A study of the Bible as the Word of God and of the proper methods of interpretation for spiritual transformation.

BIA1826 Honors Christian Thinking & Living 2 cr
(PQ: ACT Composite score of 27 or above [SAT score of 1280 or above or CLT score of 85 or above], or high school cum GPA of 3.7 or higher, or consent of instructor) A study of basic Christian beliefs and values in the cultivation of a Christian mindset and character. This includes principles for spiritual growth and moral decision-making. BIA1826 is a repeat of BIA1007.

BIA1827 Honors Interpreting Scripture 2 cr
(PQ: ACT Composite score of 27 or above [SAT score of 1280 or above or CLT score of 85 or above], or high school cum GPA of 3.7 or higher, or consent of instructor) A study of the Bible as the Word of God and of the proper methods of interpretation for spiritual transformation. BIA1827 is a repeat of BIA1015.

BIA3235 Second Temple Judaism* # 4 cr
A study of Jewish civilization from 538 B.C. to A.D. 135 as an aid to understanding both the formation of the Old Testament and the rise of Christianity. Primary emphasis is on political and social history, with considerable attention to the literary materials of the period.

BIA3236 Biblical Customs and Geography* # 4 cr
A study of the geography of the Fertile Crescent with special emphasis on Israel and Judah. Selected customs of the ancient Hebrews and surrounding peoples are studied for the light that they shed on Scripture.

BIA4837 Seminar in Exegetical Method* # WCE 4 cr
(PQ: ENG2205 or ENG2825; ACL2002; 4-credit Bible exposition course) A senior-level course in exegetical method for Biblical & Theological Studies majors helping them refine their exegetical skills by having them apply those skills to the study of passages from several genre of biblical literature. Students work through the process of exegesis on the assigned passages of Scripture and present the results of their exegesis in exegetical papers.

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BIA5015U Biblical Hermeneutics*^{WCE} 4 cr
 (PQ: ENG2205 or ENG2825, and acceptance into an accelerated graduate program) An advanced course in hermeneutics in which students will learn about the formation of the Bible, the history of biblical interpretation, modern critical methods, and current challenges to biblical interpretation.

BIA5021U Apologetics 2 cr
 (PQ: acceptance into an accelerated graduate program) A rational defense of the Christian faith, with emphasis on critical thinking, theistic arguments, the problem of evil, and other challenges to Christian belief.

Biology

Directed studies are available. See pages 26–27.

BIO1007 DNA: The Language of Life* 2 cr
 A survey of the field of genetics for non-biology majors. Students will learn about the structure and function of DNA, how it is passed on from parents to offspring and how it is studied and manipulated for human good. Discussion of the social, legal and ethical implications of the genetics will be included. Lab activities may be included.

BIO2015 Sustainable Urban Agriculture 2 cr
 This course will introduce students to small scale food systems. Students will encounter the interactions between social and biological systems involved in food production. Emphasis will be placed on small scale sustainable agriculture.

BIO1008 Microbes and Society* 2 cr
 A survey of the field of microbiology for non-science majors. Students learn about microorganisms and viruses and their importance in human health, medicine, industry, food production and the environment. Discussion of societal challenges surrounding the topics is emphasized. Course activities include lecture, discussion, group work, hands-on activities and laboratory experiments.

BIO2016 Our Changing Climate. 2 cr
 This course seeks to help students understand more about the topic of climate change by addressing the following questions: What is global warming all about? Is it real? Are we to blame? How does faith inform our understanding of it? This course will include work in ecology, environmental studies, geology, social science, political science, economics, and other disciplines to give a well-rounded view of the current research and debate on whether our climate is changing, and if so, what are the possible causes. This course is intended to disentangle the complex web of climate change science for informed decision making.

BIO1009/1009L Concepts of Biology[§] 4 cr
 (NOT available to students who have received a grade of C- or better in any college-level BIO course. Not intended for biology majors.) A survey of the field of biology intended to promote an understanding of basic biological principles and how these principles can be applied in everyday life. Topics covered in the course may include cell structure and function, human anatomy and physiology, genetics, biotechnology, microbiology, ecology, bioethics, evolution and creation. Three lectures and one two-hour lab per week. A \$200 laboratory fee required. Concurrent registration required in lecture and lab.

BIO2113/2113L Principles of Biology III[§] 4 cr
 (PQ: C- or better in BIO1011) This course is designed to introduce the student to major concepts of the life sciences with an emphasis in botany, environmental science and ecology. The course includes discussion of basic ecological principle such as the role of natural and sexual selection, discussion on the different theories on the origins of species from various perspectives, species interactions, population dynamics and landscape and community processes. Introduction of plant structure and function, human impact on biodiversity and environmental stewardship are also discussed. Three hours of lecture, one two-hour lab per week. A \$200 laboratory fee required. Concurrent registration required in lecture and lab.

BIO1011/1011L Principles of Biology I[§] 4 cr
 (PQ: high school biology or C- or better in BIO1009; high school chemistry is strongly recommended) A foundational course for science and preprofessional majors that includes introductory molecular and cellular structure and function, cellular and species continuity and introductory physiology. Intended for biochemistry, biology, engineering, health sciences, kinesiology, mathematics education, nursing or physical education majors or coaching minors. Three lectures and one two-hour lab per week. A \$200 laboratory fee required. Concurrent registration required in lecture and lab.

BIO2116/2116L Animal Biology*[§] 4 cr
 (PQ: C- or better in BIO1012) Comparative study of structure and function of key animal phyla with an overview of the medical, ecological and economic impact of animals. Three lectures and one two-hour lab per week. A \$200 laboratory fee required. Concurrent registration required in lecture and lab.

BIO1012 Principles of Biology II. 4 cr
 (PQ: C- or better in BIO1011) A continuation of BIO1011 with an emphasis on organismal biology. This course includes a survey of eukaryotic metazoan animals with a study of anatomical structure and function, taxonomy, reproductive biology and development. Three lectures per week (no laboratory).

BIO2825/2825L Honors Topics in Biology*[§] 2 or 4 cr
 (PQ: ACT Composite score of 27 or above [SAT score of 1280 or above, or CLT score of 85 or above, or high school cum GPA of 3.7 or higher] or consent of instructor) A study of a specialized aspect of biology curriculum that includes contemplation of the natural world. The laboratory component may consist of an intensive field trip to a specialized ecosystem or habitat. For 4 credit course only: \$200 laboratory fee required; concurrent registration required in lecture and lab.

BIO1025 Medical Terminology^{##} 2 cr
 A concise course that provides practice in the definition and use of medical terms. The course includes the analysis of words based on combining forms, prefixes and suffixes. Intended to fulfill the admission requirement for many health profession graduate programs; also benefits pre-medicine and pre-dentistry students. Only offered through Dual Enrollment. This course does not fulfill the core curriculum Natural Science requirement within the Scientific & Quantitative Literacy section.

BIO3015/3015L Field Ornithology[§] 4 cr
 This summer course will use time in the field (outdoors) to study the biology, ecology, diversity, behavior and field identification of birds. Laboratory will be integrated into class time. Special attention will be paid to local species of the upper Midwest. Additionally, this course will explore how birds reveal lessons on Christianity and the nature of God. A \$200 laboratory fee required. Concurrent registration required in lecture and lab.

- BI03017 Analysis of Vegetative Communities Lab** **2 cr**
Plant ecology and distribution are integrated into a survey of the plant taxa. Focus of course will be on tree and shrub ID and field research techniques. Meets for one three-hour lab per week.
- BI03145/3145L Microbiology^s** **4 cr**
(PQ: C- or better in BIO1011) A survey of microorganisms and viruses and their importance to humans in agriculture, medicine, industry and the environment. Lab work emphasizes culture techniques and the characteristics of microorganisms. Three lectures and one two-hour lab per week. A \$200 laboratory fee required. Concurrent registration required in lecture and lab.
- BI03157/3157L Human Anatomy^s** **4 cr**
(PQ: C- or better in BIO1011 or C- or better in HPE2175) A study of the structure of the cells, tissues and organs of the various organ systems of the human body. Included are the integumentary, skeletal, muscular, respiratory, digestive, circulator, nervous, endocrine, excretory and reproductive systems. Three lectures and one two-hour lab per week. A \$200 laboratory fee required. Concurrent registration required in lecture and lab.
- BI03158/3158L Human Physiology^s** **4 cr**
(PQ: C- or better in BIO1011) A study of the mechanisms and interrelationships of the following body systems: nervous, endocrine, muscle, circulatory, respiratory, renal, digestive, metabolic, immune and reproductive. Special emphasis is given to those interactions contributing most to homeostasis. Three lectures and one two-hour lab per week. A \$200 laboratory fee required. Concurrent registration required in lecture and lab.
- BI03159 Pathophysiology** **4 cr**
(PQ: C- or better in BIO3158) A focused course that introduces students to the physiology of disease in the human body. The course explores the patterns of disease in the body's major organ systems. Intended to fulfill the admission requirement for Nursing, Physician Assistant, Occupational Therapy and other health care professionals such as Medicine, Dentistry, Pharmacy, Chiropractic, etc.
- BI03175/3175L Ecology* ^s** **4 cr**
(PQ: C- or better in BIO2113) Basic concepts of ecology of population, communities and ecosystems, Analysis and synthesis of the interrelatedness of the living and non-living factors in the environment. Three lectures and one two-hour lab per week. A \$200 laboratory fee required. Concurrent registration required in lecture and lab.
- BI03231/3231L Biochemistry I^s** **5 cr**
(PQ: C- or better in BIO1011 and C- or better in CHE3101) Structural and integrated functions of carbohydrates, proteins, lipids and nucleic acids; biosynthesis, biodegradations, metabolic pathways and bioenergetics; quantitation of chemical equilibria. Three lectures and one three-hour lab per week. A \$200 laboratory fee required. Concurrent registration required in lecture and lab.
- BI03232 Biochemistry II*** **4 cr**
(PQ: C- or better in BIO3231) Builds upon Biochemistry I to describe biological regulatory processes at a greater breadth and depth; mechanisms by which cells store, replicate, repair and express genetic information; recombinant DNA technology. Three lectures per week.
- BI03236 Immunology*** **4 cr**
(PQ: C- or better in BIO1011 and C- or better in CHE3101; BIO3145 is recommended) Molecular and cellular bases for humoral immune responses: diversity of antibodies, their interactions with antigens and their measurement. Study includes cell-mediated immune responses, including histocompatibility systems, natural immunological tolerance and immune suppression. Three lectures per week.
- BI03246/3246L Genetics^s** **5 cr**
(PQ: C- or better in BIO1011 and C- or better in CHE3101) A detailed study of molecular genetics and classical Mendelian inheritance. Molecular topics include DNA structure, prokaryotic and eukaryotic gene expression, mutation, recombinant DNA technology and genomics. Three lectures and one three-hour lab per week. A \$200 laboratory fee required. Concurrent registration required in lecture and lab.
- BI03276/3276L Field Biology^s** **4 cr**
Exploration of techniques and procedures to design field experiments to further study plant biology, animal biology and ecological concepts. Two lectures and two two-hour labs per week. A \$200 laboratory fee required. Concurrent registration required in lecture and lab.
- BI03277/3277L Conservation Biology* ^s** **4 cr**
(PQ: C- or better in BIO2113) A survey of the distribution and management of natural resources with special emphasis on developing critical thinking skills and developing new solutions to problems of resource scarcity. Topics include: energy, water, air, food and biodiversity and other selected components of the lithosphere and hydrosphere. Economics, demographic, religious and political issues are considered as they affect resources. Three lectures and one two-hour lab per week. A \$200 laboratory fee required. Concurrent registration required in lecture and lab.
- BI03347 Cell Physiology** **4 cr**
(PQ: C- or better in BIO1011 and C- or better in CHE3101) Cell physiology is an in-depth study of the fundamentals of cell biology. This course will investigate the molecules involved in cell structure and function. Each organelle in the cell will be investigated on a physiological and ultrastructural level. Various types of plant and animal cells will be explored for unique functions based on the physiological needs of the organism. An emphasis on the different types of optics used in microscopy will be investigated as well as the primary techniques used in cell biology experiments. In addition, cellular metabolic pathways such as protein synthesis, cell signaling, protein folding, the cell cycle and membrane transport will be studied. This course intends to provide a comprehensive study of the physiological workings of cell and its structures.
- BI03348/3348L Cell Biology* ^s** **5 cr**
(PQ: C- or better in BIO1011 and C- or better in CHE3101) Cell and organelle organization and function; cellular transport and communication; specialized cell formation. Three lectures and one three-hour lab per week. A \$200 laboratory fee required. Concurrent registration required in lecture and lab.
- BI03835 Career Competencies Seminar** **1 cr**
(PQ: minimum of sophomore standing) Orientation and preparation for an academic internship. To be completed the semester immediately prior to enrolling in the internship course offered by the academic department.
- BI04355 Developmental Biology*** **4 cr**
(PQ: C- or better in the following: BIO1012 and BIO3145, BIO3231, BIO3246, or BIO3348) Vertebrate embryology including morphogenesis, differentiation and interactive biochemical control mechanisms. Three lectures per week.
- BI04359 Biotechnology Lab* ^s** **2 cr**
(PQ: C- or better in the following: BIO3145 or BIO3231 or BIO3246 or BIO3348) Practical experiences in molecular biology including DNA isolation and analysis, gene cloning, Southern Blotting, PCR amplification, agarose gels and PAGE, DNA fingerprinting as well as practical medical laboratory diagnostic techniques. Two two-hour labs per week. A \$200 laboratory fee required.

COURSE DESCRIPTIONS

BI04835 Senior Seminar^{OCE WCE} 2 cr
 (PQ: ENG2205 or ENG2825; SPE1075 or SPE1825; and at least junior standing as a biochemistry or biology major) A capstone course designed to provide an integration of concepts in the biological sciences, biochemistry and the health professions with a discussion of the ethics of applied biology and the health sciences as they pertain to a global and culturally diverse society.

BI04841 Research⁵ 0–2 cr
 (PQ: completion of at least 24 credits in the biology major) Students work closely with research mentor to learn literature search, proposal preparation for a research project, experimental protocols, data acquisition, statistics, manuscript preparation. Students will sign a

document including the University of Northwestern Policy on Original Research Data in order to register for all research courses. **Note:** This course is designated as repeatable and may be repeated for up to 8 total credits. Only 4 credits may be used toward completion of Biology Major credits. A \$200 research fee required.

BI04995 Biology Internship 1–4 cr
 (PQ: completion of at least 24 credits in the biology major; consent of faculty supervisor, and internship registration form) Supervised work experience in a biology lab or area related to career choice. **Note:** This course is designated as repeatable. See page 25 for note regarding internships.

Business

BUS1115 Introduction to Spreadsheets[#] 2 cr
 Students are introduced to spreadsheets through a hands-on experience. Students will learn to create and manipulate spreadsheets, enter formulas, copy and edit cell entries, create graphs, sort data, and print. The spreadsheet skills learned in this course are applicable in other business courses as well as being essential to employment opportunities.

BUS2011 Introduction to Business Analysis[#] 2 cr
 (PQ: BUS1115 recommended) This course provides an introduction to frequently used data analysis techniques that can aid business decision making. Data capture, processing, analysis, and presentation techniques will be introduced. Excel and other relevant software tools will be used to perform basic data analysis.

BUS2131 Business Japanese I^{} 4 cr**
 Intensive study of the Japanese language, specifically pertaining to business operations.

BUS2132 Business Japanese II^{} 4 cr**
 Continued study of the Japanese language, specifically pertaining to business operations.

BUS3005 Principles and Practices of Leadership⁵ 4 cr
 An introduction to the best practices, key competencies, strategies, and techniques of exceptional leadership. Students will explore various models and frameworks related to leading both themselves and others, in conjunction with exploration of personal identity and purpose presented through the Christ-centered model of servant leadership. Students will apply learnings in this course to define their unique Personal Leadership Blueprint, through reflection of their values, beliefs, passions, and calling. A \$35 assessment fee required.

BUS3235 Global Business 4 cr
 (PQ: MKT1085 and MGT2271 [C or better required in both]) A survey of the complexities, challenges and opportunities of engaging in international business, including consideration of entry strategies and MNC operations.

BUS3331 Business Law - Contract and Agency 3 cr
 A study of contracts and sales as the basic laws affecting business transactions. Also, law of principal and agency relationships.

BUS3835 Professional Skills Seminar⁵ 2 cr
 Students study and practice the professional skills necessary to be successful in business, with strong emphasis on written and oral communication. Additionally, a particular focus is on the skills essential to search for and secure an internship and full time employment. Students will develop and enhance their job acquisition skills, including networking, searching and targeting prospective employers, résumé development, professional communication and

interview skills. Proficiency in these activities are key for both the internship process and career development. This course should be completed in the semester immediately prior to taking ACC4995, BUS4995, BUS4996, FIN4995, or MKT4995. A \$50 course fee required.

BUS4332 Business Law - Partnerships and Corporations 2 cr
 (PQ: C or better in BUS3331 and MGT2271) A study of the legal aspects of business relationships pertaining to partnerships and corporations. Law pertaining to negotiable instruments, property and secured transactions.

BUS4435 Business Ethics^{OCE WCE} 4 cr
 (PQ: junior standing; ENG2205 or ENG2825; SPE1075 or SPE1825; or consent of instructor) An understanding of personal and corporate integrity from a biblical perspective and resolving ethical dilemmas is emphasized. A comprehensive case analysis is required.

BUS4615 Practicum and Seminar in Leadership 4 cr
 This course provides students the opportunity to apply key concepts, models, and frameworks of leadership. In this application-focused course, students will interact with and study leadership in practice through leader interviews, guest speakers, case studies, and leading an initiative.

BUS4665 Global Experience Assessment 1 cr
 This course guides students through topics of research about global business centered on a short-term, cross-cultural, business-focused study abroad experience.

BUS4995 Business Administration Internship 1 cr
 (PQ: BUS3835, consent of faculty supervisor, and internship registration form) Supervised work experience related to student's major. Students may enroll for this course at various times as their schedules permit. **Note:** This course is designated as repeatable and may be repeated three times after the original taking of the course. See page 25 for note regarding internships.

BUS4996 Global Business Internship 1 cr
 (PQ: BUS3835, consent of faculty supervisor, and internship registration form) Supervised experience of three to six months' duration in China or another foreign country. **Note:** This course is designated as repeatable and may be repeated three times after the original taking of the course. See page 25 for note regarding internships.

BUS4998 Professional Experience Assessment 1 cr
 (PQ: consent of instructor) Students with clear career trajectory and substantial experience, either in an entrepreneurial endeavor or in succession opportunity in the same company, may be eligible to complete a Professional Experience Assessment in lieu of the traditional internship.

Business Administration

BUA5220U Human Resource Leadership **2 cr**
(PQ: admission to the B.S./graduate degree program) This course examines the role of the human resource management as a strategic component in managing and developing today's organizations. This course provides a strategic overview of the key concepts and principles of each human resource function, along with their practical implications for organizational development to various types of firms including entrepreneurial and global firms. Key functions such as recruitment, selection, development, appraisal, retention, compensation, and labor relations are examined. Implications of legal and global environments are appraised and current issues such as diversity training, sexual harassment policies, and rising benefit costs are analyzed.

BUA5420U Business Leadership Ethics^{OCE WCE} **4 cr**
(PQ: ENG2205 or ENG2825; SPE1075 or SPE1825; or consent of instructor; and admission to the B.S./graduate degree program) This course provides a well-rounded comprehensive study of industry and personal ethical dilemmas, integrating biblical principles and

perspectives. Using industry case studies, students will engage in background research, alternative analyses comparisons, consequence evaluation, faith integration, and decision justifications. Additional topics include business and personal ethics integration, personal and business ethical leadership, biblical short/long-term consequences evaluations, profit/loss implications, and senior management implementation considerations.

BUA5720U Managerial Finance **2 cr**
(PQ: C or better in FIN2221; or C or better in ACC2101, ACC2102, and ACC3201; and admission to the B.S./graduate degree program) This course is a study of the economic and financial structures of firms and their impact on the financial and operational requirements of firms. Topics include financial environment, stock and bond valuation, time value of money, capital budgeting, risk and rate of return, analysis of financial statements, project cash flows, cost of capital, financial planning, working capital policy, and managing short-term assets and liabilities.

Chemistry

Note: For all natural science courses, the student must earn a "C-" or better in all prerequisite courses.

CHE1006/1006L Concepts of Chemistry[#] **5 cr**
(PQ: One year of high school algebra or two years recommended. NOT available to students who have received a grade of C or better in any CHE course) A survey of chemistry and its applications, intended to promote understanding and literacy in the sciences in general and especially in the field of chemistry. Topics studied include the scientific method and its relationship to faith and reason; matter and energy; atomic and molecular structure; chemical bonding and intermolecular forces; chemical formulas and equations; water, acids and bases; oxidation-reduction reactions; and chemistry around the house. Students carry out the experiments at home using a small kit supplied by the campus store and readily available equipment, supplies and chemicals. This course fulfills the core curriculum Natural Science requirement within the Scientific & Quantitative Literacy section. Only offered through Dual Enrollment. Concurrent registration required in CHE1006 and CHE1006L.

CHE1021/1021L Principles of Chemistry I[§] **4 cr**
(PQ: One year of high school chemistry [or C- or better in CHE1006] and two years of high school algebra; course is intended for biochemistry, biology [major or minor], engineering, health sciences, kinesiology, mathematics, mathematics education and nursing majors only, or by consent of instructor) Fundamentals of measurement, the scientific method and its relationship to faith and reason, nuclear and electronic structure of the atom, chemical bonding, shapes and polarities of molecules, thermochemistry, stoichiometry and types of chemical reactions. The laboratory is integrated with the classroom sessions. Three lectures and one two-hour lab per week. Equivalent to CHE1121. A \$200 laboratory fee required. Concurrent registration required in lecture and lab. A \$75 CHE1021 course fee required.

CHE1022/1022L Principles of Chemistry II[§] **4 cr**
(PQ: C- or better in CHE1021 or CHE1121) A continuation of CHE1021. Gases, liquids, solids, solutions, solubility, acid-base chemistry, equilibrium, kinetics, thermodynamics and electrochemistry. The laboratory is integrated with the classroom sessions. Three lectures and one two-hour lab per week. A \$200 laboratory fee required. Concurrent registration required in lecture and lab. A \$75 CHE1022 course fee required.

CHE1121/1121L General Chemistry I[#] **5 cr**
(PQ: One year of high school chemistry [or C- or better in CHE1006] and two years of high school algebra, or consent of instructor.) Fundamentals of measurement, the scientific method and its relationship to faith and reason, nuclear and electronic structure of the atom, chemical bonding, thermochemistry, stoichiometry, types of chemical reactions, states of matter intermolecular forces. The hands-on exercises are integrated with the class topics. Equivalent to CHE1021. This course fulfills the core curriculum Natural Science requirement within the Scientific & Quantitative Literacy section. Only offered through Dual Enrollment. Concurrent registration required in CHE1121 and CHE1121L.

CHE3101/3101L Organic Chemistry I[§] **5 cr**
(PQ: C- or better in CHE1021) The focus of CHE3101, in one word, is structure. The structures and geometries of carbon-containing molecules, including the topics of isomerism and stereochemistry, are examined in great detail using models and spectroscopic techniques. It is the structure of molecules which enables one to understand chemical reactivity. Types of reactions and mechanisms studied include simple substitution, addition and elimination. Three lectures and one three-hour lab per week. A \$200 laboratory fee required. Concurrent registration required in lecture and lab.

CHE3102/3102L Organic Chemistry II[§] **5 cr**
(PQ: C- or better in CHE3101) This course is a continuation of the fundamentals of organic chemistry theory and practice introduced in CHE3101. Topics include structure, representation, and reactivity of aromatics, Diels-Alder adducts, carbonyl derivatives, biomolecules, radicals, and others along with corresponding laboratory techniques for preparation, purification, and characterization of the aforementioned, concluding with an introduction to medicinal chemistry and the drug discovery process. Three lectures and one three-hour lab per week. A \$200 laboratory fee required. Concurrent registration required in lecture and lab.

COURSE DESCRIPTIONS

CHE3321 Physical Chemistry I* **4 cr**
(PQ: C- or better in CHE1022 and C- or better in MAT2121) Principles of thermodynamics, physical and chemical equilibria, and kinetics and the applications of these principles to chemical and biochemical systems.

CHE4841 Chemistry Research⁵ **0–2 cr**
(PQ: completion of at least 24 credits in the biology or biochemistry major) Students work closely with research mentor to learn literature search, proposal preparation for a research project, experimental protocols, data acquisition, statistics, manuscript preparation. Students will sign a document including the University of Northwestern Policy on Original Research Data in order to register for all research courses. **Note:** This course is designated as repeatable and may be repeated for up to 8 total credits. Only 4 credits may be used toward completion of Biology Major or Biochemistry Major credits. A \$200 research fee required.

Chinese

CHN1001 Beginning Chinese I* ** **4 cr**
 The first of a two-course sequence. An introduction to the Chinese language and culture. Practice in listening, speaking, reading and writing. Emphasis on the development of communicative skills; individual expression within structured groups. No previous study of Chinese required.

CHN2101 Intermediate Chinese I* **4 cr**
(PQ: CHN1002) The first of a two-course sequence. This course reviews material and expands skills developed at the introductory level. An emphasis on the development of communicative skills. Class discussions in Chinese on contemporary cultural topics. Three 65-minute periods of lecture and one hour of lab per week.

CHN1002 Beginning Chinese II* ** **4 cr**
(PQ: CHN1001) The second of a two-course sequence. A continuation of the study of Chinese language and culture. Practice in listening, speaking, reading and writing. Continued emphasis on the development of communicative skills; individual expression within structured groups.

CHN2102 Intermediate Chinese II* **4 cr**
(PQ: CHN2101) The second of a two-course sequence. This course continues the development of speaking, listening, reading and writing skills through the study of advanced grammatical topics and the further acquisition of vocabulary. Class discussions in Chinese on contemporary cultural issues. Three 65-minute periods of lecture and one hour of lab per week.

Communication Directed studies are available. See pages 26–27.

COM2007 Introduction to Film **2 cr**
 An introduction to the history, theory and aesthetics of motion pictures. Emphasis is on the materials and methods of filmmaking and the criteria for analysis and evaluation of films. The relationships of film to art, literature, historical context, culture and industry are explored.

COM3106 Organizational Communication** **4 cr**
 A study of how communication organizes human actions and relationships in organizations. Attention is given to leadership, decision making, collaboration processes, and discussion techniques involving small task-oriented groups. The student studies different organizational structures and management philosophies, considering the role of communication in each. Projects are required to apply concepts studied.

COM2008 Film Appreciation## **3 cr**
 Film Appreciation is designed to give an awareness and understanding of motion pictures as a cultural art form. Students will develop a framework from which to analyze films critically, according to specific criteria and understand how film form and film content are interconnected. Students will also be introduced to different genres of movies and movements in film history. May be taken to count toward the Creative Expression requirement in the core curriculum. Equivalent to COM2007. Only offered through Dual Enrollment.

COM3107 Intercultural Communication **4 cr**
 An introduction to the practice of intercultural communication. The course is designed to help students develop competence in their interaction with persons from differing cultures. Topics include understanding and explaining diversity, perception, verbal and nonverbal codes, culture shock and ethical standards across cultures.

COM2107 Communication Theory **4 cr**
 A comprehensive examination of the theories of human communication, beginning with a review of the metatheoretical traditions informing communication research and progressing through the wide variety of communication theories developed from the 20th century to today. Students write papers, participate in online discussions and produce videos to demonstrate knowledge of theories and to demonstrate the ability to apply the theories to everyday communication and human interactions.

COM3108 Interpersonal Communication** **2 cr**
 Understanding and improving interpersonal communication. Theories of interpersonal communication will be explored and areas of competence in communication behavior will be developed.

COM3105 Gender and Family Communication* **4 cr**
 Analysis of marriage and family relationships and how effective communication helps those relationships. The role of gender in relation to communication within families and among family members is also explored. Self-concept, sending and receiving messages, nonverbal messages, decision making, setting and achieving goals, handling conflict and roles in society are some of the matters to be studied.

COM3135 Business Communication **2 cr**
(PQ: SPE1075 or SPE1825) Development of skills for writing effective business letters, memos and reports, presenting business reports orally, and writing letters of application and résumés.

COM4105 Mass Media and Society^{DCE WCE} **4 cr**
(PQ: SPE1075 or SPE1825; and ENG2205 or ENG2825) Mass communication and the new media technologies of cyberspace have become central to the psychological, social and political realities of the human experience. This course examines the processes and cultural factors which shape the form, content and consequences of communication through the major media, including books, newspapers, magazines, audio recordings, radio, television, film and new digital technologies.

COM4308 Communication Research Methods 4 cr
(PQ: COM2107 and MAT2055 or PSY3208) Course also listed as PRL4308. A survey and analysis of the most commonly used methods of social science inquiry relating to the communication discipline. Both qualitative and quantitative methods are examined. Students produce and present original research projects.

COM4841 Research 1–2 cr
(PQ: COM4308 or PRL4308 or consent of instructor) With the goal of presenting findings at a conference or publishing in an academic journal, students work closely with a research mentor faculty member

Computer Science

COS1011 Principles of Computing I 2 cr
 This course provides the student with an introduction to computer hardware, development of computer programs for problem solving through the use of algorithms and pseudocode, data communications, fundamentals of computer security, and use of computer hardware.

COS2005 Python Programming# 4 cr
 This course uses a popular computer language for the development of many types of computer applications. Topics include program design, program structure, debugging programs, computer language syntax, computer commands, assignments and expressions, system inputs and outputs, variables, data types, loops and structured control. The course continues with additional topics such as object types, numerical types, strings, lists, using files, data analysis, functions, scope of variables, arguments, modules, object-oriented programming, exceptions, and developing larger applications for data analysis.

COS2112 Principles of Computing II 2 cr
(PQ: COS1011) This course is a continuation of Principles of Computing I and provides the student with an introduction to data and databases, operating systems (Linux and Windows), and data analytics and data mining.

COS3001 C Programming Language 2 cr
 Fundamental principles of programming in the “C” programming language for those with some programming experience. Programming techniques, language, and vocabulary. In addition, materials cover variables identification, loops, conditionals statements, data transformations, arrays, pointers, and programming functions.

COS3002 C++ Programming Language 2 cr
 Fundamental principles of programming in the “C++” programming language. Object-oriented programming, classes, inheritance, and polymorphism. Exploration of algorithms including searching, sorting and optimization. Exploration of libraries for desktop applications, computer graphics, and machine learning.

COS3222 Digital Systems Design II 2 cr
(PQ: MAT3226) This is the second half of an introduction to digital logic and digital systems design. It is recommended for computer and electrical engineering students and some computer science majors. Topics include sequential logic, design of synchronous sequential logic, VHDL modeling, design of logic circuits. The course includes both lecture and lab components.

to learn literature search, proposal preparation for a research project, experimental protocols, Institutional Review Board process (as needed), data acquisition, statistics and/or manuscript preparation. **Note:** This course is designated as repeatable and may be repeated for up to 4 total credits.

COS4995 Communication Internship 1–4 cr
(PQ: junior or senior standing, consent of faculty supervisor, and internship registration form) Supervised work experience in communication. **Note:** This course is designated as repeatable. See page 25 for note regarding internships.

COS3267 Operating Systems Concepts* 4 cr
(PQ: CYS3065 or consent of instructor) This course provides the student with an overview of the principles upon which all operating systems are built. The concepts of file, processor, input/output and memory management are explored. In addition, higher-level concepts such as security, multiple processors, multitasking, concurrency and transaction processing are covered. Specific instances of popular operating systems are examined and put into context in light of the principles learned.

COS3271 Programming I – Java# 4 cr
(PQ: COS2005) This course presents sequential, functional, and object-oriented programming using a popular computer language in the context of an open-source community. Topics include classes, objects, events, methods, properties, syntax, program structure, data types, functions, loops, and conditional statements. Investigations of applications in data analysis and artificial intelligence.

COS3272 Programming II – Mobile Application Development 4 cr
(PQ: COS3271) This course focuses on the development of applications on mobile platforms. Emphasis is placed on the development of applications for current and emerging mobile computing devices. Students include the following factors into their development projects: platform capabilities, user characteristics and networking infrastructure. The course concludes with development of a major application for an off-campus organization.

COS4855 Senior Capstone* ^{OCE WCE} 2 cr
(PQ: C- or better in CYS3065; ENG2205 or ENG2825; and SPE1075 or SPE1825) The presence of information systems has changed the manner in which business is conducted and affects the day-to-day activities of a majority of employees in the workplace. The management of those systems requires an understanding of issues that fall outside the standard realm of management. This course provides the student with an understanding of the key issues related to the management of information systems and those who design and implement them.

COS4995 Computer Science Internship 0–4 cr
(PQ: consent of faculty supervisor and internship registration form) Supervised work experience in computer science. **Note:** This course is designated as repeatable. See page 25 for note regarding internships.

COURSE DESCRIPTIONS

Criminal Justice**CRJ2125 Criminology[#] 4 cr**

An examination of the extent and nature of crime in the United States. Attention is given to theories of crime causation and an analysis of the social processes leading to criminal behavior.

CRJ3225 Criminal Justice. 4 cr

An examination of the philosophies, principles and social dynamics which have led to the current system of law and justice administration in the United States. Special attention is given to law enforcement, the court system, penal institutions and community corrections such as probation and parole.

CRJ3226 Corrections 4 cr

(PQ: CRJ2125 or CRJ3225 [one required but both recommended]) An examination of the historical development, theories and institutions of punishment, rehabilitation and social control. Special attention is given to jails and prisons, probation and parole and institutional and community corrections in the United States.

CRJ3228 Deviance^{OCE WCE} 4 cr

(PQ: CRJ2125 or CRJ3225 [one required but both recommended]; ENG2205 or ENG2825; and SPE1075 or SPE1825) An examination of the etiology of criminal behavior, with an emphasis on addictions and chemical abuse and how these relate to rehabilitation versus social control. Attention is also given to ways in which social inequality contributes to criminal behavior and its impact on the criminal justice system.

CRJ4325 Juvenile Delinquency 2 cr

(PQ: CRJ2125 or CRJ3225 [one required but both recommended]) This course examines the extent and nature of juvenile crime in the United States. It includes an overview of the juvenile justice system, the social and institutional contributors to delinquency, the historical foundations of juvenile justice and criminal law as it applies to juveniles. Emphasis is given to crime causation, to the family and to the community in both prevention and treatment of juvenile delinquency.

CRJ4327 Criminal Law 4 cr

(PQ: CRJ2125 or CRJ3225 [one required but both recommended]) An examination of the sociology of law, definitions of criminal behavior and defenses to criminal prosecution. Special attention is given to substantive law and to procedural law, such as constitutional issues surrounding arrest through incarceration.

CRJ4335 Police and Community 2 cr

(PQ: CRJ2125 or CRJ3225 [one required but both recommended]) This course addresses the historical, traditional and new order. Community policing, cultural and gender diversity, police ethics, mental illness issues and collaboration with community resources are all stressed as necessary for effective and efficient understanding of the role of law enforcement.

CRJ4425 Juvenile Procedures. 2 cr

(PQ: CRJ4325) This course examines the process and the law of the juvenile justice system in the United States. It includes a brief overview of the causation theories and societal institutions that contribute to the dysfunction of the juvenile delinquent. The main focus is on the legal chronological sequencing of the process and differentiating the juvenile justice system from the adult justice system. It examines the history of juvenile law to the most recent U.S. Supreme Court Ruling on the death penalty for juveniles (March 1, 2005). This course also focuses on school violence and the rights of students. It provides an in depth study of the various phases and complex nuances of juvenile law.

CRJ4426 Minnesota Criminal and Traffic Code*. 4 cr

(PQ: CRJ4327) This course is designed to give the student an understanding of the Minnesota Criminal and Traffic Codes. Emphasis is on the criteria established in the MNPOST learning objectives. Constitutional law, case law, state statutes and agency regulations will be integrated into lectures. Case studies, situational crises and legal situational dilemmas will be used in small group discussion and other problem solving exercises. The class is structured to help students interpret the law in both general and specific situations and to translate legal concepts into practical applications.

CRJ4435 Issues in Policing* 2 cr

(PQ: CRJ4335) This course is designed to bring a critical thinking approach to the current issues in law enforcement. Topics will be added and/or dropped at the discretion of the instructor. Because modern policing issues change rapidly and are often controversial, the focus will be on the "hot issues and trends." The class is an interactive experience with small group activities, role play, student presentations and guest speakers.

CRJ4995 Criminal Justice Internship. 1–8 cr

(PQ: consent of faculty supervisor and internship registration form) Supervised work experience in criminal justice. **Note:** This course is designated as repeatable. See page 25 for note regarding internships.

Cybersecurity**CYS2081 Data Communications I*. 4 cr**

This course provides the student with a comprehensive overview of the broad topic of data communications. The ISO OSI model for data communications is used as a framework. The ideas of LANs, WANs and the World Wide Web are discussed, as are the concepts of security, network architectures and network management and administration. Examples from modern computer networks are utilized.

CYS2269 Computer Security Fundamentals. 4 cr

(PQ: CYS2081) This course covers an introduction to the concepts of security. These concepts are applied to areas such as programming, databases, networks, systems and applications. The course covers general concepts and specific instances of security related threats. In addition, compliance issues are discussed such as Sarbanes-Oxley reporting and the Health Insurance Portability and Accountability Act (HIPAA).

CYS3065 Systems Analysis and Design. 4 cr

This course presents an overview of the systems-development life cycle with emphasis on the analysis and design phases of software development. The student learns to use one of the popular analysis and design methodologies and a software tool supporting the methodology.

CYS3265 Tools and Techniques in Computer Science and Cybersecurity[§]. 4 cr

(PQ: CYS2269) This course will examine tools and techniques used in computer science for software development. The course includes an emphasis on applicability to cybersecurity. Topics include: DevOps (for example CI/CD pipelines and Jenkins), Containerization (for example OpenShift, Kubernetes and Docker), and Cloud-deployment. Discussion of the use of the above methods to deploy in cloud environments, considerations unique to commercial clouds such as resiliency and scaling. We may also look at virtualization and

orchestration tools (for example VMware, Chef, SaltStack, Puppet, and Ansible), and the differences between imperative and declarative approaches. The course includes a substantial lab and hands-on component, which investigates the use of course tools. A \$100 course fee is required.

CYS4245 Cybersecurity: Current Practices and Trends 4 cr
(PQ: CYS2269) This course examines three broad areas related to cybersecurity: tools, trends, and risk. Exploration of tools will include current tools for: Data Loss Prevention (DLP), Proxy/Decrypt, DNS security, Web Application Firewalls (WAF), Threat Intelligence, and Sandboxing. Trends discussion will look at how enterprises are shifting their investment in security tools, from on-premises gear, towards cloud-based solutions including OpenSource, SASE (Secure Access Service Edge), CASB (Cloud Access Security Broker), and SWG (Secure Web Gateway). Exploration of risk will include tools and methods around security program management, audit, and legal issues.

CYS4369 Introduction to Cryptography 2 cr
(PQ: CYS2269) Introduction to Cryptography focuses on the need to provide secure communications through an insecure medium, namely the Internet. Firms and individuals now see the need for anonymity, non-repudiation, traceability, and authenticity. Each of these needs rely on security mechanisms. This course provides the learner with tools and techniques to create a foundation of secure transmissions. Different levels of security, various security objectives, and a variety of cryptographic techniques will be introduced in this course.

Data Analytics

DAL2012 Introduction to Data Analysis 2 cr
(PQ: BUS2011 or MAT2055) This course provides an introduction to simulation and optimization techniques that are foundational to data analysis and real-world decision making. Topics include time series analysis, linear and non-linear optimization, decision analysis and Monte Carlo simulation. Applications in business, sports, medical and other contexts will be included.

DAL2235 Principles of Data Analytics[§] 4 cr
(PQ: MAT2055) This course provides an introduction to the field of data analytics, and the development and use of data warehouses and data marts to support business analytics. The use of key performance indicators, dashboards and scorecards for performance management and opportunity assessment are addressed. Text and web mining are discussed, and the application of selected data mining techniques to business decision making situations is illustrated. A \$200 course fee is required.

DAL3025 Data Visualization 2 cr
This course uses a popular data visualization system for developing data presentation skills. The material uses primarily dashboards for information monitoring, analyzes and providing a visual display of key performance indicators (KPIs). Topics include web-based data acquisition, text mining, using data dashboards, tracking important data (KPIs) for specific processes, storytelling, and using data to drive decisions.

DAL3255 Data Mining[§] 4 cr
(PQ: DAL2235) The data mining course presents methods and systems for mining varied data and discovering knowledge from data. After detailing a data mining system architecture and tasks, the course examines and compares specific methods in data mining, such as data preparation, classification, clustering, and text mining. Several applications are detailed, and tools to build new applications are provided. The task of knowledge discovery is then outlined as

CYS4465 Computer Firewalls and Penetration Testing 2 cr**
(PQ: CYS2269) This course presents the basics of VPN security and network firewalls. Basic installation techniques are covered along with how to make an intelligent choice of firewall technology. Basic firewall troubleshooting is also presented. This course aligns with the CheckPoint CCSA Certification outline.

CYS4466 Digital Forensics 2 cr
(PQ: CYS2269) An introductory course that provides the student with methods for conducting a computer forensics investigation including procedures, tools, ethics and analysis. This course maps to the objectives of the International Association of Computer Investigative Specialists (IACIS) certification.

CYS4855 Senior Capstone* OCE WCE 2 cr
(PQ: C- or better in MGT2271, CYS3065 or DAL2235; ENG2205 or ENG2825; and SPE1075 or SPE1825) The presence of information systems has changed the manner in which business is conducted and affects the day-to-day activities of a majority of employees in the workplace. The management of those systems requires an understanding of issues that fall outside the standard realm of management. This course provides the student with an understanding of the key issues related to the management of information systems and those who design and implement them.

CYS4995 Cybersecurity & Information Systems Internship 0–4 cr
(PQ: consent of faculty supervisor, and internship registration form) Supervised work experience in information systems. **Note:** See page 25 for note regarding internships.

a higher-level goal of data mining. Familiarity with statistics, and database systems, in particular database design, is expected. A \$200 course fee is required.

DAL4235 Big Data Analytics and Applications[§] 4 cr
(PQ: DAL2235) This course is designed to expose participants to the core concepts and topics of Big Data, to teach the trends and evolution in the field, expose learners to visualization tools, and to give recommendations to software, relevant articles, and research material. A \$200 course fee is required.

DAL4275 Business and Economic Forecasting[§] 4 cr
(PQ: DAL2235) This course is designed to expose participants to the development and utilization of forecasts. Emphasis on statistical methods (time series, regression, Monte Carlo simulation etc.) and software applied to quantitative forecasting. Specific applications include forecasting sales, market prices, inventory, and macroeconomic factors. A \$200 course fee is required.

DAL4855 Senior Capstone* OCE WCE 2 cr
(PQ: C- or better in MGT2271, CYS3065 or DAL2235; ENG2205 or ENG2825; and SPE1075 or SPE1825) The presence of information systems has changed the manner in which business is conducted and affects the day-to-day activities of a majority of employees in the workplace. The management of those systems requires an understanding of issues that fall outside the standard realm of management. This course provides the student with an understanding of the key issues related to the management of information systems and those who design and implement them.

DAL4995 Data Analytics Internship 0–4 cr
(PQ: consent of faculty supervisor, and internship registration form) Supervised work experience in data analytics. **Note:** This course is designated as repeatable. See page 25 for note regarding internships.

COURSE DESCRIPTIONS

Design

DES1031 Introduction to Layout[§] 2 cr
 A course introducing and refining skills in design software. Practical applications are explored in the areas of page layout, design and typography. Through a series of structured projects, students gain depth in understanding and using InDesign. Emphasis is placed upon technical proficiency. A \$75 course fee required.

DES2111 Introduction to Graphic Design[§] 2 cr
 (PQ: DES1031 or consent of instructor) An introductory overview of the design field with an emphasis on conceptual thinking and problem solving. Students gain experience in understanding the principles, theories and skills of design. This course employs the computer as a link between design and technology. A \$75 course fee required.

DES2235 Digital Illustration[§] 2 cr
 (PQ: DES1031 and DES2111) Digital illustration focuses on the use of digital tools to produce images under the direct manipulation of the artist, usually through a pointing device such as a tablet or a mouse. It is distinguished from computer-generated art, which is produced by a computer using mathematical models created by the artist. It is also distinct from digital manipulation of photographs, in that it is an original construction “from scratch.” (Photographic elements may be incorporated into such works, but they are not the primary basis or source for them.) A \$75 course fee required.

DES2236 Digital Imaging[§] 2 cr
 (PQ: ART1011 or ART1035; DES1031 and DES2111) Digital imaging focuses on the creation of digital images, typically using a camera, scanner or other physical input device to capture from the analog world. Course focuses on workflow, software and hardware, include the processing, compression, storage, printing and display of such images. A \$75 course fee required.

DES3069 Design History 2 cr
 This course provides a survey of the development of graphic and interface design, with particular attention focused on the relationship of design to other major art and cultural movements of the 19th through 21st centuries. These are viewed in the context of political, technological, scientific and cultural developments that occurred throughout modern history. Architecture, graphic design, industrial design, interior design, interface design, photography, painting, television, film, urban planning, web design and new technologies all affect each other in fluid and often unpredictable ways. We will observe and compare these relationships with respect to the growth of these disciplines and their roles in society and popular culture.

DES3106 Motion Design[§] 4 cr
 Course also listed as ANI3106. A course designed to explore the principles and processes of motion design through the use of digital

compositing tools. Special attention is given to the design processes used to create and manipulate visual and typographic sequences. Emphasis is placed on the relationship between the production methods and software supporting traditional and digital animation pipelines. A \$75 course fee required.

DES3212 Graphic Design II[§] 4 cr
 (PQ: DES2111, DES2235 and DES2236) An advanced course exploring new ways of combining words and images for effective communication. Students develop design solutions for specific projects by integrating images and text while exploring design history, the dynamics of typography and print production which are directly applicable to professional practice. A \$75 course fee required.

DES3215 Interactive Design[§] 4 cr
 (PQ: DES2235 and DES2236 or concurrently enrolled) A study of the process and principles driving web/app creation with time-based projects focusing on industry standard applications. A \$75 course fee required.

DES3271 Typography[§] 2 cr
 (PQ: DES2235) This course will explore both the history and contemporary practice of typography and type design from a designer’s point of view. Emphasis will be placed on investigating the processes followed by noted designers in order to inform and illuminate student’s personal work. A \$75 course fee required.

DES4313 Graphic Design III^{§ OCE} 4 cr
 (PQ: DES3212, and DES3215 or concurrently enrolled; and SPE1075 or SPE1825) An advanced course designed to provide several research-based professional level projects. Emphasis is placed upon personal portfolio development, refinement and career preparation. A \$75 course fee required.

DES4845 Senior Project in Graphic Design[§] 4 cr
 (PQ: DES4313) As the second semester of a year-long capstone experience, this advanced course provides students with extended studio investigation in faculty-guided research in an area of the student’s choosing. This course may be used in substitution of an internship. A \$75 course fee required.

DES4995 Graphic Design Internship 4 cr
 (PQ: DES4313 and senior standing, consent of faculty supervisor, and internship registration form) A field-based learning opportunity for professional work experience outside the classroom. Students choose part- or full-time work in an area of specific interest as a link to the professional world of design. Required 160 hours. **Note:** See page 25 for note regarding internships.

Economics Directed studies are available. See pages 26–27.

ECO2201 Principles of Economics I^{##} 4 cr
 An introduction to macroeconomic concepts including demand, supply, full employment, money, fiscal policy and monetary policy. Economic history from Adam Smith through communism, socialism and the expansion of capitalism is also studied. The role of public policy is investigated. Equivalent to ECO2211 and ECO2212. Only offered through Dual Enrollment.

ECO2202 Principles of Economics II^{##} 4 cr
 An introduction to microeconomic concepts emphasizing marginal analysis, the role of the firm, pure competition, monopolies and the role of government. Also included are income distribution, investment, labor economics and a large section of international economics. This course will also include a section of “Personal Financial Responsibility” (PFR). Equivalent to ECO2213. Only offered through Dual Enrollment.

ECO2211 Introduction to Economics 2 cr

This is an introductory course highlighting economic thinking. This course includes learning about scarcity and tradeoffs, economization, incentives, marginal decision making, uncertainty, secondary effects, subjective value, and basic economic theory. Differentiating between positive and normative thinking is emphasized. The basic supply-demand model is introduced and evaluated. The economics of political action is also introduced.

ECO2212 Principles of Macroeconomics. 2 cr

(PQ: ECO2211) This is an introductory course in Macroeconomics. This course includes learning about national income accounts, the

business cycle, the aggregate supply-demand model, employment theory, economic growth, fiscal and monetary policy, money and banking, inflation and international trade. Policy issues are also discussed.

ECO2213 Principles of Microeconomics 2 cr

(PQ: ECO2212) This is an introductory course in Microeconomics. This course includes learning about price and income elasticity, short run versus long run cost and revenues, economies of scale, price takers, price searchers, and profit maximization. The use of resources by households, firms, and industries is also discussed.

Education Directed studies are available. See pages 26–27.**EDU2215 Educational Foundations 2 cr**

(PQ: sophomore standing and must be taken concurrently with EDU2215L) Study of the history, philosophy and sociology of American education; administration and organization of schools; teachers' organizations; teacher roles; rewards and frustrations of teaching; influences on instructional decisions; rights and responsibilities of students and teachers; research on teaching and resources for professional growth. Course is taught with a decision-making perspective which encourages self-reflection about the professional fit with teaching. Pre-student teaching required.

EDU2215L Educational Foundations Lab. 0 cr

(PQ: Must be taken concurrently with EDU2215) Pre-student teaching field experience consisting of 20 hours in a school classroom.

EDU3209 Human Relations in a Cross-Culturally Diverse World 2 cr

(PQ: admission to a teacher education program and must be taken concurrently with EDU3209L.) The course is structured with the assumption that pre-service teachers enter the course with a basic understanding of the concepts associated with a solid biblical worldview and prior assumptions based on personal cultural experiences. The course design supports the process of advancing the personal, professional, cultural, historical, spiritual and experiential journey of pre-service teachers as they move from cultural awareness to cultural competence. The course design further supports pre-service teachers in gaining an understanding of how faith applies to embracing cultural diversity and building an inclusive learning environment for all students. The structure of the course is to support deep personal understanding of how faith formation influences the application of best practices in the field of teaching. The goal of the course is to provide pre-service teachers with methods for approaching educational topics from a biblical worldview in ways that are culturally relevant and that contribute to self-esteem and relationship-building of all students, thereby, promoting and building positive interpersonal experiences while avoiding dehumanizing biases, discrimination, marginalization and systemic prejudices sometimes found in the American educational system. Concurrent registration with EDU3285 and EDU3285L is recommended. Pre-student teaching field experience required (20 hours classroom and 30 hours community-based).

EDU3209L Human Relations Lab. 0 cr

(PQ: admission to a teacher education program or consent of the School of Education. Must be taken concurrently with EDU3209.) This lab experience consists of two field experience components that support the learning in EDU3209. Students complete a 20-hour field experience in a diverse school setting. In addition, students complete a 30-hour field experience that includes direct involvement with an ethnic or cultural group other than the student's

own within the continental United States. The service opportunities allow students to develop an understanding and respect for cultural differences. Concurrent registration with EDU3285 and EDU3285L is recommended.

EDU3215 Educational Psychology 2 cr

(PQ: admission to a teacher education program or consent of the School of Education, EDU2215 and PSY2108) This course is designed primarily for teacher education students to introduce them to research and theory from psychology that bears on the teaching discipline, including individual differences, intelligence, human growth and development, learning, cognition, motivation, and evaluation.

EDU3217 School Health and Drug Problems 2 cr

(PQ: sophomore standing) A study of the basic principles of health with an emphasis upon safety, personal hygiene and the use and misuse of chemicals. The approach is from the standpoint of personal prevention, need and responsibility in transferring these principles and biblical values to the school and community health programs. Mandatory reporting laws related to child abuse and neglect and other health issues are addressed.

EDU3225 Educating Multilingual Learners 2 cr

(PQ: admission to a teacher education program) This course supports the process of advancing the personal, professional, cultural, linguistic, spiritual and experiential journey of pre-service teachers as they move from linguistically proficient communicators to being able to support the development of multilingual student competencies. The course design further supports pre-service teachers in gaining an understanding of how faith applies to embracing language and building an inclusive language learning environment for all students. The structure of the course is to support deep personal understanding of how faith-based dispositions influence the application of best practices in the field of teaching. The goal of the course is to provide pre-service teachers with methods and resources for approaching educational topics with understandings of cognitive and metacognitive language required for strategic support of academic language success for all students, regardless of language proficiency level and prior academic experiences.

EDU3235 Instructional Foundations^{WCE} 3 cr

(PQ: admission to a teacher education program or consent of the School of Education; EDU2215; ENG2205 or ENG2825; and must be taken concurrently with EDU3301.) A study of the foundations and trends in curriculum development in grades PK–12 including: organizational patterns; planning, implementing and evaluating of daily lessons and integrated units; foundations of instructional methodology; classroom management and conflict resolution; and use of technology as an instructional tool.

COURSE DESCRIPTIONS

EDU3255 Content Area Reading 2 cr
(PQ: admission to a teacher education program or consent of the School of Education) This course is designed to provide secondary education and K–12 education majors with an understanding of how to teach reading with and through content texts. The course introduces candidates to reading processes and instructional strategies that promote fluency, vocabulary development, comprehension of text and application of critical thinking skills. Candidates will apply course content by planning learning experiences that establish a purpose for reading, utilize appropriate reading strategies and extend and/or apply knowledge gained from reading.

EDU3285 Educating Diverse Learners 2 cr
(PQ: EDU2215 and admission to a teacher education program or consent of the School of Education. Must be taken concurrently with EDU3285L.) A foundational course for understanding the complex and diverse learning styles found within the PK–12 system of education with a focus on the PK–12 levels. Topics for the course include the nature of learning, the influence of culture on learning and teaching strategies identified as “best practices.” An introduction to populations labeled at-risk, under-achiever and exceptional comprises a core segment of the course. Historical and contemporary perspectives on special populations within the PK–12 system are included, with an introduction to various types of formal and informal classroom assessments that can aid the classroom teacher in the intervention process. Ten hour field experience required.

EDU3285L Educating Diverse Learners 0 cr
(PQ: Must be taken concurrently with EDU3285) This lab experience consists of 10 hours of observation and supervised assistance in a PK–12 setting that is designated to meet the needs of students receiving services under IDEA.

EDU3301 Instructional Technology I: Foundations of Instructional Technology 1 cr
(PQ: admission to a teacher education program or consent of the School of Education. Must be taken concurrently with EDU3235.) In this course, students will develop knowledge and understanding of concepts related to technology and learning, technology applications of education, the role of continuous development of technology, knowledge and skills and the social, ethical, legal and human issues surrounding the use of information and technology in schools. This course will also provide students with skills and experiences of identifying technology resources for diverse learners, applying instructional media and technology and using technology resources of assessment to maximize student learning.

EDU3302 Instructional Technology II: Applications of Instructional Technology 1 cr
(PQ: EDU3301; concurrent registration in a methods course strongly recommended) This course provides students with skills and experiences for identifying and applying technology resources to meet the needs of diverse learners, using a variety of media and educational technology to enrich learning opportunities; managing technology resources and student learning in technology integrated environments, using appropriate assessment strategies; instruments and technologies to improve instruction and maximize student learning, continuing professional development in technology knowledge and skills; and applying their understanding of the social ethical, legal and human issues regarding technology use in PK–12 classrooms. Students have opportunities to apply and evaluate their understanding of concepts related to technology and learning and reflect on their practices of using technology to enhance teaching and learning.

EDU4415 Education Ethics^{OCE} 2 cr
(PQ: admission to a teacher education program and SPE1075 or SPE1825) A study of legal and ethical issues confronted by teachers within public and private school settings. Emphasis is on the development of decision-making skills which are biblically based and consistent with ethical codes recognized within the profession. A case study approach is used throughout the course.

EDU4835 Seminar in Professional Issues 1 cr
(PQ: admission to student teaching. To be taken concurrently with student teaching.) A study of PK–12 teachers as professionals with an emphasis on the relationship between theory and practice. Topics include the development of effective home-school-community relationships, behavior management, conflict resolution, professional development and job search skills. Students meet weekly to discuss accomplishments, progress and challenges arising within the student teaching experience.

EDU4995 Education Internship 1–8 cr**
(PQ: admission to educational studies major and consent of the School of Education and faculty supervisor, and internship registration form) Supervised work experience in an education-related field outside of the traditional classroom. **Note:** See page 25 for note regarding internships (professional experiences).

Education – Child and Family Development

CFD3205 Child Development 4 cr
(Must be taken concurrently with CFD3205L) An overview of the growth and development of children from birth through age twelve years. Topics covered include: current research and major theories of child development, personality and temperament. Special attention is given to physical, social, emotional, cognitive and spiritual development. Field experience in conducting observations of children from infancy through twelve years is an integral part of the course. Observations at approved sites are required.

CFD3205L Child Development Lab 0 cr
(Must be taken concurrently with CFD3205) Observation in early childhood settings.

CFD3207 Adolescent Development and the Middle Level Learner . . . 2 cr
(PQ: sophomore standing) A study of the growth and development of adolescents (ages 11–18 years). Attention is given to physical, social,

emotional, cognitive, and spiritual development. Topics covered include current issues faced by adolescents: social networks, peer relations, sexuality, identity formation, and cultural contexts. The course examines the varying models of middle level education and developmentally appropriate practice for fostering the growth and development of adolescents.

CFD3309 Facilitating Learning and Development in Young Children. . . 4 cr
(PQ: CFD3205, CFD3205L, PSY2108, or concurrently enrolled, and sophomore standing) This course is an in-depth study of the growth and development of children 0–8 years with a focus on the following domains: physical, social and emotional, cognitive and literacy and language. With a focus on research and effective practice, students learn to identify milestones of development, conduct assessments and select strategies to facilitate development and learning for infants and toddlers, preprimary children, children in Kindergarten and children in the primary grades (Grades 1–3).

EDU49XX Student Teaching in Elementary Education (see specific numbers below)

(PQ: admission to student teaching; to be taken concurrently with EDU4835) Student teaching as a concentrated teaching experience in preparation for full-time employment.

Communication Arts & Literature Education (CALE)

Course Number	Title	Credits	Major or Endorsement Field
EDU4912I	Student Teaching in Communication Arts & Literature Education – Middle School	10	Communication Arts & Literature Major
EDU4913I	Student Teaching in Communication Arts & Literature Education – High School	10	Communication Arts & Literature Major
EDU4914I	Student Teaching in Communication Arts & Literature Education – International	4	Communication Arts & Literature Major
EDU4914D	Student Teaching in Communication Arts & Literature Education – Dual Licensure	12	Communication Arts & Literature Major
EDU4915E	Student Teaching in Communication Arts & Literature Education - Endorsement	5	Communication Arts & Literature Education (CALE) Endorsement for Grades 5-8
EDU4916M	Student Teaching in Communication Arts & Literature Education - Middle School	14	Communication Arts & Literature Major
EDU4916H	Student Teaching in Communication Arts & Literature Education - High School	14	Communication Arts & Literature Major
EDU4916D	Student Teaching in Communication Arts & Literature Education - Dual Licensure	6	Dual Licensure ESL Education/ Communication Arts & Literature Education

Early Childhood Education

EDU4973I	Student Teaching in Early Childhood Education	10	Early Childhood Major
EDU4974I	Student Teaching in Early Childhood Education: International	4	Early Childhood Major
EDU4976	Student Teaching in Early Childhood Education: Preprimary	7	Early Childhood Major
EDU4976E	Student Teaching in Early Childhood Education: Preprimary Endorsement	5	Early Childhood Education Preprimary Endorsement
EDU4977	Student Teaching in Early Childhood Education: Elementary K - 3	8	Early Childhood Major

COURSE DESCRIPTIONS

Elementary Education

EDU4904I	Student Teaching in Elementary Education – International	4	Elementary Education Major
EDU4904D	Student Teaching in Elementary Education – Dual Licensure	6	Elementary Education Major
EDU4906I	Student Teaching in Elementary Education	10	Elementary Education Major
EDU4906	Student Teaching in Elementary Education	14	Elementary Education Major with Emphasis
EDU4907	Student Teaching in Kindergarten Education	5-7	Kindergarten Education Post-Baccalaureate Licensure - Only Program
EDU4908	Student Teaching in Elementary Education	12	Elementary Education Major with Endorsement
EDU4908D	Student Teaching in Elementary Education – Dual Licensure	12	Dual Licensure Programs Elementary/Spanish Education Elementary/ESL Education

English as a Second Language Education

EDU4917	Student Teaching in ESL – Elementary	7	English as a Second Language Major
EDU4917D	Student Teaching in ESL – Dual Licensure	12	Dual Licensure ESL/Communication Arts & Literature Education ESL/Spanish Education
EDU4918	Student Teaching in ESL – Secondary	7	English as a Second Language Major
EDU4918D	Student Teaching in ESL – Dual Licensure	6	Dual Licensure Elementary/ESL Education
EDU4919I	Student Teaching in ESL Education	10	English as a Second Language Major
EDU4920I	Student Teaching in ESL Education – International	4	English as a Second Language Major

Mathematics Education

EDU4922I	Student Teaching in Mathematics Education – Middle School	10	Mathematics Education Major
EDU4923I	Student Teaching in Mathematics Education – High School	10	Mathematics Education Major
EDU4924I	Student Teaching in Mathematics Education – International	4	Mathematics Education Major
EDU4925E	Student Teaching in Mathematics Education – Endorsement	5	Mathematics Education Endorsement for Grades 5–8
EDU4926M	Student Teaching in Mathematics Education – Middle School	14	Mathematics Education Major
EDU4926H	Student Teaching in Mathematics Education – High School	14	Mathematics Education Major

Music Education

EDU4932I	Student Teaching in Music Education – Vocal & Classroom	10	Music Education Major
EDU4933I	Student Teaching in Music Education – Instrumental & Classroom	10	Music Education Major
EDU4934I	Student Teaching in Music Education – International	4	Music Education Major
EDU4935	Student Teaching in Music Education – Elementary – Vocal & Classroom	7	Music Education Major - Vocal & Classroom
EDU4936	Student Teaching in Music Education – Secondary – Vocal & Classroom	7	Music Education Major - Vocal & Classroom
EDU4937	Student Teaching in Music Education – Elementary – Instrumental & Classroom	7	Music Education Major - Instrumental & Classroom
EDU4938	Student Teaching in Music Education – Secondary – Instrumental & Classroom	7	Music Education Major - Instrumental & Classroom

Physical Education & Health Education

EDU4943I	Student Teaching in Physical Education & Health Education	13	Physical Education & Health Major
EDU4944I	Student Teaching in Physical Education & Health Education – International	4	Physical Education & Health Major
EDU4945	Student Teaching in Physical Education – Elementary	7	Physical Education & Health Major
EDU4946	Student Teaching in Physical Education – Secondary	5	Physical Education & Health Major
EDU4947	Student Teaching in Secondary Health Education	5	Physical Education & Health Major

Social Studies Education

EDU4952I	Student Teaching in Social Studies Education – Middle School	10	Social Studies Education Major
EDU4953I	Student Teaching in Social Studies Education – High School	10	Social Studies Education Major
EDU4954I	Student Teaching in Social Studies Education – International	4	Social Studies Education Major
EDU4955E	Student Teaching in Social Studies Education – Endorsement	5	Social Studies Education Endorsement for Grades 5-8
EDU4956M	Student Teaching in Social Studies Education – Middle School	14	Social Studies Education Major
EDU4956H	Student Teaching in Social Studies Education – High School	14	Social Studies Education Major

Visual Arts Education

EDU4963I	Student Teaching in Visual Arts Education	10	Visual Arts Education Major
EDU4964I	Student Teaching in Visual Arts Education – International	4	Visual Arts Education Major
EDU4965	Student Teaching in Visual Arts Education Elementary	7	Visual Arts Education Major
EDU4966	Student Teaching in Visual Arts Education Secondary	7	Visual Arts Education Major

World Languages & Cultures

EDU4983I	Student Teaching in World Languages & Cultures: Spanish Education	10	Spanish Education Major
EDU4984I	Student Teaching in World Languages & Cultures: Spanish Education – International	4	Spanish Education Major
EDU4984D	Student Teaching in World Languages & Cultures: Spanish Education – Dual Licensure	12	Spanish Education Major
EDU4986	Student Teaching in World Languages and Cultures: Spanish Education – Elementary	7	Spanish Education Major
EDU4987	Student Teaching in World Languages and Cultures: Spanish Education – Secondary	7	Spanish Education Major
EDU4987D	Student Teaching in World Languages and Cultures: Spanish Education Secondary – Dual Licensure	6	Dual Licensure ESL/Spanish Education Elementary/Spanish Education

COURSE DESCRIPTIONS

Education – Communication Arts/Literature

Note: PQ for the following upper-level (3000–4999) education courses include admission to a teacher education program.

EDE3306 Communication Arts and Literature Education: Content and Standards* **2 cr**
(PQ: Admission to a teacher education program) A study of content and strategies regarding relationships among the elements of the communication process; effects of the various types of print and digital media on the communication process; competent participation with information literacy. Content and strategies related to debate, theatre, journalism and professional mentoring of extra-curricular activities will be explored.

EDE4100M Teaching Secondary Reading and Literature Lab - Middle School **0 cr**
(PQ: EDU3235, SPE1075 or SPE1825 and admission to communication arts/literature education [grades 5–12] teacher education program. Must be taken concurrently with EDE4366 and EDE4367.) Observation and teaching in a grade 5–8 language arts classroom.

EDE4200H Teaching Secondary Reading and Literature Lab - High School **0 cr**
(PQ: EDU3235, SPE1075 or SPE1825 and admission to communication arts/literature education [grades 5–12] teacher education program. Must be taken concurrently with EDE4366 and EDE4367.) Observation and teaching in a grade 9–12 language arts classroom.

EDE4356 Teaching Language and Communication in Grades 5–8 . . . **2 cr**
(PQ: EDU3235, SPE1075 or SPE1825 and admission to the communication arts/literature [grades 5–8] endorsement program. Must be taken concurrently with EDE4356L.) A study of the

purposes, methods, instructional materials and evaluation techniques for teaching middle school communication and language usage. Pre-student teaching required.

EDE4356E Teaching Language and Communication Grades 5–8 Lab . . . **0 cr**
(PQ: EDU3235; SPE1075 or SPE1825; and admission to communication arts/literature [grades 5–8] endorsement teacher education program. Must be taken concurrently with EDE4356.) Observation and teaching in a middle school languages arts classroom.

EDE4366 Teaching Language and Communication in Grades 5–12^{OCE} . . **4 cr**
(PQ: EDU3235; SPE1075 or SPE1825; and admission to the communication arts/literature [grades 5–12] teacher education program. Must be taken concurrently with EDE4367, EDE4100M and EDE4200H.) A study of the purposes, methods, instructional materials and evaluation techniques for teaching communication and language usage in grades 5–12. Pre-student teaching required.

EDE4367 Teaching Secondary Reading and Literature Methods^{OCE} . . **4 cr**
(PQ: EDU3235; SPE1075 or SPE1825; and admission to the communication arts/literature [grades 5–12] teacher education program. Must be taken concurrently with EDE4366, EDE4100M and EDE4200H.) A study of the purposes, methods, instructional materials and evaluation techniques in the teaching of secondary reading and literature. The course provides theory, modeling and application of instructional strategies for enhancing students' ability to read various texts and for analyzing literature within middle school and high school classrooms. Pre-student teaching required.

Education – Early Childhood

Note: PQ for the following upper-level (3000–4999) Education courses include admission to a teacher education program.

Students enrolling in Early Childhood Education courses requiring field experiences must have clearance from the Minnesota State Department of Human Services Background Study.

ECE2216 Foundations of Early Childhood Education **2 cr**
(PQ: sophomore standing. Must be taken concurrently with ECE2216L.) The first course in the early childhood program sequence. Students study the rationale of the early childhood education teacher education program and explore developmentally appropriate practice (DAP) and its implications for early childhood programs. An introduction to play theory as the center of DAP in early childhood curriculum is also included. Pre-student teaching required.

ECE2216L Foundations of Early Childhood Education Lab **0 cr**
(PQ: must be taken concurrently with ECE2216) Observation in an early childhood setting for a minimum of 20 hours.

ECE3306 Infant/Toddler Methods **4 cr**
(PQ: admission to the early childhood education teacher education program; or consent of the School of Education, PSY2108, EDU3235, and CFD3205. Must be taken concurrently with ECE4835, ECE3306L and ECE3307L) A study of developmentally appropriate practice for nurturing the growth and development of infants through toddlers, including the interrelatedness of learning environments, materials and behavior guidance techniques. Pre-student teaching required.

ECE3306L Infant Methods Lab **0 cr**
(PQ: admission to the early childhood education teacher education program; or consent of the School of Education. PSY2108, EDU3235, and CFD3205. Must be taken concurrently with ECE3306) Observation and teaching in infant classroom.

ECE3307L Toddler Methods Lab **0 cr**
(PQ: admission to the early childhood education teacher education program; or consent of the School of Education. PSY2108, EDU3235, and CFD3205. Must be taken concurrently with ECE3306.) Observation and teaching in toddler classroom.

ECE4215 Early Childhood Visual Arts Methods and Strategies **2 cr**
(PQ: admission to the early childhood education teacher education program; or consent of the School of Education) A study of the purposes, methods, instructional materials, and evaluation techniques for guiding children's visual arts development in class settings from birth through grade 3. Students will develop skills in visual arts production (drawing, painting, clay & dough sculpture, manipulation of art materials & processes), planning and leading lessons, integrating visual arts and other academic subjects, evaluating children's visual arts development, and demonstration of visual arts teaching techniques through peer group exchange overseen by the course instructor. Pre-student teaching required.

ECE4217 Early Childhood Music Methods and Strategies **2 cr**
(PQ: admission to the early childhood education teacher education program; or consent of the School of Education) A study of the purposes, methods, instructional materials, and evaluation techniques for guiding children's music development in class settings from birth through grade 3. Students will develop skills in music performance (singing, chanting, moving, playing instruments), planning and leading lessons, integrating music with other academic subjects, and evaluating children's music development. Pre-student teaching required.

ECE4316 Pre-primary Methods 4 cr
(PQ: admission to the early childhood or elementary education teacher education program; or consent of the School of Education, PSY2108, EDU3235; and CFD3205, CFD3205L. Must be taken concurrently with ECE4316L, ECE4835 or ECE4836) A study of the interrelatedness of developmentally appropriate practice, learning environments, materials and behavior guidance techniques. The study of current curriculum models and how curriculum can be used to enhance play.

ECE4316L Pre-primary Methods Lab–ECE 0 cr
(PQ: admission to the early childhood teacher education program; or consent of the School of Education. PSY2108 and EDU3235. Must be taken concurrently with ECE4316) Observation and teaching in a pre-primary (ages 3–5) classroom.

ECE4317E Pre-primary Methods Lab–Endorsement 0 cr
(PQ: admission to the pre-primary teacher education endorsement program; or consent of the School of Education. PSY2108 and EDU3235. Must be taken concurrently with ECE4316) Observation and teaching in a pre-primary (ages 3–5) classroom.

ECE4835 Early Childhood Seminar I 0–1 cr
(PQ: admission to the early childhood education teacher education program and concurrently enrolled in ECE4316 or ECE3306) This course is an opportunity to relate theory to practice; deal with issues arising from field placement experiences, discuss topics applicable to all curricular areas, discuss professionalism in the field of early childhood education, work on professional portfolio development, discuss issues and current trends in early childhood education and prepare for the Teacher Performance Assessment Early Childhood Education. To be taken concurrently with the enrollment in early childhood core courses and field experiences.

ECE4836 Early Childhood Seminar II 0–1 cr
(PQ: admission to the early childhood education teacher education program and concurrently enrolled in ECE4316 or ECE3306) This course is an opportunity to relate theory to practice; deal with issues arising from field placement experiences, discuss topics applicable to all curricular areas, discuss professionalism in the field of early childhood education, work on professional portfolio development, discuss issues and current trends in early childhood education and prepare for the Teacher Performance Assessment Early Childhood Education. To be taken concurrently with the enrollment in early childhood core courses and field experiences.

Education – Elementary

Note: (PQ for the following upper-level (3000–4999) Education courses include admission to a teacher education program.

EEL4307 Language Arts and Literature in the Elementary School . . . 4 cr
(PQ: PSY2108, EDU3235 and admission to the early childhood education teacher education program) This course presents language arts and children's literature as an integrated part of an educational program. Extensive reading of children's literature, development of instructional techniques that utilize good quality literature throughout the elementary curriculum and criteria for the selection of literature for the classroom are included. Understanding the language arts to include reading, writing, listening, speaking, viewing and visually representing, pre-service teachers will become familiar with comprehensive, scientifically based reading instruction programs, practices and methods as they apply to reading and writing instruction within the language arts. Pre-service teachers will understand how language arts and children's literature are used to assist children in reading for both efferent and aesthetic purposes in communication arts, as well as in the content areas through selection of quality literature and knowledge of literary text structures, genres and perspectives. Pre-service teachers will understand the role of oral language, spelling and writing in supporting the literacy development of all student including English language learners, in the elementary classroom.

EEL4317 Mathematics Methods and Strategies (K–3) 2 cr
(PQ: Admission to the early childhood education teacher education program; or consent of the School of Education, PSY2108 and EDU3235. Minimum grade of C in MAT1006. Must be taken concurrently with EEL4318, EEL4319, EEL4835 and EEL4837L.) A study of the purposes, methods, instructional materials and evaluation techniques in the teaching of mathematics at the K–3 level. The course provides theory, modeling and application of instructional strategies for developing mathematical literacy using developmentally appropriate practice with children in grades K–3. The development of instructional skills to support mathematical reasoning, communication and problem solving across the curriculum is emphasized. Pre-student teaching required.

EEL4318 Science and Social Studies Methods and Strategies (K–3) . . 2 cr
(PQ: Admission to the early childhood education teacher education program; or consent of the School of Education, PSY2108 and EDU3235. Must be taken concurrently with EEL4317, EEL4319, EEL4835 and EEL4837L.) A study of the purposes, methods, instructional materials and evaluation techniques in the teaching of physical, life and environmental sciences and social sciences using developmentally appropriate practices with children in grades K–3. Pre-student teaching is required.

EEL4319 Physical Education and Health Methods and Strategies (K–3) 2 cr
(PQ: Admission to the early childhood education teacher education program; or consent of the School of Education, PSY2108 and EDU3235. Must be taken concurrently with EEL4317, EEL4318 and EEL4835 and EEL4837L.) A study of the purposes, methods, instructional materials and evaluation techniques in the teaching of physical education and health using developmentally appropriate practices with children in grades K–3. Pre-student teaching required.

EEL4327 Kindergarten Methods and the Primary Learner 2 cr
(PQ: Admission to the early childhood or elementary education teacher education program; or consent of the School of Education, PSY2108, EDU3301, EDU3235. Must be concurrently enrolled in EEL4327L and Elementary Methods Block.) A study of developmentally appropriate practice for nurturing the growth and development of children ages five through nine years including the interrelatedness of learning environments, classroom community, classroom structure, family-school partnerships and assessment. Strategies for the instruction of different curricular areas are included. Attention is given to the physical, social, emotional, cognitive and spiritual development of children. Field experience in conducting observations and making assessments of children ages five through nine years is an integral part of the course. Pre-student teaching is required.

COURSE DESCRIPTIONS

EEL4327L Kindergarten Methods and the Primary Learner Lab 0 cr
 (PQ: Admission to the early childhood or elementary education teacher education program; or consent of the School of Education, PSY2108, EDU3301, EDU3235. Must be concurrently enrolled in EEL4327.) Observation and teaching in a kindergarten classroom required.

EEL4335 Mathematics Methods for Elementary Teachers K–6 3 cr
 (PQ: PSY2108, EDU3235; admission to a teacher education program; and a minimum grade of C in MAT1006. Must be taken concurrently with EEL4336, EEL4337, EEL4338 and EEL4835/4835L or EEL4836/4836L.) A study of the purposes, methods, instructional materials and evaluation techniques in the teaching of elementary mathematics. The course provides theory, modeling and application of instructional strategies for developing mathematical literacy with elementary learners. The development of instructional skills to support mathematical reasoning, communication and problem solving across the mathematics curriculum is emphasized. Pre-student teaching required.

EEL4336 Physical Education and Health Methods for Elementary Teachers K–6 2 cr
 (PQ: PSY2108; EDU3235; and admission to the elementary education teacher education program. Must be taken concurrently with EEL4335, EEL4337, EEL4338 and EEL4835/4835L or EEL4836/4836L.) A study of the purposes, methods, instructional materials and evaluation techniques in the teaching of elementary physical education and health in grades K–6. The course provides theory, modeling and application of instructional strategies to support the healthful living and physical development of elementary students. Content related to basic movement education, games, rhythms, sport skills and decision-making for health are included. Pre-student teaching required.

EEL4337 Social Studies Methods for Elementary Teachers K–6 2 cr
 (PQ: PSY2108; EDU3235; and admission to a teacher education program. Must be taken concurrently with EEL4335, EEL4336, EEL4338 and EEL4835/4835L or EEL4836/4836L.) Study of the purposes, methods, instructional materials and evaluation techniques in the teaching of social studies in the elementary school. The course provides theory, modeling and application of instructional strategies to support social studies teaching and learning at the elementary level. The course emphasizes the process skills of gathering, organizing, reporting and interpreting social studies data. Pre-student teaching required.

EEL4338 Science Methods for Elementary Teachers K–6 3 cr
 (PQ: PSY2108; EDU3235; and admission to the elementary education teacher education program. Must be taken concurrently with EEL4335, EEL4336, EEL4337 and EEL4835/4835L or EEL4836/4836L.) Study of purposes, methods, instructional materials and evaluation techniques in teaching physical, life and environmental sciences at the elementary level. Emphasis on process skills. Pre-student teaching required.

EEL4345 Language Arts Content and Teaching Strategies K–6 4 cr
 (PQ: PSY2108; EDU3235; and admission to the elementary education teacher education program. Must be taken concurrently with EEL4346, EEL4347, MUE4345, EAR4345 and EEL4835/4835L or EEL4836/4836L.) A course designed to help students understand how and why the elementary language arts (listening, speaking, reading, writing, thinking, acting, etc.) should be naturally integrated into all aspects of the school curriculum. The focus is on language

as a tool for communicating, for sharing, for exploring knowledge and ideas and for self-expression. The course is structured to demonstrate the purposes, methods, instructional resources and evaluation strategies for teaching the language arts in the elementary classroom. Pre-student teaching required.

EEL4346 Reading Methods and Strategies K–6 4 cr
 (PQ: PSY2108; EDU3235; and admission to the early childhood or elementary education teacher education program. Must be taken concurrently with EEL4345, EEL4347, MUE4345, EAR4345 and EEL4835/4835L or EEL4836/4836L.) A course which focuses on the components essential to establishing reading programs that foster a love of reading in students and assist them in acquiring the skills essential to becoming lifelong readers. The course will provide theory, modeling and application for K–6 teachers essential for developing and implementing successful reading instruction. Strategies for monitoring and assessing student performance and application of alternative classroom instructional methods are included. Pre-student teaching required.

EEL4347 Children’s Literature K–6 2 cr
 (PQ: PSY2108; EDU3235; and admission to the early childhood or elementary education teacher education program. Must be taken concurrently with EEL4345, EEL4346, MUE4345, EAR4345 and EEL4835/4835L or EEL4836/4836L.) A course which presents children’s literature as an integrated part of an educational program. Extensive reading of children’s literature, development of instructional techniques to utilize good quality literature throughout the elementary curriculum and criteria for the selection of literature for the classroom are included. Emphasis is placed on encouraging students to appreciate literature and the contributions it can make to the culture. Pre-student teaching required.

EEL4835 Elementary Methods Seminar I 0–1 cr
 (PQ: Must be taken concurrently with EEL4835L, EEL4837L, and the first semester of enrollment in elementary methods courses and the first 160 hours of pre-student teaching.) Opportunity to relate theory to practice, deal with issues arising from field placement experiences, discuss topics applicable to all curricular areas and work on professional portfolio development.

EEL4835L Elementary Methods Lab I 0 cr
 (PQ: Must be taken concurrently with EEL4835 and first methods block) Observation and teaching in an elementary classroom.

EEL4836 Elementary Methods Seminar II 0–1 cr
 (PQ: EEL4835. Must be taken concurrently with EEL4836L and the second semester of enrollment in elementary methods courses and the second 160 hours of pre-student teaching. Opportunity to relate theory to practice, deal with issues arising from field placement experiences, discuss topics applicable to all curricular areas and work on professional portfolio development.

EEL4836L Elementary Methods Lab II 0 cr
 (PQ: EEL4835L. Must be taken concurrently with EEL4836 and second elementary methods block) Observation and teaching in an elementary classroom.

EEL4837L Elementary Methods Lab for ECE 0 cr
 Observation and teaching in a primary (Grades K–3) classroom. **Note:** This course is designated as repeatable and may be repeated one time after the original taking of the course.

Education – English as a Second Language (ESL)

Note: PQ for the following upper-level (3000–4999) Education courses include admission to a teacher education program.

EDL4325 Teaching Grammar for ESL 2 cr
(PQ: ENG3125, LIN2226, and admission to the ESL teacher education program. Must be taken concurrently with EDL4461, EDL4461L, EDL4462 and EDL4462L.) Study of English grammar with emphasis on how to effectively present English grammatical points to ESL students in K–12 school settings.

EDL4326 Curriculum and Assessment for Language Learning 2 cr
(PQ: ENG3125, LIN2226 and admission to the ESL or Spanish teacher education program. Must be taken concurrently with EDL4461, EDL4461L, EDL4462 and EDL4462L or WLE4415/L, or WLE4416, or WLE4417/L.) Study and practice of language curriculum development. Study and practice of formal and informal second language assessment techniques to determine appropriate placement and to evaluate the progress of ESL students in K–12 school settings.

EDL4461 ESL K–12 Methods and Materials I 4 cr
(PQ: ENG3125, ESL3315, LIN2226, admission to the ESL education teacher education program and senior status. Must be taken concurrently with EDL4325, EDL4326 and EDL4461L.) A study of the purposes, methods, instructional materials and evaluation techniques in the teaching of English as a second language in grades K–12. The course provides theory, modeling and application of instructional strategies for developing English language skills in listening, speaking and pronunciation. An introduction to ESL curriculum resources for

teaching listening, speaking and pronunciation is also included. Pre-student teaching required.

EDL4461L ESL K–12 Methods Lab I 0 cr
(PQ: admission to the ESL education teacher education program or consent of the School of Education and senior status. Must be taken concurrently with EDL4461) Observation and teaching in a secondary ESL classroom.

EDL4462 ESL K–12 Methods and Materials II 2 cr
(PQ: ENG3125, ESL3315, LIN2226, admission to the ESL education teacher education program and senior status. Must be taken concurrently with EDL4325, EDL4326 and EDL4462L.) A study of the purposes, methods, instructional materials and evaluation techniques in the teaching of English as a second language in grades K–12. The course provides theory, modeling and application of instructional strategies for developing English language skills in reading and writing. An introduction to ESL curriculum resources for teaching reading and writing is also included. Pre-student teaching required.

EDL4462L ESL K–12 Methods Lab II 0 cr
(PQ: admission to the ESL teacher education program or consent of the School of Education and senior status. Must be taken concurrently with EDL4462) Observation and teaching in an elementary ESL classroom.

Education – Mathematics

Note: PQ for the following upper-level (3000–4999) Education courses include admission to a teacher education program.

MAE4100M Math Methods Lab II (Grades 5–12) – Middle School . . 0 cr
(PQ: admission to the mathematics education [grades 5–12] teacher education program or consent of the School of Education. Must be taken concurrently with MAE4467) Observation and teaching in a middle school math classroom.

MAE4200H Math Methods Lab II (Grades 5–12) – High School . . . 0 cr
(PQ: admission to the mathematics education [grades 5–12] teacher education program or consent of the School of Education. Must be taken concurrently with MAE4467) Observation and teaching in a high school math classroom.

MAE4456 Methods of Teaching Mathematics in the Middle School (Grades 5–8) 2 cr
(PQ: EDU3235, MAT3255, and admission to the elementary or mathematics education teacher education program. Must be taken concurrently with MAE4456E, MAE4100M or MAE4200H.) A study of the principles, methods, instructional materials and assessment techniques in the teaching of middle school mathematics. The course provides theory, modeling and application in instructional strategies for developing mathematical literacy with middle school learners.

An introduction to mathematics resources, including technology appropriate for grades 5–8, is included. Pre-student teaching required.

MAE4456E Math Methods Lab (Grades 5–8) 0 cr
(PQ: admission to the mathematics teacher education endorsement program or consent of the School of Education. Must be taken concurrently with MAE4456) Observation and teaching in a middle school math classroom.

MAE4467 Methods of Teaching Mathematics in the High School (Grades 9–12) 2 cr
(PQ: EDU3235, MAT3265, and admission to the mathematics education teacher education program. Must be taken concurrently with MAE4100M or MAE4200H.) A study of the principles, methods, instructional materials and assessment techniques in the teaching of high school mathematics. The course provides theory, modeling and application of instructional strategies for developing mathematical literacy with learners in grades 9–12. An introduction to mathematics resources, including technology appropriate for grades 9–12, is included. Pre-student teaching required.

COURSE DESCRIPTIONS

Education – Music

Note: PQ for the following upper-level (3000–4999) Education courses include admission to a teacher education program.

MUE3270 Instrumental Methods Overview* 1 cr
(PQ: sophomore standing) The course presents essential basic principles and practices of instrumental performance. Emphasis will be more on pedagogy than performance. Students will select one instrument for proficiency performance and have hands-on experience with instruments in each family group.

MUE3601I Music Education Field Experience - Elementary Instrumental . . . 0 cr
(PQ: admission to the music teacher education program and completion of or concurrent enrollment in MUE4355 or permission of the School of Education) Supervised school-based field experience in preparation for student teaching.

MUE3601V Music Education Field Experience - Elementary Vocal. . . 0 cr
(PQ: admission to the music teacher education program and completion of or concurrent enrollment in MUE4355 or permission of the School of Education) Supervised school-based field experience in preparation for student teaching.

MUE3602I Music Education Field Experience - Secondary Instrumental . . . 0 cr
(PQ: admission to the music teacher education program and completion of or concurrent enrollment in MUE4365 or MUE4379, or permission of the School of Education) Supervised school-based field experience in preparation for student teaching.

MUE3602V Music Education Field Experience - Secondary Vocal. . . 0 cr
(PQ: admission to the music teacher education program and completion of or concurrent enrollment in MUE4365 or MUE4379, or permission of the School of Education) Supervised school-based field experience in preparation for student teaching.

MUE4345 Music Methods for Elementary Teachers (Grades K–6) . . . 2 cr
(PQ: MUS1075 and EDU3235 and admission to the elementary education teacher education program. Must be taken concurrently with EEL4345, EEL4346, EEL4347, EAR4345 and EEL4835/4835L or EEL4836/4836L.) A study of the purposes, methods, instructional materials and evaluation techniques in the teaching of elementary music. The course is designed to provide basic skills for teaching classroom music. Instructional methods for teaching individuals and classes are included, as well as skills and strategies for listening, singing and participation in rhythmic movement. Emphasis is placed on how to play and utilize classroom instruments. Pre-student teaching required.

MUE4355 Elementary and Middle School Music Methods (Grades K–8)* 4 cr
(PQ: admission to the music education program and concurrent registration in MUE3601) A practical exposure to elementary and junior high/middle school music through study, observation and participation. Students become involved as aides and instructors in the classroom. Emphasis is placed on the application of these

teaching skills to vocal and general music teaching situations. Pre-student teaching required.

MUE4365 Secondary Choral and General Music Methods* 3 cr
(PQ: admission to the music education program, MUS3277 and concurrent registration in MUE3602 and successful completion of the music department Music Major Progress Interview) A course designed to acquaint students with the role of choral/vocal music in secondary education and to provide a foundation for teaching secondary choral music classes. An overview of teaching general music, music theory and the adolescent changing voice are included.

MUE4375 Woodwind Methods* 1 cr
(PQ: admission to the music education program or consent of instructor) A course designed to assist the student in the development of pedagogical skills and proficiency on woodwind instruments. Application of foundational principles to teaching materials and performance situations is included. Meets two hours per week.

MUE4376 Brass Methods* 1 cr
(PQ: admission to the music education program or consent of instructor) A course designed to assist the student in the development of pedagogical skills and proficiency on brass instruments. Application of foundational principles to teaching materials and performance situations is included. Meets two hours per week.

MUE4377 Percussion Methods* 1 cr
(PQ: admission to the music education program or consent of instructor) A course designed to assist the student in the development of pedagogical skills and proficiency on percussion instruments. Application of foundational principles to teaching materials and performance situations is included. Meets two hours per week.

MUE4378 String Methods* 1 cr
(PQ: admission to the music education program or consent of instructor) A course designed to assist the student in the development of pedagogical skills and proficiency on stringed instruments. Application of foundational principles to teaching materials and performance situations is included. Meets two hours per week.

MUE4379 Band/Orchestra and General Music Methods* 3 cr
(PQ: admission to the music education program, MUS3277 and concurrent registration in MUE3602I) A study of the purposes, methods, instructional materials and evaluation techniques in the teaching of instrumental and general classroom music in grades K–12. The course provides a study of essential musical and extra-musical aspects of administering the instrumental music program at all levels. Methods and repertoire for bands and orchestras are included.

Education – Physical

Note: PQ for the following upper-level (3000–4999) Education courses include admission to a teacher education program.

EPH4345 Methods of Teaching Elementary Physical Education 2 cr
(PQ: EDU3235 and admission to the physical education teacher education program. Must be taken concurrently with EPH4345L.) A course designed to cover the organization, content and teaching techniques of physical education programs in the elementary school. Pre-student teaching required.

EPH4345L Methods of Elementary Physical Education Lab. 0 cr
(PQ: EDU3235 and admission to the physical education teacher education program. Must be taken concurrently with EPH4345.) Observation and teaching in an elementary physical education classroom.

EPH4355 School Health Education Methods 2 cr
 (PQ: EDU3235, HPE3305, and admission to the physical education teacher education program. Must be taken concurrently with EPH4355L.) A study of the organization and administration of the complete school health program, including healthful school living, health services and health science instruction. Health problems and their implications for instructional methods and materials for teaching health. Pre-student teaching required.

EPH4355L School Health Methods Lab 0 cr
 (PQ: EDU3235, HPE3305, and admission to the physical education teacher education program. Must be taken concurrently with EPH4355.) Observation and teaching in a secondary health education classroom.

EPH4365 Methods of Teaching Secondary Physical Education 2 cr
 (PQ: EDU3235 and admission to the physical education teacher education program. Must be taken concurrently with EPH4365L.) A

course designed to cover advanced teaching techniques of physical education at the secondary (6–12) school level. Includes methods of presentation and state curriculum requirements for secondary physical education. Pre-student teaching required.

EPH4365L Methods of Secondary Physical Education Lab 0 cr
 (PQ: EDU3235 and admission to the physical education teacher education program. Must be taken concurrently with EPH4365.) Observation and teaching in a secondary physical education classroom.

EPH4375 Adapted Physical Education (Grades K–12) 2 cr
 (PQ: Must be taken concurrently with EPH4375L.) Principles and techniques involved in teaching developmental/adapted physical education in school settings. Pre-student teaching required.

EPH4375L Adapted Physical Education Lab 0 cr
 (PQ: Must be taken concurrently with EPH4375.) Observation and teaching in an adapted physical education setting.

Education – Social Studies

Note: PQ for the following upper-level (3000–4999) Education courses include admission to a teacher education program.

SSE3255 National Government for Middle School Teachers 2 cr
 (PQ: admission to the teacher education program in elementary education with a middle school social studies endorsement or consent of the School of Education) An overview of the philosophy and structure of differing types of government with a focus on the United States government. Topics related to understanding the United States government include development of the constitution, the bill of rights and the amendment process, different levels of government (national, state and local), the three branches of the National Government specifically focusing on the duties of each branch and the checks and balance system that exists to guarantee the shared nature of power. Connections are made to how many state governments mirror the national government. In addition, the course explores political parties and the election process (including the electoral college system) and the importance of civic involvement to the democratic process. Applications to middle school social studies instruction are embedded throughout the course.

SSE4100M Methods of Teaching Social Studies II Lab - Middle School . . . 0 cr
 (PQ: EDU3235 and admission to the social studies education [grades 5–12] teacher education program or consent of the School of Education. Must be taken concurrently with SSE4458) Observation and teaching in a middle school social studies classroom.

SSE4200H Methods of Teaching Social Studies II Lab - High School . . 0 cr
 (PQ: EDU3235 and admission to the social studies education [grades 5–12] teacher education program or consent of the School of Education. Must be taken concurrently with SSE4468) Observation and teaching in a high school social studies classroom.

SSE4358 Social Studies Content and Standards 2 cr
 (PQ: admission to the School of Education) An introduction to the content and instructional strategies used in social studies education. The content focuses on American Indian & Dakota communities, the role of social class in society, primary and secondary sources, laws and the legal system, citizenship, and community organization. Teaching strategies that support social studies instruction around these issues are embedded into the course.

SSE4458 Methods of Teaching Social Studies I (Grades 5–8) 4 cr
 (PQ: EDU3235 and admission to the elementary education or social studies teacher education program. Must be taken concurrently with SSE4100M or SSE4458E.) A study of the purposes and practices of middle school social studies with an emphasis on adapting curriculum to the specific needs of middle school learners. The course investigates the following topics: the ten themes of social studies and how to incorporate them into instruction; instructional planning and assessment; the theory and practice of classroom management; instructional techniques within the social studies including constructivist theory, questioning, effective reading skills, leading discussions, inquiry, teaching to a diverse group of learners and cooperative learning; learning styles; creating portfolios; and self-reflection as a means of improving pedagogy. The course also explores the social science disciplines and the content and curriculum pertinent to middle school classrooms. Pre-student teaching required.

SSE4458E Methods of Teaching Social Studies I Lab–Endorsement . . 0 cr
 (PQ: EDU3235 and admission to the social studies teacher education endorsement program or consent of the School of Education. Must be taken concurrently with SSE4458) Observation and teaching in a middle school social studies classroom.

SSE4468 Methods of Teaching Social Studies II (Grades 9–12). . . . 4 cr
 (PQ: EDU3235 and admission to the social studies education [grades 5–12] teacher education program. Must be taken concurrently with SSE4200H.) A study of the purposes and practices of high school social studies with an emphasis on adapting curriculum to the specific needs of high school learners. The course investigates the following topics: content and curricula of high school social studies areas; the integration of social studies with other subjects; current issues and research in the social studies; the use of technology in the classroom; development of teaching effective reading skills in high school social studies; classroom management; current trends in brain research and the implications for pedagogy; instructional planning; instructing students with special needs; multiple intelligences; leading class and small group discussions; instructional techniques like role playing and simulations; becoming a reflective teacher; and creating portfolio entries. Pre-student teaching required.

COURSE DESCRIPTIONS

Education – Special

Note: PQ for the following upper-level (3000–4999) Education courses include admission to a teacher education program.

SPD2215 Introduction to Special Education 2 cr
(PQ: sophomore standing and concurrent enrollment in SPD2215L.) An overview of the history of special education in America with a focus on how special education is supported by federal, state and local governance. An in-depth look will be given to the cascade of PK–12 educational programs designed to meet the needs of students labeled with special needs. The need for support services within the educational system will be reviewed in relationship to how such services impact the total educational programming for students, families, schools and society. A ten hour field observation placement in special education is required.

SPD2215L Introduction to Special Education Lab 0 cr
(PQ: sophomore standing and concurrent enrollment in SPD2215.) Pre-student teaching field experience consisting of 10 hours in a special education classroom.

SPD3215 Children and Families with Special Needs* 3 cr
(PQ: admission to a teacher education program or consent of the School of Education, junior standing and completion of or concurrent registration in SPD2215/2215L) A foundational course for understanding collaborative strategies that teachers can use to support the educational needs of students and families involved with special education services provided under the guidelines of IDEA. Emphasis is on learning how to identify and access multiple levels of resources (family, school and community) in order to facilitate the educational process in a manner that will benefit the student labeled with special needs.

SPD3218 Special Education: Due Process, Trends and Problems* . . 2 cr
(PQ: admission to a teacher education program or consent of the School of Education) An examination of the legal responsibilities of schools as prescribed by federal and state mandates. Specific issues related to due process for special education under IDEA are addressed. A review of current best practices and policies that impact due process through the use of case studies is presented and students work directly with the IEP process.

SPD4315 Measurement and Assessment in Special Education* . . . 3 cr
(PQ: admission to a teacher education program or consent of the School of Education) A survey of basic concepts and principles of measurement in special education, including factors influencing

validity and reliability. Students become acquainted with the administration and interpretation of educational tests used in the special education field.

SPD4415 Behavioral Analysis: Classroom Methods/Interventions for Students Labeled EBD and LD 6 cr
(PQ: admission to a teacher education program or consent of the School of Education; SPD2215/2215L, SPD3218, SPD4315, concurrent registration in SPD4415L) Multi-frameworks for classroom interventions are used as the foundation for the course. Learners interact with specific models that address classroom interventions specific to meeting the needs of populations receiving support services under the labels of SLD and EBD. Hands-on application will be used to help learners use the interventions effectively. Concurrent registration in SPD4415L is required.

SPD4415L Special Education Field Experience 0 cr
(PQ: admission to a teacher education program or consent of the School of Education; SPD2215/2215L, SPD3218, SPD4315 and concurrent registration in SPD4415) Students participate in a twenty hour field experience focused on working with students receiving special education services in the areas of EBD and SLD.

SPD4425 Behavioral Analysis: Methods and Interventions (non-classroom) 6 cr
(PQ: admission to special education minor or consent of the School of Education; SPD2215/2215L, SPD3218, SPD4315 and concurrently enrolled in SPD4425L) Multi-frameworks for classroom interventions are used as the foundation for the course. Learners interact with specific models that address classroom interventions specific to meeting the needs of populations receiving support services under the labels of special education (traditional and non-traditional). Hands-on application will be used to help learners use the interventions effectively in a setting appropriate to their chosen field.

SPD4425L Special Education Field Experience (non-classroom) . . . 0 cr
(PQ: admission to special education minor or consent of the School of Education; SPD2215/2215L, SPD3218, SPD4315 and concurrently enrolled in SPD4425) Students participate in a minimum of 30 hours of field experience focused on working with students receiving special education services in the area of special education (e.g., LD, EBD and other categories).

Education – Visual Arts

Note: PQ for the following upper-level (3000–4999) Education courses include admission to a teacher education program.

EAR4345 Art Methods for Elementary Teachers 2 cr
(PQ: ART1005 or ART1825, EDU3235 and admission to the elementary or visual arts education teacher education program. Elementary education majors must be concurrently enrolled in EEL4345, EEL4346, EEL4347, MUE4345 and EEL4835/4835L or EEL4836/4836L. Visual Arts majors must be concurrently enrolled in EAR4345L.) A basic course in art education with emphasis on a comprehensive approach to practices and appreciation of art experiences for elementary school children. Pre-student teaching required.

EAR4345L Art Methods for Elementary Teachers Lab 0 cr
(PQ: ART1005 or ART1825, EDU3235 and admission to visual arts education teacher education program. Must be taken concurrently with EAR4345.) Observation and teaching in an elementary visual arts classroom.

EAR4465 Art Methods for Secondary Art Teachers 2 cr
(PQ: senior status, EAR4345/4345L and admission to the visual arts education teacher education program. Must be taken concurrently with EAR4465L.) An advanced course in theories and practice for art instruction with emphasis on curriculum development for middle school and high school art students. The course underscores the inclusion of 3-D Fiber arts through the study of fibers/yarns, surface design and structural design within the secondary art curriculum. Pre-student teaching required.

EAR4465L Art Methods for Secondary Art Teachers Lab 0 cr
(PQ: senior status, EAR4345/4345L and admission to the visual arts education teacher education program. Must be taken concurrently with EAR4465.) Observation and teaching in a secondary visual arts classroom.

Education – World Language

WLE4415 Methods and Materials for Language Teaching. 4 cr
 (PQ: LIN2226 or 2227, SPA3201, 3202, senior standing and admission to the Spanish education program. Must be taken concurrently with WLE4415L. Spanish Education majors must also be concurrently enrolled in WLE4417L.) A study of the purposes, methods, instructional materials and evaluation techniques in the teaching of world languages. The course provides theory, modeling and application of instructional strategies for developing language skills.

WLE4415L Methods Lab - Spanish Elementary 0 cr
 (PQ: senior standing and admission to the Spanish education program. Must be taken concurrently with WLE4415.) Observation and teaching in an elementary Spanish classroom.

WLE4416 Methods and Materials for ESL/World Language. 1 cr
 (PQ: senior standing and admission to teacher education programs in ESL Education and World Language Education. Must be taken concurrently with EDL4461, EDL4461L and EDL4462.) A study of the purposes, methods, instructional materials and evaluation techniques in the teaching of world languages that is designed for the teacher candidate completing dual licensure preparation in ESL and world language teaching. The course provides theory, modeling and application of instructional strategies specific to the world language.

WLE4417L Methods Lab - Spanish Secondary 0 cr
 (PQ: senior standing and admission to the Spanish education program. Must be taken concurrently with WLE4415.) Observation and teaching in a secondary Spanish classroom.

Engineering

EGR1005 Introduction to Engineering[§] 4 cr
 An introduction to engineering practice and profession through problem description, analysis, innovative solutions, design, and implementation. Computer aided design (CAD) is introduced and used in the completion of team-based projects. Results are presented orally and reported. A \$200 course fee required.

EGR2105 Statics and Dynamics[§] 4 cr
 (PQ: C- or better in PHY1201) Force and moment vectors; resultants. Principles of statics. Applications to simple trusses, frames and machines. Distributed loads. Properties of areas. Laws of friction. Review of particle dynamics. Mechanical systems and rigid-body dynamics. Kinematics and dynamics of plane systems. Energy and momentum of 2-D bodies and systems. A \$200 course fee required.

EGR2107 Introduction to Electronics and Electrical Circuits. 3 cr
 (PQ: C- or better in PHY1202 and successfully passed or concurrently enrolled in EGR2108) Introduction to modeling, analysis, and design of linear circuits using lumped models for various sources and passive elements. Topics include the application of Ohm's and Kirchhoff's laws, transient and steady state analyses of reactive circuits, and use of ideal diode, BJT, FET, and operational amplifier models in the design of practical applications.

EGR2108 Electronics and Electrical Circuits Laboratory[§] 1 cr
 (PQ: C- or better in PHY1202 and successfully passed or concurrently enrolled in EGR2107) Laboratory experiences spanning the use of standard electrical test and measurement equipment in the design of various first and second order linear circuits. Student team members support one another on documentation of findings. A \$200 course fee required.

EGR2125/2125L Design and Manufacturing Laboratory[§] 2 cr
 (PQ: C- or better in EGR1005) Application of manufacturing processes with consideration of manufacturability at the design phase and realization of the design through safe operation of basic machining equipment. A \$200 course fee required.

EGR2145 Surveying Fundamentals[§] 2 cr
 (PQ: EGR1005) The fundamentals of surveying measurements are introduced to provide a broad overview of instrumentation, procedures, corrections and reductions, datums, and computations to produce a topographical map or a site plan for engineering and design projects. A \$200 course fee required.

EGR2205 Mechanics of Materials[§] 4 cr
 (PQ: C- or better in EGR2105) Basic classical concepts of structural analysis, including external reactions, internal forces and deformations of two- and three-dimensional statically determinate and indeterminate structures. A \$200 course fee required.

EGR2206 MATLAB[§] 2 cr
 (PQ: C- or better in MAT2121 or concurrently enrolled) An introduction to the numerical computing, programming capabilities, and graphics environment of MATLAB with application to engineering solutions. Specifically, students gain practical skills through the completion of problem-based assignments and projects. A \$200 course fee required.

EGR2207 Thermodynamics[§] 4 cr
 (PQ: CHE1021, MAT2122 and PHY1201 [C- or better required in all]) A study of the first and second laws of thermodynamics; basic energy concepts; the properties of liquids and vapors including enthalpy and entropy. Analysis of power and refrigeration cycles. Introduction to gas mixtures, chemical reactions and chemical and phase equilibrium. A \$200 course fee required.

EGR3115 Materials Science[§] 4 cr
 (PQ: CHE1021 and PHY1201) Students learn the structures and physical properties of engineering materials, including metals, ceramics, polymers, semiconductors and composites, by applying knowledge of electronic structure of atoms and chemical bonding theories (molecular, ionic and metallic). Mechanisms and characteristics of strengthening and deformation are explored. A \$200 course fee required.

EGR3215 Control Systems[§] 4 cr
 (PQ: MAT3335) Introduction to control system design, including time domain analysis and frequency domain analysis of control systems. Characteristics, modeling and performance of feedback control systems are analyzed and discussed. A \$200 course fee required.

EGR3225 Fluid Mechanics[§] 4 cr
 (PQ: EGR2105; C or better in EGR2207; and MAT3335 or concurrently enrolled) Introduction and fundamentals of fluid properties, fluid statics, control volume and differential analysis for continuity, momentum and energy equations. Bernoulli equation and potential flow. Laminar and turbulent internal and external flows. Dimensional analysis and similitude. Boundary layers, lift and drag. A \$200 course fee required.

COURSE DESCRIPTIONS

EGR3235 Electronic Devices[§] 4 cr
(PQ: EGR2107) The construction and operation of various semiconductor devices are described and presented in common applications. Small signal analysis is used to determine the input resistance, output resistance, amplification, and frequency response of single and multi-stage amplifiers. The properties of A, B, AB, and C power amplifiers are explored. Operational amplifiers are presented in the design of instrumentation, active filter, and oscillator systems. Simulation is utilized to reinforce concepts. A \$200 course fee required.

EGR3236 Digital Electronics Laboratory[§] 2 cr
(PQ: MAT3226) The fundamentals of digital systems are introduced and applied in a laboratory setting. Topics include the use of a hardware descriptive language for the design of combinational and sequential logic circuits. Various programmable devices, including programmable logic devices (PLD), field-programmable gate arrays (FGPA), and microcontroller implementations are investigated. Learned skills culminate in a design project. A \$200 course fee required.

EGR3237 Electromagnetic Fields and Waves Laboratory[§] 2 cr
(PQ: EGR2107) Properties of transmission lines, electrostatics, magnetostatics, and electromagnetic waves in unbounded space are modelled by Maxell's equations and illustrated in a laboratory setting. Topics include wave guides, cavities, radiation theory, and antennas. A \$200 course fee required.

EGR3245 Structural Analysis[§] 4 cr
(PQ: EGR2105) Topics include design loads per structural and building codes; Support reactions; Structural stability and determinacy; Determinate structure including trusses, beam and frame, cable and arch; Deflections of beams and frames; Work-Energy Methods for deflection calculation; indeterminate structures: Force Method, Displacement Method, and Moment Distribution Method. A \$200 course fee required.

EGR3246 Materials Laboratory for Civil Engineering[§] 2 cr
(PQ: EGR2205) Behavior mechanisms for materials such as concrete, metals, plastics, wood and asphalt. Specification standards for material properties. Testing techniques for materials. A \$200 course fee required.

EGR326 Materials Laboratory for Mechanical Engineering[§] 2 cr
(PQ: EGR2205) Testing of mechanical properties of engineering materials (modulus of elasticity, tensile strength, strength in compression, impact strength, creep, necking, fracture). A \$200 course fee required.

EGR327 Heat and Mass Transfer[§] 4 cr
(PQ: EGR3225, MAT3335, and concurrently enrolled in EGR3328) Fundamental principles of steady and unsteady heat transfer by conduction, radiation and convection are examined. Concepts of mass transfer are introduced. Contains design of fins, phase change heat transfer and heat exchanger design. Finite difference techniques are developed and examined. A \$200 course fee required.

EGR328 Thermal-Fluids Laboratory[§] 2 cr
(PQ: EGR3225 and concurrently enrolled in EGR3327) Experimental methods in fluids; boundary layer flows; radiative and convective heat transfer experiments; compressible flows. A \$200 course fee required.

EGR335 Microcontrollers[§] 2 cr
(PQ: EGR3236) Microcontroller organization, opcodes, assembly language programming, logic operations, and bit manipulation with C language equivalency are introduced in a laboratory setting. Peripheral

interface, PWM output, and interrupt programming are implemented for typical solutions. A \$200 course fee is required.

EGR337 Signals and Systems[§] 4 cr
(PQ: MAT3335) An introduction to time and frequency domain representation of fundamental, continuous and discrete time signals and systems. Topics include fundamental signals and operations, system properties, and representation of linear time-invariant systems with application of appropriate Fourier and Laplace analysis. MATLAB is used to simulate, implement, and analyze the effects of various FIR and IIR filters. A \$200 course fee required.

EGR338 Communications Systems Laboratory[§] 2 cr
(PQ: EGR2108) The fundamentals of analog and digital communication systems are introduced in a laboratory setting. Various modulation and demodulation methods are explored by practically transmitting and receiving signals, respectively. Signal to noise ratio, quantization error, and other parameters are evaluated in order to discuss system performance. A \$200 course fee required.

EGR347 Geotechnical Engineering[§] 4 cr
(PQ: EGR3246 and concurrently enrolled in EGR3348) Concepts include geological origin of soil; Grain size of soil; Weight-volume relationships; Plasticity and structure of soil; Classification of soils; Soil compaction; Permeability and Seepage; Stresses in soil; Compressibility of soil; Shear strength of soil; Lateral earth pressure; Slope stability; Bearing capacity of soil; Shallow foundations; Subsoil exploration. A \$200 course fee required.

EGR348 Soils Testing Laboratory[§] 2 cr
(PQ: EGR3246 and concurrently enrolled in EGR3347) Students investigate testing techniques for geotechnical engineering materials which includes specification standards for soils testing, behavior mechanisms for soils, and determination of moisture content, specific gravity, and Atterberg limits of soils. Sieve analysis, hydrometer analysis, soil classification, proctor compaction test, permeability of soils, shear strength of soil, consolidation testing of soil, and triaxial testing of soil are also explored.

EGR4235 Embedded System Design \$ 4 cr**
(PQ: EGR2206 and EGR3236) The specification, design, development, simulation, and testing of real-time, embedded microcontroller systems are discussed and practically implemented. Various architectures, real-time programming, and interface of common peripheral devices are introduced and used in applications. A programmable logic controller (PLC) device is introduced and used in typical industrial applications. A \$200 course fee required.

EGR4237 Machines and Power Systems \$ 4 cr**
(PQ: EGR2107) The fundamentals of transformers and rotating machines are analyzed with typical industrial applications. Power system generation, transmission, and distribution are modeled using equivalent three-phase and single-phase circuits in order to assess stability and dynamic performance. Power flow is simulated with consideration of faults and protection. A \$200 course fee required.

EGR425 Design of Reinforced Concrete \$ 4 cr**
(PQ: EGR2105) Properties of concrete-making materials; Proportioning of concrete mixtures; Design loads; Behavior of plain and reinforced concrete subjected to flexural and compressive stresses; Strength reduction factor for concrete structures; Failure theories, nominal and design strength of plain and reinforced concrete structural components; Bond, development lengths and splices; Design of beams, slabs, columns and continuous components of reinforced concrete; Design of reinforced concrete structures including footings, retaining walls and shear walls; Design for shear, torsion and serviceability of reinforced concrete. A \$200 course fee required.

EGR4247 Transportation Engineering \$** 4 cr
(PQ: MAT2122) Introduction to the profession of transportation engineering; transportation systems and organizations; principles of traffic operations including characteristics of drivers, pedestrians, vehicles and roads, highway safety, theories of traffic flow, intersection design and control, and highway capacity and intersection capacity; process of transportation planning including forecasting travel demand and evaluation of transportation alternatives; design of highway infrastructure including geometrical design of highway facilities and design of highway drainage; pavement materials and pavement design including soil engineering, bituminous materials, and design of flexible and rigid pavements; pavement management. A \$200 course fee required.

EGR4311 Engineering Design I^S WCE 4 cr
(PQ: ENG2205 or ENG2825, and 34 credits from EGR-prefix courses; COS3001, MAT3326, and SCI1010 may be included in the 34 credits) Systematic project design with consideration of client need and specification is implemented by a student team. In particular, the team researches and proposes a solution with analysis of components, materials, man-power, cost estimate, and possible health, safety, environmental, ethical, and social impact. An approved project is then scheduled to identify and define major activities in each project phase, minimize resource conflicts, describe team member responsibilities, and ensure cost effective budgeting, control, and reporting in order to audit, assess, and mitigate project risk. A \$200 course fee required.

EGR4312 Engineering Design II^S OCE 4 cr
(PQ: EGR4311; and SPE1075 or SPE1825) Based upon Engineering Design I, a student team implements an established project plan and evaluates the solution with consideration of the design criteria and impact on health, safety and environment. Assessment is based on member ability to support team success in project organization, documentation, presentation and achievement. A \$200 course fee required.

EGR4315 Computer Simulation and Analysis \$** 4 cr
(PQ: EGR2206, EGR2205 or EGR3225, MAT3335; C- or better in all prerequisites) Geometric and solid modeling for computational analysis, system optimization and rapid prototyping. Focus is on designing a system, representing that system on the computer using appropriate meshing techniques, and analyzing it using finite volume or finite element techniques. Emphasis is on the use of computer-based tools for system design. Students are required to develop models that capture the necessary physics, are computationally efficient, and are validated where possible. A \$200 course fee required.

EGR4339 Numerical Analysis \$** 4 cr
(PQ: C- or better in EGR2206 and MAT2122) Topics studied include solution of equations by interpolation and approximation, differentiation and integration, matrices and systems of equations and solution of differential equations. A \$200 course fee required.

EGR4355 Biomedical Instrumentation and Devices \$** 4 cr
(PQ: EGR2107) The fundamental devices, circuitry, and techniques used to acquire and process biomedical quantities and signals are discussed, analyzed, and practically implemented in a laboratory setting. In particular, physiological signals, related transducers, signal conditioning methods, and extracted features are used in the design of biomedical acquisition systems. Furthermore, the safe design of biomedical devices, clinical laboratory instruments, and medical imaging systems is discussed and analyzed. A \$200 course fee required.

EGR4357 Engineering Biomechanics \$** 4 cr
(PQ: EGR2205 and MAT3335) This course introduces the complex mechanical behaviors of biological tissues and human movement. It is intended to provide a sound basis for students interested in pursuing careers in biotechnology, medicine, or biomedical research. The course includes anisotropy, viscoelasticity, active force generation and pressure vessels as applied concepts of statics, dynamics, and mechanics of materials to biological systems. Changes in mechanics due to injury or disease are also discussed. Relevant aspects of anatomy and physiology are covered as appropriate. A \$200 course fee required.

EGR4841 Research^{\$} 0–2 cr
(PQ: consent of instructor) Students identify a problem, conduct a literature search, write a proposal outlining the research to be conducted and then carry out the research project. Students prepare a written report and/or an oral summary of their work. **Note:** This course is designated as repeatable for a maximum of 4 credits. A \$200 course fee required.

EGR4995 Engineering Internship 1–2 cr
(PQ: junior standing, consent of instructor, and internship registration form) Students gain industry experience through an internship position that provides an opportunity for the application of problem-solving skills with consideration of engineering ethics and practice. **Note:** This course is designated as repeatable for a maximum of 4 credits. See page 25 for note regarding internships.

English

Directed studies are available. See pages 26–27.

ENGO109 Education Writing Lab 2 cr
(Required of Education majors who need to demonstrate English proficiency for admittance to a teacher education program; others may take course with consent of instructor) A supplement to college-level writing, usage and punctuation skills, including an emphasis on focused writing and organizational strategies. Credits do not apply to degree requirements.

ENG1105 Composition[#] 4 cr
(PQ: ACT English or ACT English/Writing score of 19 or above [SAT Writing and Language score of 26 or above]; CLT Grammar/Writing score of 21 or above, high school cum GPA of 2.67 or higher) A writing course designed to prepare students for college-level thinking and writing. Emphasis will be placed on the writing process, including editing skills. Equivalent to ENG1109 (see College of Graduate, Online, & Adult Learning catalog).

ENG1105L English Composition Lab 1 cr
(Required of students with ACT English or ACT English/Writing score of 18 or below [SAT Writing and Language score of 25 or below; CLT Grammar/Writing score of 20 or below] and if the student's high school cum GPA is 2.66 or below. To be taken concurrently with ENG1105.) Reinforcement of skills used in college-level writing, including an emphasis on compositional strategies and editing. This course supports students in ENG1105 Composition.

ENG1825 Honors Composition 4 cr
(PQ: ACT English or ACT English/Writing score of 27 or above [SAT Writing and Language score of 33 or above, or CLT score of 85 or above], or high school cum GPA of 3.7 or higher, or consent of instructor; taken in place of ENG1105) A writing course for students who have demonstrated special proficiency in language use and reading skills. Through individual and collaborative assignments, students will practice their critical reading and thinking skills, study rhetoric by analyzing argumentation and write essays in multiple genres. ENG1825 is taken in place of ENG1105.

COURSE DESCRIPTIONS

ENG2146 Writing for Organizations **2 cr**
(PQ: ENG1105 or ENG1825, or consent of instructor) Principles and forms of professional writing within organizations, including procedures, policies, reports, proposals, electronic media, project management timeline, and professional presentations.

ENG2205 Critical Thinking and Writing[#] **2 cr**
(PQ: ENG1105 or ENG1825) A writing course designed to improve students' skills in source analysis, critical thinking and argumentation as they create a research paper. Students will develop skills in research by using reference materials, journals and databases related to their disciplines. Should be taken before completion of 60 graduation credits. Equivalent to ENG2209 (see College of Graduate, Online, & Adult Learning catalog).

ENG2215 Writer's Style[#] **2 cr**
(PQ: ENG1105 or ENG1825, or consent of instructor) A writing course that explores a variety of writing nuances, genres and techniques. Students write several non-fiction texts.

ENG2216 Writing of Poetry **2 cr**
(PQ: ENG1105 or ENG1825, and sophomore standing) A study of prosody, the techniques of poetry writing and contemporary poets with an emphasis on creating original poetry in a workshop format.

ENG2217 Writing of Fiction **2 cr**
(PQ: ENG1105 or ENG1825, and sophomore standing) A study of the techniques of fiction writing and contemporary fiction writers with an emphasis on creating original short stories in a workshop format.

ENG2235 Editing and Proofreading **2 cr**
(PQ: ENG1105 or ENG1825) An introduction to all levels of the editing process—acquisition and development editing, substantive and line editing, copyediting and proofreading. Students will read and reference relevant texts on editing and will practice their editorial skills on a variety of sample manuscripts.

ENG2825 Honors Critical Thinking and Writing **2 cr**
(PQ: ENG1105 or ENG1825, and ACT English or ACT English/Writing score of 27 or above [SAT Writing and Language score of 33 or above, or CLT score of 85 or above], or high school cum GPA of 3.7 or higher, or consent of instructor; taken in place of ENG2205) A writing course for students who have demonstrated special proficiency in language use and reading skills. The course is designed to improve students' skills in source analysis, critical thinking, and argumentation as they create a research paper. Through individual and collaborative assignments, students will develop skills in research by using reference materials, journals, and databases related to their disciplines. This course should be taken before a student completes 60 graduation credits. ENG2825 is taken in place of ENG2205.

ENG3125 Structure of English Grammar **4 cr**
(PQ: ENG1105 or ENG1825) A course in analyzing the structures of English sentences in all their various forms. The course includes theories of grammar and applications of syntactical analysis to writing, reading and teaching.

ENG3165 Instructional Design for Professional Writing^{*} **2 cr**
(PQ: ENG1105 or ENG1825) Students study learning theory and design models to write and develop training or educational materials for online platforms.

ENG3210 Christianity and Writing^{*} **2 cr**
(PQ: ENG2215, ENG2216 or ENG2217, or consent of instructor) A writing course designed to give students practical and theoretical insight into how writing and the arts integrate with Christian faith. Students will produce creative, faith-oriented texts and read faith-based literature by established writers.

ENG3219 Autobiographical Writing^{*} **2 cr**
(PQ: ENG2215 or ENG2217, or consent of instructor) Development of students' writing skills centered on personal histories. Emphasis will be placed on writing technique and critique, heightened self-awareness and the importance of memoir in literature and life.

ENG3240 Writing of Place^{*} **2 cr**
(PQ: ENG2215, ENG2216, or ENG2217 or consent of instructor) A writing course designed to give students practical and theoretical insight into how landscape integrates into writing. Students will read work by professional authors and produce creative text that prominently features a sense of place.

ENG3247 Technical Writing^{*} **2 cr**
(PQ: ENG1105 or ENG1825) Principles and forms of technical writing, including writing technical instructions, technical descriptions and technical reports.

ENG3248 Grant Writing **2 cr**
(PQ: ENG2205 or ENG2825, or consent of instructor) A course designed to give students practical and technical experience in creating grant proposals on behalf of nonprofit organizations. Students will work with an organization of their choice to gather information that will lead to the development of key components of a grant proposal. With additional instruction in how to tailor a proposal to a specific funding audience, students will adapt their existing text to meet the focus areas of a selected funder.

ENG3249 Social Media Marketing^{*} **2 cr**
(PQ: ENG1105 or ENG1825, or consent of instructor) A writing course exploring use of social media to tell stories of a brand's products and services. Topics include identifying target audiences for ministry, nonprofit and for-profit applications and identifying techniques and strategies for audience engagement across multiple social media platforms.

ENG3256 Advanced Writing of Poetry^{*} **2 cr**
(PQ: ENG2216) A course in which students continue to develop their writing skills in poetry through the reading of contemporary poetry, the study of poetic technique and the practice of writing poetry. Emphasis will be placed on deepening students' understanding of the poetic craft, engaging in a workshop format and examining the spiritual aspect of poetry.

ENG3257 Advanced Writing of Fiction^{*} **2 cr**
(PQ: ENG2217) A course in which students continue to develop their writing skills in fiction through the creation of original short stories. Emphasis will be placed on deepening students' use of the tools of fiction, good writing technique, critique and learning from established fiction writers.

ENG3316 Freelance Content Writing^{*} **2 cr**
(PQ: ENG1105 or ENG1825) A writing course designed to give students practical knowledge and writing skills in content marketing and freelancing which will enable them to do independent, freelance writing for clients.

ENG3625 Advanced Writer's Workshop^{*} **2 cr**
(PQ: two of the following: ENG2215, ENG2216, or ENG2217, or consent of instructor) A continued development of students' skills in reading and writing poetry and prose. Course provides an intensive writing experience in which students produce sophisticated texts in a chosen genre.

ENG4435 Writing Theory and Ethics^{WCE} * **2 cr**
(PQ: ENG2205 or ENG2825, and junior or senior standing, or consent of instructor) A survey of Western and non-Western writing theories from classical to contemporary with an emphasis on the relationship of theory to Christianity and ethics, encompassing the overlapping studies of literacy, rhetoric/composition, professional/technical writing and creative writing, as well as drawing on language studies and philosophy.

ENG4615 Literary Editing **0–1 cr**
(PQ: ENG2216, ENG2217 and consent of literary magazine advisor) Practical experience in editing *Inkstone*, the university literary magazine, including publicity, selection of creative pieces and work with printing houses. **Note:** This course is designated as repeatable and may be repeated three times for credit after the original taking of the course.

ENG4855 Senior Capstone: Creative Writing^{DCE} **2 cr**
(PQ: ENG2205 or ENG2825; ENG2215; ENG2216; ENG2217; ENG4435; SPE1075 or SPE1825; and 4 credits from ENG3210, ENG3219, ENG3256, ENG3257, ENG3625 and approved topics;

senior standing; English major with a writing or literature and writing concentration; and consent of instructor) An individualized course in which students write creative texts in poetry, personal essay and/or short fiction.

ENG4858 Senior Capstone: Professional Writing^{DCE} **2 cr**
(PQ: ENG2205 or ENG2825; SPE1075 or SPE1825; ENG2146; ENG4435; 4 credits from ENG2235, ENG3165, ENG3247, ENG3248, ENG3249, ENG3316 and approved topics; senior standing; English major with a writing or literature and writing concentration; consent of faculty supervisor and internship registration form) An individualized course for which students write within the field of professional writing and produce a portfolio.

ENG4995 Writing Internship **1–4 cr**
(PQ: consent of faculty supervisor and internship registration form) Supervised work experience in writing, publishing, or other English-related employment. **Note:** This course is designated as repeatable. See page 25 for note regarding internships (professional experiences).

English for Non-Native Speakers

LAN1105L English Composition Lab **1 cr**
(Required of non-native speakers of English with ACT English or ACT English/Writing score of 18 or below [SAT Writing and Language score of 25 or below; CLT Grammar/Writing score of 20 or below], TOEFL score of 70 or below, or with no ACT or SAT score. To be taken

concurrently with ENG1105.) Reinforcement of skills used in college-level writing, including an emphasis on compositional strategies and editing. This course supports students in ENG1105 Composition whose first language is not English.

English as a Second Language (TESOL)

ESL3210 Introduction to Sociolinguistics **2 cr**
(PQ: sophomore standing) This course will focus on examining language and linguistic behavior as influenced by social and cultural factors. Topics include language and learning development, function of language and the social, intellectual and political impact of communication. Drawing from research on social contexts of language use, we will consider the pedagogical implications of teaching and learning English in K–12 school contexts

ESL3215 Language, School and Society **4 cr**
(PQ: sophomore standing) Examination of the role of language in human interaction and how it reflects socioeconomic status, power, ethnicity, geographical origin, political and religious identity and gender. Implications for teaching and learning English as a second language.

ESL3315 Theory of Language Acquisition **4 cr**
(PQ: LIN2226) Study of current research and theories in language acquisition. Examination of the language learning process and variables that affect language acquisition.

ESL4325 Teaching Grammar for ESL - TESOL **2 cr**
(PQ: ENG3125, LIN2226 and enrollment in TESOL minor) Study of English grammar with emphasis on how to effectively present English grammatical points to ESL students in diverse settings.

ESL4326 ESL Curriculum and Assessment - TESOL **2 cr**
(PQ: ENG3125 and LIN2226 and enrollment in TESOL minor) Study and practice of language curriculum development. Study and practice of formal and informal second language assessment techniques to determine appropriate placement and to evaluate the progress of ESL students in diverse settings.

Finance

FIN2025 Personal Money Management **2 cr**
A survey of the principles of financial management from the viewpoint of the consumer. Topics include personal budgeting, consumer buying, credit, real estate, investments, personal income tax, insurance, risk analysis, trusts, wills and estates. (Open to business and non-business majors.)

FIN2221 Finance I **2 cr**
(PQ: C or better in ACC2101 and ACC2102, or concurrently enrolled in ACC2102) Introduction to financial concepts and issues within the context of the corporation. Topics include analysis of financial statements, budgeting, leverage and working capital management.

FIN3222 Finance II **2 cr**
(PQ: FIN2221 or ACC3201 or concurrently enrolled in ACC3201) A continuation of FIN2221. Further examination of financial issues within the corporation. Topics include time value of money, risk/return relationships and application to capital budgeting.

FIN3225 Investments **4 cr**
(PQ: C or better in FIN3222) Discussion of decision criteria and procedures used in investment selection. Risk as a concept is explored. Relationships between risk and return are developed and used with analytical techniques developed to study marketable securities. Portfolio management, including international aspects, is developed in the context of dynamic financial markets.

COURSE DESCRIPTIONS

FIN3226 Money and Banking **4 cr**
 (PQ: C or better in FIN3222; and C or better in ECO2201 or ECO2211)
 A history of commercial banking, functions of the Federal Reserve System, creation of money, open market operations and fiscal and monetary controls.

FIN3227 Trusts, Wills and Estates **2 cr**
 (PQ: C or better in BUS3331) An advanced analysis of the various tools of estate planning, including trusts and wills.

FIN4325 Wealth Management **4 cr**
 (PQ: C or better in FIN3222) This course addresses issues in financial planning from an individual perspective, covering portfolio management, performance analysis, diversification and risk, retirement planning, asset protection, insurance, and real estate.

FIN4855 Portfolio Research **2 cr**
 (PQ: C or better in FIN3222, FIN3225; finance major or consent of instructor) Instructor-guided design of a balanced fund portfolio for use in FIN4856. Focus on research and justification of proposed portfolio design aligned with fund goals and UNW's mission and values.

FIN4856 Portfolio Management **2 cr**
 (PQ: C or better in FIN4855; finance major or consent of instructor) Instructor-guided, hands-on experience managing investment holdings in accordance with the portfolio designed in FIN4855. Emphasis on managing for a competitive risk-adjusted rate and alignment with established fund priorities and Christian ethics.

FIN4995 Finance Internship **1 cr**
 (PQ: BUS3835, consent of faculty supervisor, and internship registration form) Supervised work experience related to student's major. Students may enroll for this course at various times as their schedules permit. **Note:** This course is designated as repeatable and may be repeated three times after the original taking of the course. See page 25 for note regarding internships.

General Studies

GST1015 Basic Computer Applications^{##} **1 cr**
 This class teaches basic computer literacy and introduces students to common desktop applications such as word processing, spreadsheets, Internet and multimedia. Software specific to the course includes Microsoft Word, Excel, Internet Explorer and PowerPoint. Skills gained in the course will provide a foundation for using these applications in other Northwestern courses. Only offered through Dual Enrollment.

GST1025 Culture, Language, and Transition into College **1 cr**
 This course will use experiential techniques to expose students to a variety of learning paradigms that address best practices that align with a successful college life in the U.S. The course will focus on the adjustments students make upon entering college campuses in the U.S. and the strategies that support college success. The course will use a wrap-around approach to offer personalized interventions leading to a successful college experience. Students are expected to use this information to develop and at the end of the course, present a personalized portfolio outlining strategies for continued success in meeting the academic rigor of college life. This course is a requirement for all incoming students on an F-1 visa. **Note:** This course is designated as repeatable for continued support.

GST1035 Discovering Majors^{##} **1 cr**
 This experientially based course is recommended for students who are undecided about an academic major and who are motivated to explore options. Students will explore both the concept of a college major and the content within the major to understand how majors relate to careers. Students will learn about major/career decision making strategies, research and evaluate majors they are considering and rank their major choices based on what they have learned. Finally, students will critically reflect on their decision making process and create an action plan for further exploration. Only offered through Dual Enrollment.

GST4095 Intent to Register for an Academic Internship **1–14 cr**
 (PQ: Faculty advisor approval) This course indicates a student's intent to register for an academic internship. It is to be used for students that intend to secure an academic internship, but will not have secured the internship prior to the deadlines required for financial aid and/or athletic eligibility.

Geography

GEO1005 Introduction to Geography **2 cr**
 An introduction to the study of the interrelation of human and physical geography. Attention is directed to geographical concepts, maps, physical geography, population geography, cultural geography, political geography, agriculture and economic geography.

GEO1007 Principles of Geography^{##} **3 cr**
 An introduction to the study of the interrelation of human and physical geography. Attention is directed to geographical concepts, maps, physical geography, population geography, cultural geography, political geography, agricultural and economic geography. May be taken to satisfy the Scientific & Quantitative Literacy social science requirement in the core curriculum. Equivalent to GEO1005. Only offered through Dual Enrollment.

GEO1015 World Geography **2 cr**
 An analysis of the global perspective of peoples and places in a political and economic geographical context. Topics include the study of the various geographical regions of the world with attention paid to the particular aspects of each region's peoples, cultures and economic development.

GEO1017 Principles of World Geography^{##} **3 cr**
 An analysis of the global perspective of peoples and places in a political and economic geographical context. Topics include the study of the various geographical regions of the world with attention paid to the particular aspects of each region's peoples, cultures and economic development. May be taken to satisfy the Scientific & Quantitative Literacy social science requirement in the core curriculum. Equivalent to GEO1015. Only offered through Dual Enrollment.

Health & Physical Education

Full details are given under School of Education programs for the Physical Education/Health licensure areas. See pages 107–111 and 121.

- HPE1005 Foundations of Physical Education and Health 2 cr**
For freshmen and sophomores majoring or minoring in physical education or kinesiology. Survey of trends in the field of physical education. History, present philosophy and objectives are examined. Professional publications in the field are analyzed.
- HPE2005 First Aid and Personal Safety 1 cr**
Skills and knowledge necessary to give aid to victims of trauma or sudden illness. Red Cross first aid and CPR certifications available.
- HPE2006 Sexuality Education 2 cr**
This course will explore the current knowledge, attitudes and contemporary issues in family, social and sexuality education and prepare future professionals for family life and sexuality education at the K–12 level. The course is intended to help students increase their knowledge of sexuality, relationship principles and the ability to educate and promote sexual and family health. There will be an emphasis on knowledge mastery, curriculum design, educational materials and implementation methods.
- HPE2007 Methods of Teaching Group Exercise 2 cr**
This course is an introduction to teaching group exercise. A foundation of information about fitness and principles of exercise necessary to teach group exercise will be explored. In addition, the students will have an opportunity to practice techniques and skills needed to teach a variety of formats of group exercise.
- HPE2015 Techniques of Team Sports 3 cr**
The theory and practice of skill analysis and instructional strategies in the teaching of soccer, flag football, team handball, lacrosse, basketball, softball and badminton.
- HPE2016 Techniques of Individual and Lifetime Sports 4 cr**
The theory and practice of skill analysis and instructional strategies in the teaching of soccer, flag football, team handball, dance rhythms, lacrosse, basketball, softball, badminton, and group exercise.
- HPE2175 Anatomy of Human Movement 4 cr**
The course examines the anatomical structures of human movement. Though basic knowledge of respiratory, endocrine, digestive, integument and urinary systems will be covered, emphasis is placed on understanding the functional anatomy. A majority of the study will be of the circulatory, neuromuscular, skeletal and articular systems and their relationship to human movement, exercise and sport. The course is designed as a complementary course to the mechanics of human movement known as Biomechanics.
- HPE3005 Personal and Community Health 2 cr**
A study of personal and community problems in selected physical, emotional, social, spiritual and mental areas.
- HPE3006 Human Nutrition 4 cr**
Nutrition needs throughout the life cycle; the relationship between the quality of diet and diseases; an understanding of the present knowledge of nutrient requirements, functions and availability for optimum health and fitness.
- HPE3007 Coaching Theory* 2 cr**
Theoretical and practical foundations of coaching. Topics include coaching philosophies, leadership techniques, skill analysis, practice design, motivational approaches and administrative issues.
- HPE3008 Health Behavior: Theory and Program Planning 2 cr**
A study of the determinants of health behavior, factors influencing health behavior, health behavior theories and application methodology will be outlined. Contemporary models to plan health education programs will also be discussed.
- HPE3009 Officiating Athletics** 2 cr**
Techniques, rules, problems and procedures in officiating high school basketball, volleyball and baseball.
- HPE3015 Adapted Fitness and Activity 2 cr**
A study of exceptional physical and mental conditions that affect body movement and motor development. Course material will also cover techniques and principles directed to a teacher or trainer of fitness and sport for special populations and/or students with physical disabilities.
- HPE3025 Health and Sport Management 4 cr**
This course covers the basic knowledge and skill sets of a sport and health manager to current trends and issues in the management industry. This course provides the principle and theory for students as they study and prepare for a variety of sport and health management careers. The major themes within this course include principles of management, marketing, financial and economic, legal, ethical, sales, facility, event and career preparation. Best practices and principles applied to the organization and administration of for-profit and nonprofit sport and health programs.
- HPE3075 Assessment and Measurement in Physical Education 2 cr**
A study of existing methods of evaluation for physical education programs with consideration given to techniques of test administration and the organization and interpretation of test data.
- HPE3205 Advanced First Aid** 1 cr**
(PQ: HPE2005) Advanced first aid training techniques.
- HPE3275 Care and Prevention of Injuries 2 cr**
(PQ: HPE2005 or concurrently enrolled) Theory and practice of taping and rehabilitation techniques. The role of coaches in care of injuries will be studied.
- HPE3305 Health Education Curriculum and Instruction 3 cr**
(PQ: EDU2215; for K–12 Physical Education & Health majors only) This course provides teachers with the competencies and knowledge needed to teach school health education. An examination of the school health program, national health education curricula, national health education standards and pedagogy and teaching resources in health education will form the focus of the course.
- HPE3376 Exercise Physiology* 4 cr**
(PQ: BIO1009 or BIO1011) A study of the physiological effects which muscular activity and exercise have upon the human body. Laboratory experiments, diagnostic techniques and methods will be integrated with principles and theory.
- HPE3377 Biomechanics* 4 cr**
(PQ: BIO3157 or HPE2175) Mechanics of body movement, principles of leverage, application of muscular forces and the analysis of physical skills.

COURSE DESCRIPTIONS

HPE4075 Administration of Physical Education and Sport* **2 cr**
Current practices and principles applied to problems of organization and administration of curricular and extracurricular programs in physical education and sport.

HPE4305 Health and Fitness Evaluation and Diagnosis* **2 cr**
(PQ: HPE3376) The professional preparation in the fitness field as well as the theory and practice of evaluating physical fitness for the purpose of prescribing cardiovascular, flexibility and strength training exercise to all age groups, both healthy persons and those with medical concerns.

Healthcare Management

HCM4080 Strategic Management in Healthcare^{oo} **4 cr**
This course builds foundational understanding of the use of management systems in healthcare deliveries. Students will determine what management systems best align with an organization's mission. Application studies on both Lean and TQM management styles will be completed. This course also requires students to explore how managers build teams in highly regulated environments and ensure the processes for completing work are practical, compliant, and efficient. Only offered through Adult Undergraduate (see College of Graduate, Online, & Adult Learning catalog).

HCM4087 Healthcare Law and Ethics^{oo} **2 cr**
This course is designed to give students an understanding of the common legal and ethical issues in healthcare delivery. Students will evaluate cases to better their understanding of informed consent, as it relates to existing conditions, risks, and cost. Students will learn and assess various risk mitigation techniques for human resource, technology, and malpractice liabilities. The positive and negative aspects of corporate governance, community, state, and federal accountability systems in healthcare will be explored. Only offered through Adult Undergraduate (see College of Graduate, Online, & Adult Learning catalog).

HCM4085 Healthcare Leadership^{oo} **4 cr**
Students will learn strategies for building high-quality, high context teams centered on quality healthcare delivery. An assessment of how existing organizations integrate vision and values in to their care menu and delivery modalities will be required. This course is designed to help students formulate and articulate their own healthcare leadership principles, in both the stewardship of resources and the management of staff. Information interviews will create a platform for experiential and market-place relevant learning in this course. Only offered through Adult Undergraduate (see College of Graduate, Online, & Adult Learning catalog).

HCM4089 Finance Systems in Healthcare^{oo} **4 cr**
This course will explore the unique and complex systems of healthcare reimbursement. Students will gain an understanding of how insurance reimbursement systems intersect with delivery and how providers use analytics to determine cost, cost sharing, and pricing. Students will also learn how hospital systems operate financially and how those systems comply with corporate governance and operational requirements. Students will use information interviews to build context for class content. Only offered through Adult Undergraduate (see College of Graduate, Online, & Adult Learning catalog).

Health Sciences

HSC4835 Senior Seminar for the Health Sciences^{OCE WCE} **2 cr**
(PQ: ENG2205 or ENG2825, SPE1075 or SPE1825, and at least junior standing as a health sciences major) A capstone course designed to provide an integration of concepts in the biological sciences, biochemistry and the health professions with a discussion of the ethics of applied biology and the health sciences as they pertain to a global and culturally diverse society.

HSC4995 Health Sciences Internship **1–4 cr**
(PQ: consent of faculty supervisor and internship registration form) Supervised work experience in the health professions. **Note:** This course is designated as repeatable. See page 25 for note regarding internships.

History

HIS1005 Historical Perspectives on Culture, Belief, and Civilization[#] . . . **4 cr**
Students will examine how world cultures and belief systems have interacted with each other since ancient times. They will explore a variety of ideas, traditions, and movements, discuss key literary and cultural texts, and develop a thoughtful view on the roots and influence of Judaism, Christianity, and Islam. Reflecting upon this complex historical heritage will inform discussion of today's global issues. Equivalent to HIS1009 (see College of Graduate, Online, & Adult Learning catalog).

HIS1825 Honors Historical Perspectives on Culture, Belief, and Civilization . **4 cr**
(PQ: ACT Composite score of 27 or above [SAT score of 1280 or above or CLT score of 85 or above], or high school cum GPA of 3.7 or higher, or consent of instructor) Students will examine a variety of ideas and movements to understand how world cultures and belief systems (especially Judaism, Christianity, and Islam) have interacted since ancient times and inform today's global issues. Special emphasis is placed on the use of documents to create historical interpretations. The course stresses the practice of rhetoric in all its forms: writing, discussion, presentation, and debate. HIS1825 is a repeat of HIS1005.

HIS1005L Historical Perspectives Lab **1 cr**
(Required of students with ACT Composite score of 20 or below or high school cum GPA of 3.0 or below. Taken concurrently with HIS1005.) This lab course supports students' academic skill building in areas such as reading college texts, note taking, repeated spaced practice.

HIS1826 Honors Seminar in Humanities **4 cr**
(PQ: ACT Composite score of 27 or above [SAT score of 1280 or above or CLT score of 85 or above], or high school cum GPA of 3.7 or higher, or consent of instructor) Students will examine a variety of ideas and movements to understand how world cultures and belief systems (especially Judaism, Christianity, and Islam) have interacted in the past and inform today's global issues. Special emphasis is placed on the use of documents to create historical interpretations. The course stresses the practice of rhetoric in all its forms: writing, discussion, presentation, and debate.

HIS1007 Survey of American History^{##} **4 cr**
This course is designed to provide an introductory survey of significant themes in American History. It will consider how the United States formed and developed and will pay attention to important topics in American politics, society, economics, culture and religious belief. Only offered through Dual Enrollment.

HIS2001 U.S. History to 1877 4 cr

A survey of the social, economic, political, religious and diplomatic history of the United States from the age of exploration and colonization through the Reconstruction period. Topics include exploration and colonization, the American Revolution, the new nation, Jacksonian Democracy, slavery, reform, manifest destiny, sectionalism, economic development, the Civil War and Reconstruction.

HIS2002 U.S. History since 1877. 4 cr

A survey of the social, economic, political, religious and diplomatic history of the United States since Reconstruction. Topics include the Gilded Age, the Progressive Era, World War I, the Twenties, the Great Depression, World War II, the Cold War and recent America.

HIS2005 Introduction to Historical Studies 2 cr

Meant for all History majors and minors, this course will equip students with the concepts and skills necessary for completing upper-level history courses. Topics include locating historical resources, bibliographies, citation, historical argumentation, historiography and the integration of Christianity and historical study.

HIS3095 Digital History, Public History, and Archiving 4 cr

This course examines the practice of history in the digital and public spheres. In order to help students become knowledgeable practitioners in the fields of digital history, public history, and archiving, this course has the following aims: to introduce students to a variety of disciplines and careers for historians outside of academia; to evaluate the latest scholarship about digital and public history; to familiarize the student with digital resources; to construct a historical project in the field of public history and/or digital history.

HIS3105 History of the Ancient Near East* 4 cr

(PQ: HIS1005, HIS1825, or HIS1826 or concurrently enrolled, or consent of instructor) A study of the history and culture of the civilizations of Mesopotamia, Syria-Palestine, Asia Minor and Iran from earliest times to 500 B.C. Special attention will be given to the history and culture of the Monarchy period in Israel.

HIS3106 History and Archaeology of Ancient Egypt 4 cr

(PQ: HIS1005, HIS1825, or HIS1826 or concurrently enrolled, or consent of instructor) A study of the history and culture of the civilization of ancient Egypt from earliest times to 500 B.C. Special attention will be given to contacts with Israel and to the methods and discoveries of archaeology in the Nile Valley.

HIS3115 Old Testament Archaeology* # 2 cr

(PQ: For traditional undergraduates only: HIS1005, HIS1825, or HIS1826 or concurrently enrolled, or consent of instructor) A survey of the methods and results of archaeology as applied to sites and topics of Old Testament significance. Special emphasis is placed upon the interpretative and apologetic uses of archaeology.

HIS3116 New Testament Archaeology* # 2 cr

(PQ: For traditional undergraduates only: HIS1005, HIS1825, or HIS1826 or concurrently enrolled, or consent of instructor) A survey of the methods and results of archaeology as applied to sites and topics of New Testament significance. Special emphasis is placed upon the interpretative and apologetic uses of archaeology.

HIS3125 History of the Christian Church from Apostolic Times to the Present# . . . 4 cr

(PQ: HIS1005, HIS1825, or HIS1826 or concurrently enrolled, or consent of instructor) A study of the Christian church from apostolic times to the present. Emphasis is on the development of institutions, traditions, doctrine, ideas, expansion, the relationship of church and state, denominationalism and sectarianism and the interactions of the church with secular and intellectual movements.

HIS3128 History of the Greek World* 4 cr

(PQ: HIS1005, HIS1825, or HIS1826 or concurrently enrolled, or consent of instructor) A study of the history and culture of the ancient Greek world from earliest times to 30 B.C., with special emphasis on literature, religion and the impact of Greek civilization on Christianity.

HIS3129 History of the Roman World* 4 cr

(PQ: HIS1005, HIS1825, or HIS1826 or concurrently enrolled, or consent of instructor) A study of the history and culture of the ancient Roman world from the Republic through the fall of the Western empire in 476 A.D., with special attention to contacts with early Christianity, Roman literature and Roman religion.

HIS3135 Renaissance and Reformation* 4 cr

(PQ: HIS1005, HIS1825, or HIS1826 or concurrently enrolled, or consent of instructor) A study of European history from 1300 to 1650. Topics include the development of nation-states, capitalism, humanism, exploration and colonization, science and technology, the fine arts, religious reform and warfare.

HIS3136 History of Europe in the 18th and 19th Centuries*. 4 cr

(PQ: HIS1005, HIS1825, or HIS1826 or concurrently enrolled, or consent of instructor) A survey of European political history and socio-cultural developments between 1700 and the outbreak of World War I.

HIS3145 History of Twentieth Century Europe* 4 cr

(PQ: HIS1005, HIS1825, or HIS1826 or concurrently enrolled, or consent of instructor) A study of European developments from World War I to the present. Emphasis is on political and economic systems and the place of Europe in world affairs. Other topics include fine arts, religion, demography and social systems.

HIS3155 History of East Asia* 4 cr

(PQ: HIS1005, HIS1825, or HIS1826 or concurrently enrolled, or consent of instructor) An examination of the political, social, economic and cultural backgrounds of modern China, Japan and Southeast Asia. A survey of current political, economic and cultural conditions will be included.

HIS3156 History of Russia from Earliest Times to the Present* 4 cr

(PQ: HIS1005, HIS1825, or HIS1826 or concurrently enrolled, or consent of instructor) A study of the history and development of Russia from the ancient world to the present with special emphasis on the 19th and 20th centuries. Topics to be studied will include Russian political, social, cultural and religious history.

HIS3165 American Revolution and Early Republic 4 cr

(PQ: HIS1005, HIS1825, or HIS1826 or concurrently enrolled, or consent of instructor) A study of the creation of the American Republic in the period 1763–1815. Primacy is given to the political changes which led to Independence and the creation of a Constitutional government, but the cultural, social, economic and religious changes of the period also receive consideration.

HIS3166 History of the Modern Middle East 4 cr

(PQ: HIS1005, HIS1825, or HIS1826 or concurrently enrolled, or consent of instructor) A survey of Middle Eastern civilization from the time of Mohammad to the Present, including the development of social and cultural institutions. Particular attention will be given to the political, economic, and diplomatic developments in this region since 1914, including the Israeli-Palestinian struggle, Iraq, and U.S. Middle East Policies.

COURSE DESCRIPTIONS

HIS3167 Civil War and Reconstruction 4 cr
(PQ: HIS1005, HIS1825, or HIS1826 or concurrently enrolled, or consent of instructor) In the period 1848–1877, the United States was torn asunder through the conflict of the Civil War and Reconstruction. This course traces the issues and events involved in these great matters. Focusing on political and military matters, the course also considers the widespread upheaval of the period and the ways the Civil War remains an important historical touchstone today.

HIS3175 American Religious History 4 cr
(PQ: HIS1005, HIS1825, or HIS1826 or concurrently enrolled, or consent of instructor) A study of religion in American history from the first European settlements to the present. Special attention is given to Protestant evangelicalism, but other Christian and non-Christian groups are considered.

HIS3206 History of Recent America, World War II to the Present* . . 4 cr
(PQ: HIS2001 or HIS2002 or consent of instructor) An examination of the political, social and economic forces, events, ideas and trends which have shaped the United States, including the impact of World

War II, the Cold War era, the Korean War, the Vietnam War and the domestic and foreign affairs of the 1980s and 1990s.

HIS4835 Senior Seminar^{OCE WCE} 4 cr
(PQ: history or politics, history, and economics major; senior standing, ENG2205 or ENG2825, and SPE1075 or SPE1825; or consent of instructor) A senior seminar class dealing with the methodology of research and with historical bibliography.

HIS4995 History Internship 1–8 cr
(PQ: consent of faculty supervisor and internship registration form) Supervised work experience in history. **Note:** This course is designated as repeatable. See page 25 for note regarding internships.

HIS5019U History of Christianity 4 cr
(PQ: acceptance into an accelerated graduate program) In this course, students will survey the history of the church from its birth in the 1st century AD to its current manifestations in the 21st century. Attention will be given to the people and events that contributed to the growth and development of Christianity.

Honors Courses

ART1825 Honors Topics: Art Appreciation 2 cr
(PQ: ACT Composite score of 27 or above [SAT score of 1280 or above or CLT score of 85 or above], or high school cum GPA of 3.7 or higher, or consent of instructor) An in-depth study of a particular artist, historical period, or geographic location of visual art. Focus of the course is on descriptive, interpretive and evaluative analysis of art. ART1825 is a repeat of ART1005 and ART1007.

BIA1826 Honors Christian Thinking & Living 2 cr
(PQ: ACT Composite score of 27 or above [SAT score of 1280 or above or CLT score of 85 or above], or high school cum GPA of 3.7 or higher, or consent of instructor) A study of basic Christian beliefs and values in the cultivation of a Christian mindset and character. This includes principles for spiritual growth and moral decision-making. BIA1826 is a repeat of BIA1007.

BIA1827 Honors Interpreting Scripture 2 cr
(PQ: ACT Composite score of 27 or above [SAT score of 1280 or above or CLT score of 85 or above], or high school cum GPA of 3.7 or higher, or consent of instructor) A study of the Bible as the Word of God and of the proper methods of interpretation for spiritual transformation. BIA1827 is a repeat of BIA1015.

BIB2826 Honors Survey of the New Testament 2 cr
(PQ: ACT Composite score of 27 or above [SAT score of 1280 or above or CLT score of 85 or above], or high school cum GPA of 3.7 or higher, or consent of instructor) A study of the socio-historical setting, literary genres and theological message of the New Testament. Students study the process by which the New Testament was established, the relationship of the Old Testament to the New Testament and critical methods of New Testament scholarship. BIB2826 is a repeat of BIB2008.

BIB2827 Honors Survey of the Old Testament 4 cr
(PQ: ACT Composite score of 27 or above [SAT score of 1280 or above or CLT score of 85 or above], or high school cum GPA of 3.7 or higher, or consent of instructor) A survey of the 39 books of the Old Testament with emphasis on historical setting and literary features. BIB2827 is a repeat of BIB2005.

BIB3825 Honors Topics in Old Testament Exposition 2–4 cr**
(PQ: ACT Composite score of 27 or above [SAT score of 1280 or above or CLT score of 85 or above], or high school cum GPA of 3.7 or higher, or consent of instructor) Each of the offerings of this course focuses on an Old Testament book or grouping of books; specifically

addressing its more specialized, technical and problematic issues; students interact with the work of scholars who have made special contributions to the field of study.

BIB3826 Honors Topics in New Testament Exposition 2–4 cr**
(PQ: ACT Composite score of 27 or above [SAT score of 1280 or above or CLT score of 85 or above], or high school cum GPA of 3.7 or higher, or consent of instructor) Each of the offerings of this course focuses on a New Testament book or grouping of books; specifically addressing its more specialized, technical and problematic issues; students interact with the work of scholars who have made special contributions to the field of study.

BIB3827 Honors Topics in Old/New Testament Exposition 2–4 cr**
(PQ: ACT Composite score of 27 or above [SAT score of 1280 or above or CLT score of 85 or above], or high school cum GPA of 3.7 or higher, or consent of instructor) Each of the offerings of this course focuses on Old and New Testament books or grouping of books as specified in the class schedule. Each course offering moves quickly through the basic content of the biblical book(s) to focus on more specialized, technical and problematic issues. Some of the issues that are examined critically include introductory matters (authorship, date, provenance, purpose and literary background), structure, theology and use in the Old or New Testament. Emphasis is given to interaction with the work of Old or New Testament scholars who have made special contributions to the book(s) studied.

BIB4825 Honors Systematic Theology* 4 cr
(PQ: ACT Composite score of 27 or above [SAT score of 1280 or above or CLT score of 85 or above], or UNW cum GPA of 3.6 or higher, or consent of instructor) The study of Evangelical Christian beliefs and their relationship to other belief systems as well as their relevance to contemporary discussions both inside and outside of the church. BIB4825 is a repeat of BIB4360.

BIO2825/2825L Honors Topics in Biology* \$. 2 or 4 cr
(PQ: ACT Composite score of 27 or above [SAT score of 1280 or above or CLT score of 85 or above], or high school cum GPA of 3.7 or higher, or consent of instructor) A study of a specialized aspect of biology curriculum that includes contemplation of the natural world. The laboratory component may consist of an intensive field trip to a specialized ecosystem or habitat. For 4 credit course only: \$200 laboratory fee required; concurrent registration required in lecture and lab.

ENG1825 Honors Composition 4 cr

(PQ: ACT English or ACT English/Writing score of 27 or above [SAT Writing and Language score of 33 or above or CLT score of 85 or above], or high school cum GPA of 3.7 or higher, or consent of instructor; taken in place of ENG1105) A writing course for students who have demonstrated special proficiency in language use and reading skills. Through individual and collaborative assignments, students will practice their critical reading and thinking skills, study rhetoric by analyzing argumentation and write essays in multiple genres. ENG1825 is a repeat of ENG1105.

ENG2825 Honors Critical Thinking and Writing 2 cr

(PQ: ENG1105 or ENG1825, and ACT English or ACT English/Writing score of 27 or above [SAT Writing and Language score of 33 or above or CLT score of 85 or above], or high school cum GPA of 3.7 or higher, or consent of instructor; taken in place of ENG2205) A writing course for students who have demonstrated special proficiency in language use and reading skills. The course is designed to improve students' skills in source analysis, critical thinking, and argumentation as they create a research paper. Through individual and collaborative assignments, students will develop skills in research by using reference materials, journals, and databases related to their disciplines. This course should be taken before a student completes 60 graduation credits. ENG2825 is a repeat of ENG2205.

HIS1825 Honors Historical Perspectives on Culture, Belief, and Civilization 4 cr

(PQ: ACT Composite score of 27 or above [SAT score of 1280 or above or CLT score of 85 or above], or high school cum GPA of 3.7 or higher, or consent of instructor) Students will examine a variety of ideas and movements to understand how world cultures and belief systems (especially Judaism, Christianity, and Islam) have interacted since ancient times and inform today's global issues. Special emphasis is placed on the use of documents to create historical interpretations. The course stresses the practice of rhetoric in all its forms: writing, discussion, presentation, and debate. HIS1825 is a repeat of HIS1005.

HIS1826 Honors Seminar in Humanities 4 cr

(PQ: ACT Composite score of 27 or above [SAT score of 1280 or above or CLT score of 85 or above], or high school cum GPA of 3.7 or higher, or consent of instructor) Students will examine a variety of ideas and movements to understand how world cultures and belief systems (especially Judaism, Christianity, and Islam) have interacted in the past and inform today's global issues. Special emphasis is placed on the use of documents to create historical interpretations. The course stresses the practice of rhetoric in all its forms: writing, discussion, presentation, and debate.

IDS3825 Honors Colloquium 0–4 cr**

(PQ: ACT Composite score of 27 or above [SAT score of 1280 or above or CLT score of 85 or above], 3.6 cum GPA or higher and consent of instructor) An honors topics class in which students from a variety of disciplines do individualized study centered within a common cross-cultural geographic location. Students then meet in a colloquium setting of sharing and discussing with each other the results of their study and participate in a study tour of the designated location.

Note: This course is designated as repeatable and may be repeated for up to a maximum of 4 credits.

IDS3826 Honors Project 0-1 cr

(PQ: Eagle Scholars Honors Program member; consent of instructor) Supervised venue for Eagle Scholar to complete an individualized project supplementing his or her course of study and approved by a cooperating faculty member. Twenty to twenty-five hours of study is required. **Note:** This course is designated as repeatable.

IDS3827 Honors Seminar 0 cr

A required meeting time for members of the Eagle Scholars Honors Program. **Note:** This course is designated as repeatable.

LDR1825 Honors Leadership for Transformation⁵ 4 cr

(PQ: ACT Composite score of 27 or above [SAT score of 1280 or above or CLT score of 85 or above], or high school cum GPA of 3.7 or higher, or consent of instructor) A holistic exploration of the role of spiritual formation, intercultural awareness, and vocational clarity as they relate to one's personal and professional leadership development. Students engage in a diverse and vulnerable learning community to grow in self-awareness and develop a plan for on-going growth and development. Honors students will develop a preliminary philosophy of faith and learning integration for their intended area of study. A \$50 course fee required. LDR1825 is a repeat of LDR1015.

LDR4825 Honors Leading with Courage and Calling⁵ 2 cr

(PQ: LDR1015 (or LDR1011 and LDR2112), LDR1825, or LDR3415, senior standing; and UNW cum GPA of 3.6 or higher) A synthesis of one's personal and professional readiness to lead in the home, church, community, and world. Theological perspectives on work and calling as well as practical skills in intercultural awareness further prepare students to act with courage and conviction in an increasingly diverse and globalized world. Honors students finalize a philosophy of faith and learning integration for their discipline or profession. A \$50 course fee required. LDR4825 is a repeat of LDR4425.

LIT2825 Honors Topics in Literature 2–4 cr

(PQ: ACT English or ACT English/Writing score of 27 or above [SAT Writing and Language score of 33 or above or CLT score of 85 or above], or high school cum GPA of 3.7 or higher, or consent of instructor) A study of literature in connection with a particular topic. Emphasis will be placed on independent work and critical thinking.

MDS1825 Honors Big Ideas Through the Creative Lens 2 cr

(PQ: ACT Composite score of 27 or above [SAT score of 1280 or above or CLT score of 85 or above], or high school cum GPA of 3.7 or higher, or consent of instructor) Through creative work in the arts—literature, visual arts, theatre, music, film, and dance—humans experience and communicate divergent perspectives, grapple with complex topics and emotions, and ultimately move toward a fuller understanding of what is real, what we can know, and how we should live. In this course we examine a single complex aspect of the human experience through hands-on creative experiences with the elements and processes of various art forms and the study of notable artists and works. This introductory course does not require prior artistic experience.

PHI2825 Honors Topics in Philosophy 2–4 cr

(PQ: ACT Composite score of 27 or above [SAT score of 1280 or above or CLT score of 85 or above], or high school cum GPA of 3.7 or higher, or consent of instructor) An investigation of a selected topic in philosophy for honors students. Emphasis will be placed on independent work and critical thinking.

SPE1825 Honors Public Speaking 3 cr

(PQ: ACT Composite score of 27 or above [SAT score of 1280 or above or CLT score of 85 or above], or high school cum GPA of 3.7 or higher, or consent of instructor) An introductory study and analysis of basic principles of effective communication with emphasis on public address, interpersonal and group communication. Emphasis will be placed on research and critical thinking skills. Attention will also be given to rhetorical analysis of contemporary speeches and to comparing Christian rhetoric and secular rhetoric. SPE1825 is a repeat of SPE1075.

COURSE DESCRIPTIONS

Intercultural Studies

ICS1008 Introduction to Missions **2 cr**
An introduction to biblical and philosophical principles for world missions with a view to discovering best practices for engaging in cross-cultural ministry. This course includes an emphasis on historical and contemporary issues in missions.

ICS2005 Evangelism and Discipleship **2 cr**
A study of the biblical foundation, spiritual preparation, and methods of personal evangelism and discipleship. Special topics related to outreach in a global and pluralistic society will be considered.

ICS2015 World Religions[#] **4 cr**
A survey of the beliefs and practices of the major religions of the world, including Animism, Buddhism, Confucianism, Hinduism, Judaism and Islam.

ICS2045 Cultural Anthropology[#] **4 cr**
An exploration of the field of cultural anthropology with a special emphasis on understanding culture and its impact on all aspects of society. This class guides learners to reflect on their own cultural background and to develop attitudes and skills that equip them to investigate and respond to cultural similarities and differences. The application of cultural anthropology to various contexts and fields of study is also explored. Equivalent to ANT2049 (see College of Graduate, Online, & Adult Learning catalog).

ICS3005 Human Global Migration **2 cr**
This course investigates the causes and consequences of human migration around the world. It examines various views and responses to migration from cultural, religious, and political perspectives, and provides practical ways to engage migrant communities in the United States and around the world. Special attention is given to refugees, asylum seekers, and communities impacted by forced migration.

ICS3015 Race and Ethnicity in America[#] **4 cr**
This course explores developmental, sociological, and philosophical questions of race, ethnicity, and citizenship, with special attention to the experiences of African Americans, Asian Americans, Latino Americans, and indigenous peoples of the United States. Practical implications for social justice, reconciliation, and personal well-being will also be explored.

ICS3016 Understanding Islam **2 cr**
An overview of the Muslim faith as it is practiced today. Emphasis will be on areas of conflict and agreement with Evangelical Christianity and current issues in Christian witness to Muslims

ICS3027 Global Peoples and Culture **2–3 cr**
(PQ: consent of ICS faculty) A study of peoples and cultures in global contexts with an emphasis on a particular national context. This course is normally completed in an intercultural context as part of an off-campus study experience.

ICS3065 Introduction to Teaching English as a Foreign Language^{*\$} **2–3 cr**
An introduction to the language and teaching skills that are necessary for teaching English as a foreign language. Essential skills for entry-level work as an English teacher in a foreign country or domestic nonprofit are covered in this course. A \$300 course fee required.

ICS3067 Social Justice **2 cr**
An interdisciplinary examination of social evil and social righteousness with the goal of constructing transformational responses to contemporary issues in social justice. Special topics will include ideology, power, sexism, religion, public policy, education, consumerism, and media.

ICS3068 Relief and Development^{*} **2–3 cr**
A practical and philosophical exploration of issues in domestic and international relief and development. This course explores topics such as the nature of poverty, asset-based community development, and holistic development.

ICS3069 Business as Mission^{OCE} **2 cr**
(PQ: SPE1075 or SPE1825) A practical and philosophical exploration of issues in business as mission as they relate to for-profit, nonprofit, and mission contexts. Special topics such as kingdom entrepreneurship, faith and economics, and tent-making will be explored.

ICS3107 Biblical Theology of Mission^{WCE} **2 cr**
(PQ: BIB2005 or BIB2827; BIB2008 or BIB2826; and ENG2205 or ENG2825) A biblically based study of the plan of God to be glorified among the nations, stretching from Genesis to Revelation, plus skill development in biblical theological method.

ICS3206 Intercultural Teamwork^{*} **2 cr**
An examination of the interpersonal and intrapersonal dynamics of working in international and cross-cultural environments. Special attention is given to cross-cultural conflict and leveraging the benefits of multicultural teams.

ICS3209 Urban Community Development^{\$} **2 cr**
This course prepares students to analyze rapidly changing urban contexts so that they learn how to partner with local leaders for transformational community development. Special attention is given principles of asset based community development and transformational leadership. A \$200 course fee required.

ICS4025 Culture, Change, and Worldview^{* OCE} **2 cr**
(PQ: SPE1075 or SPE1825) An examination of intercultural theories with a view to understanding similarities and differences across cultures. An emphasis on cultural change and the relationship between culture and worldview transformation is also included.

ICS4225 Intercultural Studies Research Methods **2 cr**
(PQ: ICS1008, and ENG2205 or ENG2825) An overview and practical application of intercultural studies research methodologies including demography and ethnography. Special attention is given to urban and overseas contexts.

ICS4490 ICS Internship Orientation **0–1 cr**
An orientation to the ICS internship including guided preparation for the administrative, spiritual, and ministry requirements of one's field experience. **Note:** This course is designated as repeatable.

ICS4495 ICS Internship Debriefing **0-1 cr**
(PQ: ICS4991, ICS4992, ICS4993, or ICS4994) A structured debriefing normally completed during the semester following an ICS internship experience. **Note:** This course is designated as repeatable.

ICS4990 Overseas Intercultural Studies Internship **8 cr**
(PQ: for students going on the fall missions trip. Consent of faculty supervisor and internship registration form) Application of classroom learning in cross-cultural ministry contexts. Itinerary varies annually. **Note:** See page 25 for note regarding internships.

ICS4991, 4992, 4993, 4994

Intercultural Studies Internship I, II, III, IV. 2 cr each
(PQ: consent of faculty supervisor and internship registration form) Supervised ministry experience which includes crossing of significant cultural and/or language barriers. **Note:** See page 25 for note regarding internships.

ICS5225U Culture and Worldview Transformation 2 cr

(PQ: acceptance into an accelerated graduate program) An evaluation of cultural theories as they relate to personal and organizational change. The nature, process, and challenges associated with cultural change and worldview transformation is also explored.

Interdisciplinary Studies

IDS3825 Honors Colloquium 0–4 cr**

(PQ: ACT Composite score of 27 or above [SAT score of 1280 or above or CLT score of 85 or above], 3.6 cum GPA or higher and consent of instructor) An honors topics class in which students from a variety of disciplines do individualized study centered within a common cross-cultural geographic location. Students then meet in a colloquium setting of sharing and discussing with each other the results of their study and participate in a study tour of the designated location. **Note:** This course is designated as repeatable and may be repeated for up to a maximum of 4 credits.

IDS3826 Honors Project. 0-1 cr

(PQ: Eagle Scholars Honors Program member; consent of instructor) Supervised venue for Eagle Scholar to complete an individualized project supplementing his or her course of study and approved by a cooperating faculty member. Twenty to twenty-five hours of study is required. **Note:** This course is designated as repeatable.

IDS3827 Honors Seminar 0-1 cr

A required meeting time for members of the Eagle Scholars Honors Program. **Note:** This course is designated as repeatable.

IDS3865 Professional Competency Assessment^{WCE} 1 cr

(PQ: For approved Interdisciplinary Studies majors only; ENG2205 or ENG2825. Must be taken concurrently with IDS4845.) Development of a collection of work demonstrating that major outcomes have been met.

IDS4845 Capstone Project^{OCE} 4 cr

(PQ: SPE1075 or SPE1825, and senior standing. For approved Interdisciplinary Studies majors only. Must be taken concurrently with IDS3865.) Individualized projects designed to incorporate elements of all disciplines included in the Interdisciplinary Studies major.

IDS4995 Interdisciplinary Internship. 1–4 cr

(PQ: consent of faculty supervisor and internship registration form) Supervised work experience in an interdisciplinary field. **Note:** This course is designated as repeatable. See page 25 for note regarding internships.

Journalism

Directed studies are available. See page 26–27.

Note: JOU2625–2627 and JOU4625–4627 are designated as repeatable.

JOU2625 Journalism Workshop. 0–1 cr

Practical experience in planning and producing *The Examiner*, University of Northwestern's student newspaper.

JOU3269 Publication Production 2 cr**

This course explores the skills needed to produce a printed publication. Students will also learn publication production, including typography, layout and design, desktop publishing and printing.

JOU4625 Journalism Workshop. 0–1 cr

(PQ: consent of instructor) Advanced practical experience in planning and producing *The Examiner*, University of Northwestern's student newspaper.

JOU4995 Journalism Internship. 1–4 cr

(PQ: consent of faculty supervisor and internship registration form) Supervised work experience in off-campus journalism. **Note:** See page 25 for note regarding internships.

Kinesiology

KIN1005 Sport in American Society 2 cr

Introductory course in sports studies dealing with sport and physical activity as a psychological and sociological phenomenon. Emphasis on career opportunities in fields related to sport in American society.

KIN1065 Principles of Sports Management. 2 cr

This course is designed to provide students with an overview of the field of Sports Management. The course will examine the fundamental components of sports management, including personnel issues, the development of the industry, current state, and future trends in the discipline. Students will be introduced the basic tenets and principles of sports management. Through guest speakers and site visits students will have the opportunity to see theory in practice at various events, venues, and businesses.

KIN2025 Issues and Trends in Sports 2 cr

Issues of society are reflected in sport, no matter how insulated or isolated sport may appear to be. The contemporary issues of society,

an understanding of their reflection in, their relationship to, and their influence upon sport, whether it be amateur or professional, will be examined. A special emphasis will be placed upon how issues in sport today are examined through our societal passion for social media, and how these behaviors influence consumers, fans, and sponsors.

KIN3035 Sports Marketing. 4 cr

The relevant areas of marketing are applied to sport applications for spectator and participative sport organizations. Special emphasis is placed on strategic planning, product analysis, and the development and presentation of marketing packages. It is important that sport management students understand the vital role of marketing within the sport industry. Marketing may take several forms in sport businesses. Students must be able to differentiate between use of marketing to sell sport products and/or services (marketing of sport) from the use of sport and sport personality marketing to sell general or sport-related products or services (marketing through sport).

COURSE DESCRIPTIONS

KIN3045 Sports Ethics 2 cr

This course is designed to provide students with opportunities to develop moral, ethical, biblical, and philosophical values and skills in the area of sports ethics. Through reasoning and case studies, students will explore and clarify their career goals and sharpen their critical thinking skills for analyzing ethical issues and generating possible solutions to those issues in sports management.

KIN3075 Sports Leadership 2 cr

(PQ: department chair approval) This course is designed to provide students with opportunities to develop moral and ethical values, and philosophical skills, in the area of Sports Leadership. Sports Management issues and organizational behavior are examined and students are presented with opportunities to develop and understand key leadership and management skills. Students will analyze management decisions and their impact as well as the process of how decisions are made. The course's association with a local professional coach or front office executive will provide a unique perspective into topics relating to leadership and management in the sports industry.

KIN3305 Upper Body Evaluation* 2 cr

(PQ: BIO3157 or HPE2175; and HPE3275) Evaluation and diagnosis of injuries to the chest, spine, shoulder, elbow, wrist and hand.

KIN3306 Lower Body Evaluation* 2 cr

(PQ: BIO3157 or HPE2175; and HPE3275) Evaluation and diagnosis of injuries to the pelvis, knee, quadriceps, hamstring, gastrocnemius, ankle and foot.

KIN3307 Advanced Care and Prevention of Injuries* 2 cr

(PQ: HPE3275) Methods of assessing the severity of athletic injuries and the understanding of rehabilitation programs of injured athletes. Course is also designed to acquaint the student with elements of administering an athletic training department/program.

KIN3615 Kinesiology Practicum 2 cr

(PQ: consent of instructor; kinesiology majors only) Supervised practical experience in a student's study of emphasis.

KIN4055 Sports Facility and Game Management 4 cr

This course is designed to provide students with opportunities to develop an understanding of planning, funding, and operating sporting events and the operation of the facilities in which the events take place. Topics that will be discussed include building a facility, financing a facility, operation of a facility, producing events, day-to-day operations of a facility, concessions, maintenance, franchise interaction, game night production, and the career paths to become a successful sports event and/or facility manager.

KIN4835 Kinesiology Seminar^{OCE WCE} 1 cr

(PQ: ENG2205 or ENG2825; SPE1075 or SPE1825; and senior standing) Issues, problems and career opportunities in kinesiology today.

KIN4995 Kinesiology Internship 10–14 cr

(PQ: senior standing and internship registration form) Supervised in-depth experience in a setting appropriate to the student's specialization in kinesiology. **Note:** See page 25 for note regarding internships.

Leadership

LDR1011 Spiritual and Personal Formation for Leadership[§] 2 cr

As a part of the Leadership Development Core, this course is an exploration of the role of spiritual formation, discernment, and self-awareness as they relate to one's personal and professional leadership development. Students engage in a vulnerable learning community to grow personally and spiritually. A \$25 course fee required.

LDR1015 Leadership for Transformation[§] 4 cr

A holistic exploration of the role of spiritual formation, intercultural awareness, and vocational clarity as they relate to one's personal and professional leadership development. Students engage in a diverse and vulnerable learning community to grow in self-awareness and develop a plan for on-going growth and development. A \$50 course fee required.

LDR1825 Honors Leadership for Transformation[§] 4 cr

(PQ: ACT Composite score of 27 or above [SAT score of 1280 or above or CLT score of 85 or above], or high school cum GPA of 3.7 or higher, or consent of instructor) A holistic exploration of the role of spiritual formation, intercultural awareness, and vocational clarity as they relate to one's personal and professional leadership development. Students engage in a diverse and vulnerable learning community to grow in self-awareness and develop a plan for on-going growth and development. Honors students will develop a preliminary philosophy of faith and learning integration for their intended area of study. A \$50 course fee required. LDR1825 is a repeat of LDR1015.

LDR2112 Relational and Cultural Awareness in Leadership[§] 2 cr

(PQ: LDR1011) As a part of the Leadership Development Core, this course is an exploration of the role of relational, global, and intercultural awareness in one's personal and professional leadership development. Students engage in a diverse and vulnerable learning community to grow in interpersonal and intercultural awareness. A \$25 course fee required.

LDR2625 Workshop in Leadership Development 0–2 cr

This interactive course provides an opportunity for students to explore, understand, and apply biblical leadership concepts. Emphasis will be given to the connection between spiritual formation and leadership, identifying and understanding personal leadership gifts and challenges, along with practice in applying concepts to commonly experienced leadership scenarios. **Note:** This course is intended for students who have been accepted into the Leadership Development Program (LDP), but all students are welcome.

LDR3060 Foundations of Nonprofit Leadership 2 cr

This course provides foundational understanding of the role of nonprofits in civic and global societies with special emphasis on their unique missions, ethical responsibilities, and organizational structures. Emerging trends and innovations shaping the future of nonprofit organizations are also discussed.

LDR3135 Peer Mentoring for Leadership Growth 0–1 cr

(PQ: Peer Mentor Application) Students work with a lead faculty to develop plans for serving as peer mentors for a group of 8-12 students in LDR1015. This course prepares students to lead weekly small group mentoring sessions in a section of LDR1015. **Note:** This course is designated as repeatable.

LDR3415 The Self-aware Leader[§] 0–2 cr

(PQ: Senior transfer standing [traditional undergraduate only]) A holistic reflection on the role of spiritual formation, intercultural awareness, and vocational clarity as they relate to one's personal and professional leadership development. A \$50 course fee required.

LDR4425 Leading with Courage and Calling[§] **2 cr**
(PQ: LDR1015 (or LDR1011 and LDR2112), LDR1825, or LDR3415, and senior standing) A synthesis of one's personal and professional readiness to lead in the home, church, community, and world. Theological perspectives on work and calling as well as practical skills in intercultural awareness further prepare students to act with courage and conviction in an increasingly diverse and globalized world. A \$50 course fee required.

LDR4825 Honors Leading with Courage and Calling[§] **2 cr**
(PQ: LDR1015 (or LDR1011 and LDR2112), LDR1825, or LDR3415, senior standing; and UNW cum GPA of 3.6 or higher) A synthesis of one's personal and professional readiness to lead in the home, church, community, and world. Theological perspectives on work and

calling as well as practical skills in intercultural awareness further prepare students to act with courage and conviction in an increasingly diverse and globalized world. Honors students finalize a philosophy of faith and learning integration for their discipline or profession. A \$50 course fee required. LDR4825 is a repeat of LDR4425.

LDR4991, 4992 Nonprofit Internship I, II **2 cr**
(PQ: Senior standing, MIN3216 or MIN5210U, consent of faculty supervisor and internship registration form) Supervised experience in a nonprofit context with special emphasis on the learning the missional, relational, and managerial practices of the organization. Internship requires 50 hours of supervised experience per credit. See page 25 for note regarding internships.

Linguistics

LIN2226 Introduction to Linguistics **4 cr**
(PQ: ENG1105 or ENG1825) A study of the basic concepts of language and the history of English. Includes phonetics, phonology, morphology, semantics and syntax.

LIN3841 Research **1–2 cr**
(PQ: ENG1105 or ENG1825 and consent of instructor) With the goal of presentation or publication, students work closely with a faculty member to participate in primary research on language.

LIN4425 Linguistic Research Methods **2 cr**
(PQ: ENG2205 or ENG2825, SPE1075 or SPE1825, senior standing, English major with a linguistics concentration and consent of department chairperson) A course which introduces students to methods of linguistic research to describe language both spoken and written. Students will elicit data with a variety of methods and analyze language while working with a research participant from an unfamiliar language and will conduct linguistic analyses of text. To prepare

for their own individualized research, students will also conduct background research and locate a community or research participant for fieldwork or, for written language, a text to analyze.

LIN4856 Senior Capstone: Linguistics^{DOE WCE} **2 cr**
(PQ: ENG2205 or ENG2825; LIN4425; CanIL-TWU transfer course courses LING310 and LING360 or equivalent; SPE1075 or SPE1825; senior standing; English major with a linguistics concentration; and consent of instructor) An individualized course in which students research, analyze and describe the language of a linguistic community or linguistic informant. Students will prepare a paper and a presentation on a topic such as a feature of a specific language, dialect, or accent.

LIN4996 Linguistics Internship **1–4 cr**
(PQ: consent of faculty supervisor and internship registration form) Supervised work experience in linguistics. **Note:** See page 25 for note regarding internships (professional experiences).

Literature

LIT1037 Introduction to Shakespeare^{##} **4 cr**
 A general education course designed to provide an introduction to the works of Shakespeare, his times and his culture. The course will provide a study of a selection of Shakespeare's plays and an introduction to reading and interpreting the plays. Only offered through Dual Enrollment.

LIT1100 Introduction to Literature^{##} **4 cr**
 A study of the literary genres of fiction, poetry, drama and the novel. Emphasis is placed on literary conventions and textual analysis. Equivalent to LIT1109 (see College of Graduate, Online, & Adult Learning catalog). Only offered through Dual Enrollment.

LIT1106 Popular Literature* **2 cr**
 A study of genres such as fantasy, mystery, science fiction, adventure and other best-selling fiction. Particular focus of course to be published prior to registration. **Note:** This course is designated as repeatable as long as topic covered is not duplicated.

LIT1107 Comparative Study of Major Authors* **2 cr**
 A course in which selected authors, such as C.S. Lewis and J.R.R. Tolkien, are compared and contrasted. Particular focus of course to be published prior to registration. **Note:** This course is designated as repeatable as long as topic covered is not duplicated.

LIT2045 Epic Literature **2 cr**
 A study of selected epics that have influenced western art and literature, such as Homer's *Odyssey* and *Iliad* and Dante Alighieri's *Divine Comedy* (*Inferno*, *Purgatorio*, and *Paradiso*).

LIT2105 Literary Studies **4 cr**
(PQ: ENG1105 or ENG1825, or concurrently enrolled. This course is designed for English majors: literature, writing, and literature and writing concentrations; CALE majors; literature minors; and other students interested in an intensive study of literature) A course designed for English majors which provides training and practice in the analysis of various literary forms and in the use of argument, evidence and documentation in literary essays. The course introduces literary theory while emphasizing the integration of faith, reading and writing.

LIT2117 Historically Based Literature* **2–4 cr**
 A study of literature produced during or concerning particular periods of time, such as the American Civil War, World War I, and the Holocaust. Particular focus of course to be published prior to registration. **Note:** This course is designated as repeatable as long as topic covered is not duplicated.

LIT2118 Multiethnic American Literature^{##} **4 cr**
 A study of literature from various cultures in America, such as African American, Native American, Hispanic, Asian and others. Only offered through Dual Enrollment.

LIT2119 Drama* **2 cr**
 A study of literary and theatrical aspects of a variety of plays, classical through contemporary.

COURSE DESCRIPTIONS

LIT2135 Shakespeare and Film **4 cr**
Shakespeare and Film is a study of a selection of Shakespeare's plays and of films based on or inspired by Shakespeare. The course will include recent and classic film versions and film adaptations of the plays. It will provide an introduction to reading and interpreting the plays and viewing and interpreting the films.

LIT2156 Contemporary Poetry* **2 cr**
This course will sample poetry from the 1980s to the present by authors from a broad range of racial, ethnic, and cultural backgrounds, with emphasis on understanding recent poetic movements, techniques, and approaches.

LIT2157 Contemporary Fiction* **2 cr**
This course will sample fiction from the 1990s to the present by authors from a broad range of racial, ethnic, and cultural backgrounds, with emphasis on the distinctive literary techniques and approaches these authors employ.

LIT2825 Honors Topics in Literature **2–4 cr**
(PQ: ACT English or ACT English/Writing score of 27 or above [SAT Writing and Language score of 33 or above or CLT score of 85 or above], or high school cum GPA of 3.7 or higher, or consent of instructor) A study of literature in connection with a particular topic. Emphasis will be placed on independent work and critical thinking.

LIT3136 Shakespeare **2 cr**
(PQ: ENG2205 or ENG2825, or concurrently enrolled) Reading, analysis and discussion of selected Shakespearean plays.

LIT3145 Contemporary World Literature **2 cr**
(PQ: ENG2205 or ENG2825, or concurrently enrolled) An investigation of selected works of contemporary non-Western authors, specifically non-American and non-British authors.

LIT3215 Studies in the Novel* **4 cr**
(PQ: ENG2205 or ENG2825, or concurrently enrolled) Reading and analysis of selected novels. Course content may revolve around a theme, a literary period, literature of a selected region, etc. Topic of course will be announced prior to registration.

LIT3221 American Literature I* **4 cr**
(PQ: ENG2205 or ENG2825, or concurrently enrolled) Reading, analysis, and discussion of selected American prose and poetry, by authors of diverse background and experience, from the colonial era to 1865.

LIT3222 American Literature II* **4 cr**
(PQ: ENG2205 or ENG2825, or concurrently enrolled) Reading, analysis, and discussion of selected American prose and poetry, by authors of diverse background and experience, from 1865 to the present.

LIT3231 British Literature I* **4 cr**
(PQ: ENG2205 or ENG2825, or concurrently enrolled) Reading, analysis and discussion of selected British prose and poetry through the eighteenth century.

LIT3232 British Literature II* **4 cr**
(PQ: ENG2205 or ENG2825, or concurrently enrolled) Reading, analysis and discussion of selected British prose and poetry from the nineteenth and twentieth centuries.

LIT3255 Young Adult Literature **2 cr**
(PQ: ENG2205 or ENG2825, or concurrently enrolled) This course provides an introduction to contemporary literature for young adults. Extensive reading of young adult literature and critical analysis of its diverse themes are included.

LIT4835 Seminar in Literature Topics** **4 cr**
(PQ: ENG2205 or ENG2825, or concurrently enrolled) Intensive study in one or more literary genres, periods, authors, countries, or issues.

LIT4841 Research **1–2 cr**
(PQ: consent of instructor) Students interact professionally with previously written texts, textual sources, and/or historical artifacts while working with a faculty member.

LIT4859 Senior Capstone: Literature^{OCE} **2 cr**
(PQ: ENG2205 or ENG2825; LTH4155; SPE1075 or SPE1825; senior standing; English major with a literature or literature and writing concentration; and consent of instructor) An individualized course in which students research and write about a literary topic of their choice and prepare for postgraduate options.

LIT4995 Literature Internship **1–2 cr**
(PQ: consent of faculty supervisor and internship registration form) An internship in which students interact professionally with previously written texts, textual sources, and/or historical artifacts. **Note:** See page 25 for note regarding internships.

LTH4155 Literary Theory* ^{WCE} **2 cr**
(PQ: ENG2205 or ENG2825, and junior or senior standing, or consent of instructor) This course is an introduction to literary theory and criticism. It offers students an opportunity to study various critical approaches to literature.

Management

MGT2271 Management **4 cr**
An introductory course covering the basic theory and practice of management, including planning, organizing, controlling, motivating and leading. Case analyses and presentations are required.

MGT3075 Entrepreneurship **2 cr**
An introductory study of how to start a small business. Students examine their readiness to start a business, survey the legal issues facing a start-up and examine the various approaches to business formation. Students apply the topics of marketing research and marketing mix, finance, and operations to the formulation of a comprehensive business plan, market and finance assessment.

MGT3255 Human Resource Management **2 cr**
An introduction to Human Resources (HR) as a vital function of an organization. Building to topics introduced in the Management course, students will investigate how the HR function can assist managers in enhancing the performance of their functional areas. Major topics include the changing nature of HR management, HR planning, organizational development, employee recruitment selection & retention, legal issues, employee training, appraisal, pay & benefits, motivation and change implementation.

MGT3272 Management II** **4 cr**
(PQ: C or better in MGT2271) An intermediate-level course which covers key management theories and practices in more depth and breadth than MGT2271; e.g., teaming, empowering, partnering, etc. Case analyses and presentations and a comprehensive research paper are required.

MGT3275 Small Business Management **2 cr**
(PQ: ACC2101, MGT2271, MKT1085, and FIN3222 [or concurrently enrolled] [C or better required in all]) A study of specific managerial concerns in a small or start-up business. Students learn the value of small business in the U.S., the attributes of a successful manager in such organizations and the legal aspects of establishing & running a business. The functional areas of business, including marketing, operations, facilities, accounting and human resources are explored. The course requires students to develop operational systems in order to process data, providing critical information for problem-identification and solving. This is a hands-on, application class.

MGT3276 Operations Management **2 cr**
(PQ: ACC2101, MGT2271, and FIN3222 [or concurrently enrolled] [C or better in all]) All businesses require some form of operations to deliver a product or service to a customer. For most companies, operations is a complex network of complex processes and systems. This course studies the key operations, including product design, environmental design, facility management, management systems, payroll, HR, finance and marketing. Students will build operational systems to manage a particular area of an operation, identify problems, and determine strategy for improved performance in the area of operation. This class is an application-based class that draws on content from management, finance, and accounting courses.

MGT3375 Operations Continuous Improvement** **2 cr**
(PQ: C or better in MGT3276) Continuous improvement in Operations is essential for a firm to remain competitive in a global economy. This course covers Lean Operations operations as exemplified by the Toyota Production System, Statistical Quality Control (including 6 Sigma) and quality improvement. Field trips to local companies are part of the course.

MGT3376 Supply Chain Management **2 cr**
 This course provides basic definitions and concepts for planning and controlling the flow of materials into, through and out of an

organization. It explains fundamental relationships among the activities that occur in the supply chain from suppliers to customers. In addition, the course addresses types of manufacturing systems, forecasting, master planning, material requirements planning, capacity management, production activity control, purchasing, inventory management, distribution, quality management and Just-in-Time manufacturing.

MGT4245 Business Strategy **2 cr**
(PQ: ACC2102, BUS2011, and MGT2271 [C or better required in all]; and senior standing) This course introduces students to the Strategic Management Process and its application to business cases. Readings in contemporary publications understanding of the strategic challenges facing businesses. Teamwork and quantitative analysis are emphasized. Guest speakers and field trips reinforce the topics covered.

MGT4267 Project Management **2 cr**
 An introductory course in project management that presents methods for planning and scheduling a project in use of tools such as task sequencing, GANTT chart, Critical Path Method (CPM), Program Evaluation and Review Technique (PERT) and software to monitor and control projects. Lecture also includes discussions of key elements of successful team, finance, and operations management. This class focuses on both lecture and practical application.

MGT4855 Corporate Strategies and Policies **4 cr**
(PQ: ACC2102, BUS2011, and MGT2271 [C or better required in all]; and senior standing) This is the senior capstone course. Students gain knowledge of the Strategic Management Process through readings and case analysis. Greater business and strategic understanding is then developed with readings in contemporary publications and application to cases. Teamwork, quantitative analysis, current business news and strategic communication are emphasized. Guest speakers and field trips reinforce the topics covered.

Management Information Systems

MIS2062 Database Management I* **4 cr**
 This course presents the fundamental concepts of databases and the general architectures used in modern databases. The ideas of database design are presented along with topics such as database access, indexing, reports and queries. The student will be exposed to one of the current database management systems. An actual database application using the programmability of the DBMS is created as part of this course.

MIS3185 Server Administration* **4 cr**
(PQ: COS2112) This course provides the student with knowledge and exposure for managing network servers. Students will administrate file servers and web servers as well as build virtual machines (VMs).

MIS3362 Database Management II** **2 cr**
(PQ: MIS2062) This course focuses on database system structures, structured query language (SQL) and distributed databases. Topics include: Report Generation, Data Analysis Using Multiple Constraints,

Data Recovery and Transfer, Maintenance of Data Consistency and Integrity and Database clusters.

MIS3368 Applications Development Tools and Techniques** **4 cr**
(PQ: CYS3065 and MIS2062, or consent of instructor) This course builds upon the analysis, design and programming skills previously mastered and utilizes a modern application development tool to introduce the student to the realm of applications development. Students learn the issues surrounding the applications development process and reinforce those concepts by creating a working application.

MIS3382 Data Communications II** **2 cr**
(PQ: CYS2081) This course is designed to introduce students to local area network hardware switch and router installation and configuration. The course is designed around OSI 7-layer Reference model and introduces the student to layer-2 switching, VLANs, Access Control Lists, IGRP and routing protocols.

Marketing

MKT1085 Principles of Marketing# **4 cr**
 The structure, function and behavior of marketing systems are discussed. Emphasis is placed on the impact of social and economics environment and on the process of the decision-making aspect of marketing.

MKT3165 Digital Marketing **4 cr**
 This course focuses on the application of marketing principles to E-Commerce including B2B, B2C, the use of Social Media and how they provide business with a global outreach. Additional topics include: Internet Security, Social, Ethical and Political issues. It is a hands-on course. Students will work individually and in groups.

COURSE DESCRIPTIONS

MKT3186 Consumer Behavior **4 cr**
 (PQ: MKT1085 and BUS2011 [C or better required in both]) This course acquaints the student with the basic dynamics of consumer behavior and analytical techniques used in marketing to study consumer behavior. Consumer behavior examines influences upon consumer decision-making while marketing research relates to methods used to explore, examine and evaluate existing market opportunities.

MKT3188 Advertising and Promotion **4 cr**
 (PQ: C or better in MKT1085; and SPE1075 or SPE1825) Analysis of the role of advertising and sales promotion in marketing. Subject areas treated include advertising strategy, agencies, media and consumer motivation.

MKT3189 International Marketing** **4 cr**
 (PQ: C or better in MKT1085) Management problems, techniques and strategies necessary to incorporate the marketing concept into a world market place. Particular attention is paid to environmental and cultural variables as they affect marketing procedure.

MKT4995 Marketing Internship **1 cr**
 (PQ: BUS3835, consent of faculty supervisor, and internship registration form) Supervised work experience related to student's major. Students may enroll for this course at various times as their schedules permit. **Note:** This course is designated as repeatable and may be repeated three times after the original taking of the course. See page 25 for note regarding internships.

Mathematics

MAT1005 Mathematics for the Liberal Arts# **4 cr**
 A course designed for non-mathematics majors to spark interest in everyday mathematics and develop the mathematics needed to thrive in society. Contemporary topics may be chosen from mathematical fields such as: voting theory, apportionment, fair division, graph theory, scheduling, sequences, geometry, growth models, personal finance, probability, statistics, fractals, and cryptography. Equivalent to MAT1009 (see College of Graduate, Online, & Adult Learning catalog).

MAT1005L Mathematics for the Liberal Arts Lab **1 cr**
 (Required of students with ACT Math score of 17 or below [SAT Math score of 470 or below or CLT Quantitative Reasoning score of 19 or below] or high school cum GPA of 2.66 or below. To be taken concurrently with MAT1005.) Math skill building in areas including, but not limited to fractions, decimals, percentages, and ratio and proportion. This lab course supports students in MAT1005 Mathematics for the Liberal Arts.

MAT1006 Mathematics for Elementary School Teachers **4 cr**
 A course designed for elementary education majors to expose students to the mathematics they will need in teaching elementary school mathematics. Topics include problem solving, number theory, real numbers, geometry, probability, statistics, algebra, sets and mathematics of finance, fractions, decimals and numeration systems.

MAT1035 Business Mathematics# **4 cr**
 This course will cover topics and skills essential for success in business, accounting, and finance courses. Mathematical topics will include developing mathematical models, general quantitative and proportional and statistical reasoning, interpreting operations with real numbers, solving equations and systems of equations, graphing, functions, and the mathematics of finance. Emphasis on applying mathematical concepts and appropriate technology related to realistic examples from the business world.

MAT1035L Business Mathematics Lab **1 cr**
 (Required of students with ACT Math score of 17 or below [SAT Math score of 470 or below or CLT Quantitative Reasoning score of 19 or below] or high school cum GPA of 2.66 or below. To be taken concurrently with MAT1035.) Math skill building in areas including, but not limited to fractions, decimals, percentages, and ratio and proportion. This lab course supports students in MAT1035 Business Mathematics.

MAT1085 Mathematics for Science Application **4 cr**
 This course will cover topics and skills essential for success in biology, chemistry, algebra-based physics and nursing courses via practical applications encountered in university coursework in the sciences. Topics will include exponential and logarithmic functions (for exponential population growth and radioactive decay), general quantitative and proportional reasoning (for chemical stoichiometry and medical dosages), approximation techniques and elementary probability and statistics.

MAT1126 Precalculus## **4 cr**
 (PQ: two years of high school algebra or ACT Math score of 24–27 [SAT Math score of 580–630]; see guidelines according to major on page 47) A preparatory course intended for students who will take MAT2121. Topics include limits, functions (exponential, logarithmic, trigonometric), conic sections, polar coordinates and other topics in analytical geometry. Only offered through Dual Enrollment.

MAT2005 Problem Solving **2 cr**
 An introduction to mathematics and mathematics problem solving, including problem selection, problem solving strategies, the problem solving process and contemporary applications of mathematics. Some emphasis on the importance of good oral and written communication skills and teamwork.

MAT2025 Calculus with Applications** **4 cr**
 (PQ: minimum ACT Math score of 24 [SAT Math score of 580]) A non-theoretical development of the limit, derivative and integral concepts. Multivariable calculus and vectors. Emphasis on applications to biology, business and other disciplines.

MAT2035 Quantitative Analysis# **4 cr**
 (PQ: C- or better in any college-level mathematics course or ACT Math score of 21 or above [SAT 530 or above]) An introductory course covering topics in mathematics necessary for success in the business world. Topics include the mathematics of finance, linear programming, Bayes's Theorem, expected value, matrices and game theory. Mathematical modeling is used to determine solutions for business problems.

MAT2055 Statistics# **4 cr**
 (PQ: minimum ACT Math score of 18 [SAT Math score of 470], or C- or better in any college-level mathematics course, or high school cum GPA of 2.67 or higher, or successful completion of MAT1005L or MAT1035L, or achieve passing score on mathematics placement exam) Descriptive and inferential statistics include methods for describing data, binomial and normal probability distributions, tests of hypotheses, simple linear regression, analysis of variance, nonparametric techniques, two-sample testing and contingency tables.

MAT2075 History of Mathematics 2 cr

A course designed for mathematics teachers and others wanting to broaden their mathematical background; a brief synopsis of the history of mathematics from its earliest days to the present. Focus on topics related to elementary, middle and high school mathematics. An examination of key ideas, processes and topics in mathematics that share common historical roots, which may include: numeration systems, trigonometry, solving equations, geometric perspectives, statistics, logic and infinity.

MAT2121 Calculus and Analytic Geometry I# 4 cr

(PQ: B- or better in MAT1126, or ACT Math score of 28 or above [SAT Math score of 660 or above] or achieve passing score on mathematics placement exam) The study of functions, limits, derivatives and applications of derivatives such as maxima/minima and related rates.

MAT2122 Calculus and Analytic Geometry II# 4 cr

(PQ: C- or better in MAT2121) Continued study of calculus to include antiderivatives, integration techniques, applications of definite integrals such as volumes of revolution, polar coordinates, series, sequences and power series.

MAT2221 Foundations of Mathematics I 2 cr

(PQ: C- or better in MAT2121) Introductory treatment of the foundations of the mathematics and the concepts that are basic to mathematical knowledge. Development of the logical structure of mathematics including propositions, predicates and truth tables and the rules of logic. A formal development of set theory including set operations, permutations, combinations, Pascal's triangle and partitions.

MAT2222 Foundations of Mathematics II 2 cr

(PQ: MAT2221, or concurrently enrolled) Continued treatment of the foundations of the mathematics and the concepts that are basic to mathematical knowledge. In-depth analysis of axiomatic systems and proof techniques including: direct proof, proof by contradiction, existence proofs and mathematical induction. A formal development of relations including equivalence classes, partial orders and functions. A study of the concepts of infinity and countability.

MAT3211 Linear and Abstract Algebra 4 cr

(PQ: C- or better in MAT2222) Fundamental concepts from linear algebra, including: systems of linear equations, the algebra of matrices, linear transformations, eigenvalues and determinants. Fundamental concepts from abstract algebra, including: group theory, ring theory, field theory, equivalence relations, isomorphisms and homomorphisms. Fundamental structures such as congruences, number systems, polynomials, permutations and symmetry groups.

MAT3223 Calculus and Analytic Geometry III 4 cr

(PQ: C- or better in MAT2122) Multivariate Calculus, including vectors in the plane and in space, functions of 2 and 3 variables, partial differentiation, double and triple integration in Cartesian, cylindrical and spherical coordinates. An introduction to differential equations.

MAT3225 Discrete Mathematics 2 cr

(PQ: C- or better in MAT2055 or MAT2121) An overview of the mathematics of discrete processes. Topics include graphs, trees, linear programming, recursion and algorithm analysis.

MAT3226 Applications of Digital Logic 2 cr

An overview of the mathematics of the discrete processes of computers. Topics include the fundamentals of logic, Boolean algebra, formal grammars and automaton.

MAT3245 Geometry 4 cr

(PQ: C- or better in MAT2121) The study of Euclidean and non-Euclidean geometry from axiomatic, synthetic, analytic and

transformational approaches with emphases on modeling, inductive and deductive reasoning and proof techniques.

MAT3252 Calculus-based Statistics 4 cr

(PQ: C- or better in MAT2122 or consent of instructor) Descriptive and inferential statistics with applications in business, science, engineering and the computing sciences. Topics include random sampling, estimation, hypothesis testing, linear regression, analysis of variance and the use of computer packages to aid in statistical analysis. Calculus is used.

MAT3255 Advanced Concepts of Middle School**Mathematics (Grades 5–8) 4 cr**

(PQ: completion of at least 3 MAT courses at the 2000 level or above) An in-depth, college-level study of the foundational structure underlying the major mathematical concepts taught in the middle grades. Content strands include number and operations, patterns and algebra, geometry and measurement and data analysis and probability. Includes emphasis on key transitions in mathematical thinking and connection of middle level concepts to college math course content.

MAT3257 Statistics for Data Analysis 4 cr

(PQ: C- or better in MAT2055 or MAT3252 or consent of instructor) A course designed to explore statistical methods for data analysis using contemporary data analysis tools. Topics include planning statistical procedures for data analysis, statistical research design principles, planning data files for analysis, using computer software for data analysis, extended study of analysis of variance (ANOVA), completely randomized designs, factorial designs, randomized block designs, split-plot designs, crossover and repeated measure designs, and response surface designs.

MAT3265 Advanced Concepts of High School**Mathematics (Grades 9–12)* 4 cr**

(PQ: completion of at least 5 MAT courses at the 2000 level or above) A study of foundational secondary level mathematics concepts from an advanced, college-level perspective. Content strands include number system structures, functions and equations, integers and polynomials, congruence and symmetry, area and volume, trigonometry, data analysis and probability and discrete math topics. Includes emphasis on extensions and generalizations, applications, problem solving and connection of secondary level concepts to college math course content.

MAT3335 Differential Equations with Applied Linear Algebra 4 cr

(PQ: C- or better in MAT3211 or MAT3223) Techniques for solving systems of linear equations and first, second, and higher order ordinary differential equations, including the method of the Laplace transformation. The algebra of matrices, linear transformations, determinants, vector spaces, characteristic equations, eigenvalues, eigenvectors, and applications in the physical sciences and engineering are included.

MAT3835 Career Competencies Seminar 1 cr

(PQ: minimum of junior standing) Orientation and preparation for an academic internship. To be completed the semester immediately prior to enrolling in the internship course offered by the academic department.

MAT4337 Mathematical Models and Applications* 4 cr

(PQ: C- or better in MAT2055, MAT3225, or MAT3226) A survey course in choosing mathematical models and computer simulations to help explain and predict real-world phenomena. Mathematical models related to linear programming, integer programming, Markov chains, game theory, social choice theory, dynamic systems and chaos theory will be explored. Particular problems in the social, life, physical and management sciences are discussed, with models being developed as needed.

COURSE DESCRIPTIONS

MAT4845 Senior Project^{OCE WCE} 2 cr
 (PQ: ENG2205 or ENG2825, SPE1075 or SPE1825, and senior standing) A capstone experience for mathematics majors in their senior year. This will provide an overview of all mathematics with attention to its history and philosophy. Each student does an in-depth, guided project, culminating in both a written report and an oral presentation.

MAT4995 Mathematics Internship 1–4 cr
 (PQ: MAT3835 and consent of faculty supervisor and internship registration form) Supervised work experience in mathematics.
Note: See page 25 for note regarding internships.

Media Production Directed studies are available. See page 26–27.

Note: MEP2625–2627 and MEP4625–4627 are designated as repeatable.

MEP1012 Audio Production 3 cr
 This course introduces students to the world of Audio Production. Students will examine the history, theory and practice of audio production plus investigate the unique properties of the medium. In addition to providing extensive hands-on experience through production exercises and projects, the course places considerable emphasis on aesthetic analysis of audio products through a series of “critical listening” exercises. The concept of sound design for radio, TV, film and animation is applied to the various productions. Students will see how the power of sound can influence audiences and shape their mood and emotion.

MEP2625 Radio & Podcasting Productions 0–1 cr
 Laboratory experience in radio through the student radio station. Students choose from various radio departments, including programming, music, community outreach, technical support, news/sports and production. **Note:** This course is designated as repeatable.

MEP1013 Video Production 4 cr
 This course introduces students to the world of video production. Students will examine the history, theory and practice of video production plus investigate the unique properties of the medium. In addition to providing extensive hands-on experience through production exercises and projects, the course places considerable emphasis on aesthetic analysis of video products through a series of “critical viewing” exercises.

MEP2626 Five16 Film Productions 0–1 cr
 This course provides students with hands-on experience and training in writing, directing, producing and editing different types of video productions. Students will be working in crews (teams) in bringing a project from conception to completion. **Note:** This course is designated as repeatable.

MEP1016 Story Structure 4 cr
 An examination of communication in the electronic media through the analysis and development of script structure and narrative story elements. Subjects include storyboarding, acts, scenes, premises, plots, characters, action, motifs, etc. Students write critical analyses of professional scripts and productions and author their own treatments.

MEP2627 News & Documentary Productions. 0–1 cr
 Laboratory experience in the production of television news. News & Documentary Productions is a news program produced for distribution over the local cable television system. Students are involved in all aspects of the production. **Note:** This course is designated as repeatable.

MEP2036 Multi-Camera Production* 3 cr
 An overview of multi-camera studio production techniques. Students learn how to produce, direct, run graphics, operate camera, supervise scripts, engineer audio and manage personnel in a studio production.

MEP3035 Non-Fiction: Documentary & News 3 cr
 This course focuses on the planning and creation of nonfiction video storytelling projects. This includes documentaries, news packages, and various corporate-oriented productions. Students will learn the nonfiction method of writing, directing, interviewing, and post-production editing and sound design and then produce their own stories and projects.

MEP2055 Media History 2 cr
 A study of significant historical contributions to radio, TV, film, or other media focusing on a particular aspect such as genre, influential leaders, content creators, historical era, or international movement. All works of media history will be examined for their form, intent, purpose, reflective nature, and production design. Specific focus of the course will be published prior to registration. **Note:** This course is designated as repeatable and may be repeated one time after the original taking of the course.

MEP3045 Directing the Actor 3 cr
 The class provides students with the study of techniques, approaches, and hands-on experience in directing actors in film.

MEP3056 Web Content Strategy* 2 cr
 This course examines the theory and practice of planning for effective web content creation, delivery and governance. Concepts explored include information architecture, usability, content project planning and management and search engine optimization.

MEP2115 Broadcast Tech 2 cr
 (PQ: MEP1012, MEP1013, or consent of instructor) An introduction to the technical equipment used in television and radio broadcasting. Students will learn the basic electronic components of a television and radio facility, how to troubleshoot problems with equipment, set up a studio for broadcast, clean and maintain audio and video equipment and trace the signal flow through studio equipment.

MEP3115 Scriptwriting 4 cr
 (PQ: MEP1016) A study of the distinctive characteristics of scripts written for radio, television and film. Special attention will be given to the three-act structure, character delineation and motivation, conflict development and pacing, dialogue and subtext and unifying message. Students gain extensive experience through writing a treatment for a short film or television screenplay.

MEP3117 Media Business 4 cr
 An overview examination of the multi-faceted business aspects of the media industry with a particular focus on radio, TV, film, and the music industry. Students learn organizational structure, financial economic elements, audience measurement tools, marketing, promotions and advertising, and other programming and production concepts relating to the operation of electronic media.

MEP3125 Advanced Audio Production 4 cr
(PQ: MEP1012) This course will give advanced instruction and practice in the techniques of audio production. Students will complete hands-on assignments and develop a stronger working knowledge of what it means to produce excellent audio.

MEP3126 Brand Production Strategies 3 cr
An examination of communication techniques and strategies used to create effective audio and video commercial brand messages. The class will explore strategies for radio station branding & imaging plus develop and produce video creative branding campaigns for other products and services. Students will experience the power of audience-oriented strategic branding and the role storytelling plays in production process. The course shows how branding moves beyond simply focusing on attributes and benefits. (When feasible, the class will often collaborate with classes in the Public Relations and Marketing majors.)

MEP3135 Single Camera Production 3 cr
(PQ: MEP1013) In this course you will receive advanced instruction and practice in the art and craft of single camera production and narrative storytelling. You will produce two exercises and one short film, bringing the projects through preproduction, production and postproduction.

MEP3137 Post-Production 4 cr
(PQ: MEP1013 or consent of instructor) An intensive course in post-production techniques applied in Adobe Premiere Pro. Editing theory and practice are integrated components of this course that broadly covers four areas: Editing aesthetics, Editing techniques, compositing and effects and finishing techniques.

MEP3139 Cinematography and Lighting 2 cr
(PQ: MEP1013) This course explores the aesthetics of cinematography and the execution of these ideas and principles. Subjects include: composition, exposure, strategy, filters, lighting, camera movement, operation and power distribution. The class will be divided into lecture, screenings and on set and in-studio lighting and shooting (UNW studio and *Lights On* in Minneapolis).

MEP3615 Media Production Practicum 1–2 cr
(PQ: consent of faculty supervisor and internship registration form) Course allows students to gain hands-on experience in on-campus operations, based on student interest and career objectives in media production. In addition to the hands-on experience, students produce an 8- to 10-page portfolio which includes a description of the media

production experience and skills they gained and an analysis of the day-to-day opportunities and problem-solving aspects of working in a professional environment. **Note:** This course is designated as repeatable for up to 4 total credits (of which only 2 credits can be applied to the selectives required in the major).

MEP4125 Sound Design. 3 cr
(PQ: MEP1012) The art of sound conveys mood and emotion. It delivers ideas, sensations and story information. It can powerfully enhance the visual experience or completely destroy the aesthetic narrative with a misplaced sound effect or illogical music score. Students will build on their non-linear editing skills while focusing on their analytical and critical listening skills. Students will work with film, animation and audio productions to develop audio communication concepts, sonic environments and aural experiences.

MEP4625 Radio & Podcasting Productions 0–1 cr
(PQ: MEP2625; open to seniors and station executive staff only) Advanced laboratory experience in radio station management through the student radio station. Students serve as executive staff. **Note:** This course is designated as repeatable.

MEP4626 Five16 Film Productions 0–1 cr
(PQ: MEP2626) This course provides advanced students with hands-on experience and training in writing, directing, producing and editing different types of video productions. Students will be helping to lead crews in bringing a project from conception to completion. **Note:** This course is designated as repeatable.

MEP4627 News & Documentary Productions. 0–1 cr
(PQ: MEP2627) Advanced laboratory experience in the production of television news. The News & Documentary Productions is a news program produced for distribution over the local cable television system. Students are involved in all aspects of the production. **Note:** This course is designated as repeatable.

MEP4855 Senior Capstone. 3 cr
(PQ: senior standing) A capstone experience for Media Production students in their senior year. An original, individual project is planned and completed during the semester.

MEP4995 Media Production Internship. 1–4 cr
(PQ: consent of faculty supervisor and internship registration form) Supervised work experience within a company that offers media creation related tasks. **Note:** See page 25 for note regarding internships.

Ministry

MIN1007 Ministry Foundations[◊] 4 cr
This course addresses theological, philosophical, and historic foundations for Christian ministry. Students will be introduced to various fields of ministry, explore giftedness and call, discover the purpose of the church, and wrestle with cultural implications for ministry practice. The student will connect with a local ministry and begin to formulate a personal theology and philosophy of ministry during the context of this course.

MIN1641, 1642, 1643, 1644 Christian Service I, II, III, IV 1 cr each
(PQ: consent of faculty supervisor and internship registration form) Practical experience in a local church or Christian organization. Designed to encourage student involvement in Christian service. Each credit requires ministry involvement totaling at least 50 hours per credit.

MIN2016 Biblical Interpretation for Study[◊] 2 cr
An introduction to biblical interpretation and application as a foundational tool for equipping students to grow spiritually, teach faithfully, and lead effectively in the Christian community. Special emphasis will be given to helping others learn how to study the Bible.

MIN2045 Christian Formation for Ministry Practice[◊] 2 cr
(PQ: Christian Ministries majors and minors) This course explores Christian formation by examining the biblical text, historic Christian spiritual practices, theories of faith formation, and contemporary Christian formation texts. This course addresses balancing personal growth and ministry practice alongside discipleship, intellectual engagement, and practical application.

COURSE DESCRIPTIONS

MIN3045 Developmental Foundations for Ministry^{WCE} ◊ 4 cr
 (PQ: ENG2205 or ENG2825, and sophomore standing) This course provides an overview of theories related to educational psychology and human development across the lifespan. Specific application to ministry contexts in the local church and other ministry-based agencies is examined. Students complete research-based projects in their area of ministry interest.

MIN3065 Digital Ministry 2 cr
 This course explores the use of technology in diverse ministry settings including the local church, missions, and nonprofit organizations with the goal of helping students articulate thoughtful and practical perspectives on digital ministry. Special topics will be considered such as social media usage, podcasting, and live-streaming.

MIN3075 Church Planting 2 cr
 This course explores the biblical imperatives for church multiplication and equips students with practical skills to build a team and develop contextually appropriate strategies for planting new churches. Special topics will be considered such as multi-ethnic church planting, multi-site churches, and church revitalization.

MIN3105 Leading in Pastoral Ministry* 2 cr
 (PQ: MIN1007) This course examines a biblical foundation and a practical understanding of the shepherding and overseer roles of the pastor in local church ministries. Special attention is given to church governance, ministerial ethics, discipline, staff leadership, ceremonies, and the ordinances. Pastoral self-care including family well-being is also considered.

MIN3107 Spiritual Lives of Children 2 cr
 This course overviews the biblical, philosophical, theological, and theoretical foundations for ministry with children and families. Attention is given to both internal and external influences on children and the impact of their moral and spiritual formation. The importance of children learning and growing in the context of their family will be emphasized.

MIN3205 Human Sexuality 4 cr
 This course will examine biblical and theological foundations, as well as social science research, for human sexuality. A holistic view of human sexuality will be explored through the examination of sociological, biological, psychological and spiritual aspects of human nature and behavior. Biblical principles are discovered and applied to the development of individual sexual values and sexual discipline. The role of the church in supporting healthy sexuality will be considered.

MIN3206 Relationships[◊] 4 cr
 (PQ: sophomore standing) This course will examine biblical and theological foundations, social science research and relationship models for healthy relationships. Focus will be given to the process of relationships: identity formation, friendship, dating, courtship, engagement and marriage. Additional issues including singleness, intimacy, forgiveness, gender issues, communication skills, conflict resolution, relational integrity, cultural awareness and financial planning will be addressed. Research projects and other assignments will include exegetical work in relevant scriptural passages.

MIN3207 Ministry in a Globalized World[◊] 2 cr
 This course prepares students to understand the impact of globalization on present day ministry. Students will be equipped to investigate diverse social and cultural contexts and develop strategies to minister effectively in an era of cultural, religious, and ethical diversity.

MIN3216 Leadership in Ministry[◊] 4 cr
 A study of the principles and practices of leadership in local church, nonprofit, and mission contexts. This course includes a study of biblical

principles for leadership, leadership self-awareness, leadership styles, team dynamics, culture and leadership, and conflict management. Special attention is given to developing strategic initiatives informed by one's organizational mission and vision. A \$40 course fee required.

MIN3218 Teaching Methods in Ministry^{OCE} ◊ 4 cr
 (PQ: C- or better in MIN1007 and MIN2016 or BIA1015/1827; SPE1075 or SPE1825) A theoretical and practical approach to giving students experience in the development and practice- teaching of biblical lessons. The course will address contemporary methods, scope and sequence and curriculum analysis and evaluation, with special attention to the effect of gender and culture on the teaching/ learning process.

MIN3226 Family Studies* 2 cr
 This course examines the family as a social/cultural unit with emphasis on parental interaction with the developing child. Family structure and dynamics from the perspective of theology and family science theory will be studied. Focus will be on multidisciplinary theories of the family dynamics across the life span. Consideration will be given to biblical and theological foundations, societal influences, parenting, family structure, family worship, family stress & coping and domestic violence. Strategies for establishing positive and collaborative relationships among families, teachers, care-givers, and education systems are addressed. Students write summaries of current professional articles using APA style.

MIN3227 Retreats, Events, and Camps*[◊] 2 cr
 This course gives consideration to biblical, theological, philosophical, and historical foundations of retreats, events, and camps in light of Christian spiritual growth and formation. Principles related to organizational responsibilities and operational aspects of Christian ministry are also addressed. There is an emphasis on the role of retreats, events, and camps in ministry contexts. A \$95 course fee required.

MIN3231 Care and Counseling in Ministry[◊] 4 cr
 This course provides a foundation and overview of counseling techniques, practices, and typical counseling situations which are faced in both church and parachurch ministry settings. Emphasis is placed on methods and techniques for effectively counseling people in crisis from all age groups. Guidance is given in the counseling of lay leadership, families in crisis, and the handling of abuse cases. Consideration is given to the legal, ethical, and practical implications of Christian counseling. A \$100 course fee required.

MIN3308 Leading Children and Families 2 cr
 A study of the establishment, development and evaluation of children and family ministry. Emphasis will be on practical methods of ministry, leadership, recruitment and training. Learning experiences and curriculum development will focus on integrating spiritual, cognitive, social, emotional, physical and creative domains for the emerging development of the child. Emphasis will be placed on helping congregations become communities that support families and nurture faith of the families.

MIN4306 Preaching and Worship* 4 cr
 (PQ: BIA1015 or BIA1827 or MIN2016) This course prepares students to faithfully preach the Word of God in partnership with the Holy Spirit. Special emphasis is given to the role of preaching in worship and to general principles for leading worship. Students will deliver two sermons in this course.

MIN4405 Contemporary Issues in Preaching* 2 cr
 (PQ: MIN4306) An advanced preaching course designed to help students understand contemporary issues in preaching including the integration of technology. Students practice using contemporary methodologies.

MIN4845 Research Seminar **2 cr**
(PQ: senior standing and MIN3045 or MIN5045U, MIN3216 or MIN5210U, and MIN4991) This course includes both theological and empirical research aiming to introduce students to basic methods of Christian ministry and social science research. Use of observation, interview, and evaluation with an emphasis on the development of critical thinking skills and writing are included. The course is designed to help students gain a fuller understanding of church and parachurch ministries in their socio-cultural settings, enable them to develop more relevant and effective ministries, and prepare students for additional further study. A major research project and paper are included in the course.

MIN4855 Capstone^o **2 cr**
(PQ: senior standing and MIN3045 or MIN5045U, MIN3216 or MIN5210U, and MIN4991) During the final semester, in conjunction with an internship or otherwise involved in a ministry setting, students will discuss and evaluate their ministry preparedness, areas of gifting, and calling. Students will revisit and revise the personal theology and philosophy of ministry created during the Ministry Foundations course and complete a ministry portfolio to prepare and guide them in future ministry.

MIN4991, 4992 Ministry Internship I, II^o **2 cr each**
(PQ: senior standing, MIN3216 or MIN5210U, consent of faculty supervisor and internship registration form) Supervised experience in ministry locally or abroad which focuses upon leadership and counseling. Internship requires 50 hours of ministry per credit.
Note: See page 25 for note regarding internships.

MIN5045U Human Development for Ministry **4 cr**
(PQ: acceptance into an accelerated graduate program) This course applies theories of human development and educational psychology to ministry contexts. In addition to completing a ministry research project, students develop a philosophy of formational ministry that applies relevant theory.

MIN5210U Leading and Organizing Ministry^s **4 cr**
(PQ: ENG2205 or ENG2825, and acceptance into an accelerated graduate program) This course considers the leadership development

of the whole person: knowledge, character, and skill. Practice of leadership and management for the church and for Christian nonprofit organizations will be studied. Students will examine God's vision for their lives, leading and organizing a ministry to accomplish a mission, and how to develop leaders who equip other leaders. A \$40 course fee required.

MIN5405U Advanced Preaching* **2 cr**
(PQ: MIN4306 or MIN5410, and acceptance into an accelerated graduate program) This course prepares students to evaluate contemporary approaches to preaching including overall sermonic structure and technological integration. Students identify and utilize advanced preaching strategies.

MIN5610U Ministering Culturally and Globally **2 cr**
(PQ: acceptance into an accelerated graduate program) This course prepares students to investigate social and cultural contexts in order to communicate and minister effectively in a diverse and globalized society. This course also applies theological and philosophical principles related to the global and local mission of the Church.

MIN5993U Graduate Internship I **1 cr**
(PQ: acceptance into an accelerated graduate program, consent of faculty supervisor, and internship registration form) Students complete at least fifty hours of ministry field experience during the course of one semester. Through a process of practice and reflection, students evaluate their learning goals, personal growth, and overall growth as a ministry leader. A primary goal of the course is to test your vocational calling through field experience.

MIN5994U Graduate Internship II **1 cr**
(PQ: MIN5993U, acceptance into an accelerated graduate program, consent of faculty supervisor, and internship registration form) Students complete at least fifty hours of ministry field experience during the course of one semester. Through a process of practice and reflection, students evaluate their learning goals, personal growth, and overall growth as a ministry leader. A primary goal of the course is to assess one's vocational calling in order to choose an emphasis track in the M.Div. program.

Multi-Disciplinary Studies

MDS1825 Honors Big Ideas Through the Creative Lens **2 cr**
(PQ: ACT Composite score of 27 or above [SAT score of 1280 or above or CLT score of 85 or above], or high school cum GPA of 3.7 or higher, or consent of instructor) Through creative work in the arts—literature, visual arts, theatre, music, film, and dance—humans experience and communicate divergent perspectives, grapple with complex topics

and emotions, and ultimately move toward a fuller understanding of what is real, what we can know, and how we should live. In this course we examine a single complex aspect of the human experience through hands-on creative experiences with the elements and processes of various art forms and the study of notable artists and works. This introductory course does not require prior artistic experience.

Music – Applied

CLASS APPLIED

MUP1001 Class Voice** **1 cr**
 A study of basic solo vocal techniques, including breath control, proper tone production, diction and stage presence, as well as psychological aspects, taught in a class setting. Course may be repeated.

MUP3216 Keyboard Techniques** **2 cr**
(PQ: MTC2112 or consent of instructor) An overview of keyboard skills including score reading, transposition, improvisation, chart reading and figured bass realization.

MUP2013 Group Piano **1 cr**
 Instruction and practice in piano technique, repertoire, harmonization, transposition, accompanying, hymn playing, score reading, and sight reading. **Note:** This course is designated as repeatable for credit until the student passes the piano proficiency level required for the degree.

COURSE DESCRIPTIONS

INDIVIDUAL APPLIED

A separate lesson fee (see page 15) will be assessed per credit. 1 credit (25- to 30-minute lesson); 2 credits (50- to 60-minute lesson). A private lesson registration form is required for permission to register in each semester of study.

Note: MUP2100–MUP3160 and MUP4100–MUP4160 are designated as repeatable unless designated otherwise.

Applied numbers:

2XXX: All freshmen and sophomore music majors; all minor, secondary and elective lessons.

31XX: Junior Performance majors, junior and senior Music (B.A./B.S. including Music Ministry Emphasis) majors, and Music Education majors. (PQ: successful completion of the Music Major Progress Interview; additional prerequisites for vocal majors.)

41XX: Senior Performance majors who have completed their junior recital.

MUP2100 Private Voice - Major 1–2 cr
(PQ: audition for first semester of study) Private, individual voice lessons at the lower division music major level for Vocal Performance (B.Mus.), Vocal Music Education (B.M.E), and Music (B.A./B.S. including Music Ministry Emphasis) majors. Required Vocal Lab class meets weekly with studio teacher.

MUP3100 Private Voice - Major 1–2 cr
(PQ: successful completion of the Music Major Progress Interview, passing of vocal proficiency requirements and completion of MUS3101 and MUS3102 with a grade of C- or above) Private, individual voice lessons at the upper division level of study required for Vocal Performance (B.Mus.) and Vocal Music Education (B.M.E.) majors. Optional study level for vocally proficient Music (B.A./B.S. including Music Ministry Emphasis) majors. Vocal study includes preparation toward a Junior (B.Mus.) or Senior (B.M.E.) Recital. Required Vocal Lab class meets weekly with studio teacher.

MUP4100 Private Voice - Major 1–2 cr
(PQ: completion of junior recital as a Vocal Performance [B.Mus.] major). Private, individual voice lessons at the upper division level of study required for Vocal Performance (B.Mus.) majors only. Vocal study includes preparation toward the Senior Recital. Required Vocal Lab class meets weekly with studio teacher.

MUP2105 Private Voice - Minor 1–2 cr
(PQ: audition for first semester of study) Private, individual voice lessons at the lower division level of study required for Music minors whose principal instrument is voice.

MUP2106 Private Voice - Elective 1–2 cr
(PQ: audition for first semester of study) Private, individual voice lessons as a non-music major elective student. Optional study level for vocal music majors past degree requirements.

MUP2107 Private Voice - Secondary 1–2 cr
(PQ: audition for first semester of study) Private, individual voice lessons as a secondary instrument for music majors, including piano majors pursuing a B.M.E. degree and licensure in vocal and classroom music. Weekly Vocal Lab class attendance is required for B.M.E. Piano majors with Vocal Licensure.

MUP2110 Private Piano - Major 1–2 cr
(PQ: audition for first semester of study) Private piano lessons at the lower division music major level for B.Mus., B.M.E. (piano as primary instrument), B.S. and B.A. music majors. Required piano lab class meets weekly with the studio teacher.

MUP3110 Private Piano - Major 1–2 cr
(PQ: successful completion of the Music Major Progress Interview and piano proficiency requirements) Private piano lessons at the upper division level of study for B.Mus. and B.M.E. (piano as primary instrument) majors. Optional for proficient B.A. and B.S. majors. Study includes preparation toward a junior (B.Mus.) or senior (B.M.E.) half recital. Required piano lab meets weekly with the studio teacher.

MUP4110 Private Piano - Major 1–2 cr
(PQ: completion of junior recital as a B.Mus. major) Private piano lessons at the upper division level of study for B.Mus. majors only. Study includes preparation toward a senior recital. Required piano lab meets weekly with the studio teacher.

MUP2115 Private Piano - Minor 1–2 cr
(PQ: audition for first semester of study) Private piano lessons at the lower division of study for Music minors whose principal instrument is piano. Attendance at six piano labs per semester is required.

MUP2116 Private Piano - Elective 1–2 cr
(PQ: audition for first semester of study) Private piano lessons as a non-music major elective student. Optional study for music majors, past degree requirements.

MUP2117 Private Piano - Secondary 1–2 cr
(PQ: audition for first semester of study) Private piano lessons as a secondary instrument for music majors wishing to further develop their piano skills and/or preparing to pass music major piano proficiency requirements.

MUP2127 Private Organ - Secondary 1–2 cr
MUP2130 Private String - Major 1–2 cr
MUP2140 Private Woodwind - Major 1–2 cr
MUP2150 Private Guitar - Major 1–2 cr
MUP2170 Private Brass - Major 1–2 cr
MUP2180 Private Percussion - Major 1–2 cr
MUP2190 Private Harp - Major 1–2 cr
(PQ: acceptance by audition as a music major) Primarily lower division (2000 level, all degrees) repertoire and study materials at the instructor's discretion. Wind/String Lab, GSR & Jury required.

MUP3130 Private String - Major 1–2 cr
MUP3140 Private Woodwind - Major 1–2 cr
MUP3150 Private Guitar - Major 1–2 cr
MUP3170 Private Brass - Major 1–2 cr
MUP3180 Private Percussion - Major 1–2 cr
MUP3190 Private Harp - Major 1–2 cr
(PQ: passing the Music Major Progress Interview jury with a grade of B [for B.A., B.S., B.M.E. degrees] or B+ [for B.Mus. degree]) Primarily upper division (3000/4000 level) repertoire and study materials at the instructor's discretion. Wind/String Lab, GSR & Jury required.

MUP4130 Private String - Major 1–2 cr
MUP4140 Private Woodwind - Major 1–2 cr
MUP4150 Private Guitar - Major 1–2 cr
MUP4170 Private Brass - Major 1–2 cr
MUP4180 Private Percussion - Major 1–2 cr
MUP4190 Private Harp - Major 1–2 cr
(PQ: Successful completion of a junior recital [for B.M. degree]) Study includes preparation for the full senior recital MUP4696. Wind Lab required. GSR & jury required only if no recital that semester.

- MUP2135 Private String - Minor** 1–2 cr
MUP2145 Private Woodwind - Minor 1–2 cr
MUP2155 Private Guitar - Minor 1–2 cr
MUP2175 Private Brass - Minor 1–2 cr
MUP2185 Private Percussion - Minor 1–2 cr
MUP2195 Private Harp - Minor 1–2 cr
(PQ: audition with area coordinator) Primarily lower division. GSR optional at instructor's discretion. Wind/String Lab optional.
- MUP2136 Private String - Elective** 1–2 cr
MUP2146 Private Woodwind - Elective 1–2 cr
MUP2156 Private Guitar - Elective 1–2 cr
MUP2176 Private Brass - Elective 1–2 cr
MUP2186 Private Percussion - Elective 1–2 cr
MUP2196 Private Harp - Elective 1–2 cr
(PQ: interview with area coordinator) For study by non-majors, primarily lower division (2000-level) repertoire and study materials at the instructor's discretion. GSR, Jury and Wind/String Lab optional.
- MUP2137 Private String - Secondary** 1–2 cr
MUP2147 Private Woodwind - Secondary 1–2 cr
MUP2157 Private Guitar - Secondary 1–2 cr
MUP2177 Private Brass - Secondary 1–2 cr
MUP2187 Private Percussion - Secondary 1–2 cr
MUP2197 Private Harp - Secondary 1–2 cr
(PQ: acceptance as a music major, interview with area Coordinator) For majors studying an instrument that is not the student's primary performance area; GSR & Jury optional at instructor's discretion, Wind/String Lab optional.
- MUP2160 Private Composition - Major** 1–2 cr
(PQ: B- or better in MTC1007, MTC2004 and MTC2112) Original work drawn from standard musical forms with a focus on melodic and motivic construction. Initial works will be written for one or two instruments. Additional semesters of study will include the use of more intricate forms and the composition of works for varied ensembles. Required Composition Lab meets weekly with the composition teacher.
- MUP2165 Private Composition - Minor** 1–2 cr
Original work drawn from standard musical forms with a focus on melodic and motivic construction. Required Composition Lab meets weekly with the composition teacher.
- MUP2166 Private Composition - Elective** 1–2 cr
Private, individual composition lessons for non-music majors and music majors with other proficiencies. Optional level of study for composition majors past degree requirements.
- MUP2365 Private Counterpoint - Minor** 1–2 cr
(PQ: C- or better in two or more semesters of private composition lessons) Study of 18th century counterpoint through composition and analysis of invention, canon, fugue and related contrapuntal forms. Required Composition Lab meets weekly with the composition teacher.
- MUP3160 Private Composition - Major** 1–2 cr
(PQ: C- or better in MUP2160 and successful completion of the Music Major Progress Interview). Original work drawn from standard musical forms with a focus on melodic and motivic construction. Initial works will be written for one or two instruments. Additional semesters of study will include the use of more intricate forms and the composition of works for varied ensembles. Required Composition Lab meets weekly with the composition teacher.
- MUP4160 Private Composition - Major** 1–2 cr
(PQ: C- or better in MUP3160, MTC4207, successful completion of the Music Major Progress Interview, or consent of instructor). Original work drawn from standard musical forms with a focus on melodic and motivic construction. Initial works will be written for one or two instruments. Additional semesters of study will include the use of more intricate forms and the composition of works for varied ensembles. Required Composition Lab meets weekly with the composition teacher.
- MUP2225 Private Songwriting - Minor** 1–2 cr
Learn, analyze, and apply the foundational and structural elements of songwriting through this collaborative, growth-oriented, experience designed for both aspiring and experienced songwriters.
- MUP2226 Private Songwriting - Elective** 1–2 cr
Learn, analyze, and apply the foundational and structural elements of songwriting through this collaborative, growth-oriented, experience designed for both aspiring and experienced songwriters.
- MUP2256 Private Commercial Guitar - Elective** 1–2 cr
(PQ: permission of instructor with audition for first semester of study) Private commercial guitar lessons as a non-music major elective student.
- MUP2257 Private Commercial Guitar - Secondary** 1–2 cr
(PQ: permission of instructor with audition for first semester of study) Private commercial guitar lessons as a secondary instrument for music majors wishing to further develop their commercial guitar skills.
- MUP2286 Private Drum Set - Elective** 1–2 cr
(PQ: audition for first semester of study) Private drum set lessons as a non-music major elective student.
- MUP2287 Private Drum Set - Secondary** 1–2 cr
(PQ: audition for first semester of study) Private drum set lessons as a secondary instrument for music majors wishing to further develop their drum set skills.
- MUP2356 Private Electric Bass - Elective** 1–2 cr
(PQ: audition for first semester of study) Private electric bass lessons as a non-music major elective student.
- MUP2357 Private Electric Bass - Secondary** 1–2 cr
(PQ: audition for first semester of study) Private electric bass lessons as a secondary instrument for music majors wishing to further develop their electric bass skills.
- MUP3307 Private Conducting - Secondary** 1–2 cr
(PQ: MUS3277 or consent of instructor) A continuation of conducting study with emphasis on expressive elements, score study, and rehearsal techniques.
- MUP3360 Private Counterpoint - Major*** 2 cr
(PQ: C- or better in two or more semesters of private composition lessons and successful completion of the Music Major Progress Interview) Study of 18th-century counterpoint through composition and analysis of invention, canon, fugue and related contrapuntal forms.
- MUP4360 Private Counterpoint - Major*** 2 cr
(PQ: C- or better in two or more semesters of private composition lessons and successful completion of the Music Major Progress Interview) Study of 18th-century counterpoint through composition and analysis of invention, canon, fugue and related contrapuntal forms.
- MUP3695 Junior Recital - Half** 0 cr
(PQ: successful completion of the Music Major Progress Interview, and approval of faculty; concurrent registration in private lessons on major instrument) Half recital for juniors in a Bachelor of Music Performance major.

COURSE DESCRIPTIONS

MUP4695 Senior Recital - Half **0 cr**
 (PQ: successful completion of the Music Major Progress Interview, completion of Piano Proficiency and approval of faculty; concurrent registration in private lessons on major instrument) Half recital for seniors in a Bachelor of Music Education major.

MUP4696 Senior Recital - Full **1 cr**
 (PQ: successful completion of the Music Major Progress Interview, completion of Piano Proficiency and approval of faculty; concurrent registration in private lessons on major instrument) Full recital for seniors in a Bachelor of Music major.

Music – Ensembles

Note: A separate fee (\$) will be assessed (see page 15). Courses in this section are designated as repeatable.

MEN3001 Northwestern Choir[§] **0–2 cr**
MEN3002 Con Brio Men's Chorus[§] **0–1 cr**
MEN3003 Amata Women's Chorale[§] **0–1 cr**
MEN3004 Chamber Singers[§] **0–1 cr**
MEN3005 Opera Workshop **0–1 cr**
 (PQ: consent of instructor) Introduction to basic concepts of singing on stage through exercises in visual expression, stage movement and characterization. Preparation and performance of operatic arias, choruses, scenes and/or complete operas.

MEN3015 Worship Team **0–1 cr**
 Ensemble participation.
MEN3030 Orchestra - Strings[§] **0–2 cr**
MEN3031 Orchestra - Winds[§] **0–2 cr**
MEN3040 Symphonic Band[§] **0–2 cr**
MEN3041 Jazz Ensemble[§] **0–1 cr**
MEN3042 Chamber Music **0–1 cr**
MEN3045 Drumline **0–1 cr**

Music – General

MUS1000 Music Hour **0–1 cr**
 A weekly assembly of music majors and minors for the purpose of student performance or discussion of topics of significance to musicians. On campus and off-campus concert attendance is required. **Note:** This course is designated as repeatable.

MUS1075 Introduction to Music^{##} **2 cr**
 A basic survey course designed to increase the interest in and understanding of music as an art form. Passing the department competency exam fulfills the course requirement, but does not earn credit. Only offered through Dual Enrollment.

MUS2176 Fundamentals of Conducting^{*} **2 cr**
 (PQ: MTC2112) Technique, practices and principles of conducting, including hand and baton technique, metric patterns, tempo, style, dynamics, terminology study and preparation of the score. Practical experience with performing organizations is stressed.

MUS3101 Diction for Singers I^{*} **1 cr**
 (PQ: two semesters of private voice lessons as a major or consent of instructor) One class and one lab per week. An introduction to the study and application of the International Phonetic Alphabet (IPA) and its guidelines for usage in singing Italian and English vocal literature. Practical application will occur in the lab class through individual and group coaching of singing and speaking.

MUS3102 Diction for Singers II^{*} **1 cr**
 (PQ: C- or better in MUS3101 or consent of instructor) One class and one lab per week. A continuation of the study and application of the International Phonetic Alphabet (IPA) and its guidelines for usage in singing German and French vocal literature. Practical application will occur in the lab class through individual and group coaching of singing and speaking.

MUS3215 Piano Pedagogy^{*} **2 cr**
 (PQ: sophomore music major or consent of instructor) Procedures for teaching keyboard fundamentals and musicianship for private and class lessons, including a survey and analysis of current developmental psychologies, teaching methods and materials for beginning students. Includes practical experience in individual piano teaching.

MUS3277 Advanced Conducting^{*} **2 cr**
 (PQ: MUS2176) A continuation of conducting study with emphasis on expressive elements, score study and analysis, and rehearsal planning and techniques.

MUS4401 Vocal Pedagogy I^{*} **2 cr**
 (PQ: MUP3100 and successful completion of the Music Major Progress Interview, or consent of instructor) A study of the basics of vocal production for singing and speaking: respiration, phonation, registration, resonance, articulation and coordination. Anatomy and physiology of the vocal mechanism. Mind-body integration concepts. Introductory information for healthy and efficient singing and speaking. Includes some out-of-class observations. Prerequisite for registration in MUS4401 for B.M.E. Piano Majors with Voice Emphasis is the completion of the minimum vocal proficiency requirements.

MUS4402 Vocal Pedagogy II^{*} **2 cr**
 (PQ: MUS4401 or concurrently enrolled) Extended study of topics in Vocal Pedagogy I with special emphasis on practical applications for the teaching of singers. Diagnosis and correction of vocal problems. Philosophy and psychology of singing and teaching. Lifespan voice teaching including the child, changing and adolescent voices. Principles of vocal health in speaking and singing, including related vocal disorders and their treatment. Pedagogical principles, methods and resources for teaching singing. Includes supervised individual voice teaching. Practical information for setting up a private vocal studio. Includes out-of-class observations.

MUS4841 Senior Project **1–2 cr**
 (PQ: successful completion of the Music Major Progress Interview and piano proficiency and consent of faculty supervisor, or declared minor in Music Composition and consent of faculty supervisor) A capstone experience for the B.A./B.S. Music degree. In cooperation with the faculty supervisor, the student will propose and complete a project demonstrating knowledge and skills acquired in their coursework and/or looking ahead to potential career opportunities.

MUS4995 Music Internship **1–2 cr**
 (PQ: successful completion of the Music Major Progress Interview and piano proficiency and consent of faculty supervisor, and internship registration form) Supervised experience in a real-world setting requiring a variety of skills, including, but not limited to, organizational, administrative, technical and musical abilities. 40 hours of on-site work is required per credit. **Note:** See page 25 for note regarding internships.

Music History

MUH3101 Western Music History to 1750* ^{WCE} **4 cr**
(PQ: MTC2112; ENG2205 or ENG2825; or consent of instructor) A study of the music of Western civilization traced from its primitive origins through the Renaissance to the Baroque period, ending with the music of J.S. Bach.

MUH3102 Western Music History after 1750* ^{WCE} **4 cr**
(PQ: MTC2112; ENG2205 or ENG2825; or consent of instructor) A study of the music of Western civilization from the Rococo period to the present day, with special attention given to the major musical forms in vocal and instrumental music as demonstrated in the works of the major composers.

MUH3105 American Music **2 cr**
 A survey of the roots and development of American music from European, African and Native American sources. Both popular and art forms are studied.

MUH3106 Music in World Cultures. **2 cr**
 An introductory study of cultural traditions, belief systems and practices of world cultures as approached through the study and analysis of the music of ethnic groups. Various worldviews are examined through comparison with biblical and theological concepts.

Music in the Church

Directed studies are available. See page 26–27.

MCH3007 History of Music in the Church* **2 cr**
 An historical survey of church music from the Old Testament to the present, including Jewish temple music, Gregorian chant, hymns, Renaissance polyphony and music of the several Protestant traditions from the Reformation to the present. Through reading, discussion and research, questions of changing musical styles and the function of worship music in different historical and cultural settings are explored.

MCH3125 Theology of Worship* **2 cr**
(PQ: MIN1007) An introduction to worship theology and worship arts with an overview of traditional, contemporary, and convergent worship forms and styles in the role of worship leading. Students will develop their own theology of worship statement.

MCH3216 Technology in Worship* **2 cr**
 The use of technology (lights, audio, video, electronic equipment) in worship. The course includes practicum experience in local churches.

MCH4315 Leading Worship* **2 cr**
(PQ: MTC1007, MCH3125) The theory, methods, and techniques of musical preparation and presentation for leading worship in ministry. Includes techniques for working with music ensembles and basic arranging and improvisation. Course includes practicum experience in local churches.

MCH4995 Music Ministry Internship. **2 cr**
(PQ: Successful completion of the Music Major Progress Interview and piano proficiency and consent of faculty supervisor, and internship registration form) Supervised experience in a local church music ministry setting that includes experience in worship planning/leading as well as administrative and technical experiences. 80 hours of ministry work required. **Note:** See page 25 for note regarding internships.

Music Literature

MUL4301 Solo Vocal Literature* **2 cr**
(PQ: successful completion of the Music Major Progress Interview or consent of instructor) A survey of art song literature and selected vocal chamber music from the 17th century through the 21st century.

MUL4315 Piano Literature* **2 cr**
(PQ: MUH3101, MUH3102 and successful completion of the Music Major Progress Interview, or consent of instructor) A study of the

literature for piano, surveying the repertoire of the late 17th century through the 21st century.

MUL4345 Instrumental Literature - Major Instrument.** **2 cr**
(PQ: MUH3101, MUH3102 and successful completion of the Music Major Progress Interview, or consent of instructor) A study of available literature for a student's major instrument. The study includes literature from all grade levels and historical periods.

Music Theory & Composition

MTC1007 Music Theory Foundations **4 cr**
 A study of the foundational concepts of music: pitch, rhythm, scales, modes, intervals, chords, and harmony with an introduction to notation software, piano, and singing.

MTC2004 Sight Singing and Ear Training II. **1 cr**
(PQ: C- or better in MTC1007) This course parallels MTC2112 from an aural standpoint with the addition of two- and three-voice dictation and an introduction to chord progressions. Passing the department competency exam fulfills the course requirement, but does not earn credit.

MTC2112 Music Theory II: Diatonic Practice **3 cr**
(PQ: C- or better in MTC1007) A continuation of MTC1007 with a basic understanding of the orchestral score and its analysis, instrument transpositions, higher tertian chords, modulation and secondary functions, as well as more advanced analysis. Passing the department competency exam fulfills the course requirement, but does not earn credit.

MTC3101 Music Theory III: Chromatic and Jazz-Pop Harmony^{OCE} . . . **3 cr**
(PQ: SPE1075 or SPE1825 and C- or better in MTC2112.) A study of chromaticism: modal mixture; Neapolitan sixths; augmented 6th; 9th, 11th, 13th chords; altered dominant and chromatic mediant chords; sonata form; jazz and pop harmonies. Students write as well as analyze music. Passing the department competency exam fulfills the course requirement, but does not earn credit.

COURSE DESCRIPTIONS

MTC3102 Music Theory IV: Practices after 1875 3 cr
(PQ: C- or better in MTC3101; to be taken concurrently with MTC3104)
 A study of compositional practices of the late 19th century to the present. Students research, perform and present a paper on a work from the 20th/21st century. Also, students compose two pieces to be rehearsed and performed for the class. Passing the department competency exam fulfills the course requirement, but does not earn credit.

MTC3103 Sight Singing and Ear Training III 1 cr
(PQ: C- or better in MTC2004.) A laboratory class including solfège singing of chromatic music, rhythmic dictation, melodic and harmonic dictation with modulations, recognition of seventh chords, syncopation, modes and atonal sight singing. Passing the department competency exam fulfills the course requirement, but does not earn credit.

MTC3104 Sight Singing and Ear Training IV 1 cr
(PQ: C- or better in MTC3103) A laboratory class concentrating on atonal sight singing, changing meters and nonfunctional harmonic progressions, as well as continued work on speed in sight-reading

music of all styles. Passing the department competency exam fulfills the course requirement, but does not earn credit.

MTC4207 Orchestration* 2 cr
(PQ: C- or better in MTC3101 and successful completion of the Music Major Progress Interview) Study of the characteristics and capabilities of orchestral instruments as applied to composing, orchestrating and arranging.

MTC4209 Choral Arranging* 2 cr
(PQ: C- or better in MTC3101 and successful completion of the Music Major Progress Interview) A study of the technique of arranging music for voices.

MTC4305 Analytic Techniques* 3 cr
(PQ: C- or better in MTC3102 and successful completion of the Music Major Progress Interview) A survey of standard analytical techniques applied to major forms from the Baroque through the Modern period. Includes an introduction to the analysis of 20th-century music: set theory, Schenkerian analysis and newer compositional techniques.

Nursing

NUR1005 Success in Nursing 1 cr
 This course will examine ways in which students can be successful in the School of Nursing Program. Focus will be on assisting students in determining how they can learn and retain knowledge; gain critical thinking skills; combat ineffective study habits; and improve content retention. Emphasis is on providing students opportunities to examine and prioritize their goals and commitments while eliminating low-priority goals and obstacles to obtaining academic success in School of Nursing.

NUR2215 Professional Nursing: Called To Serve 2 cr
 This course introduces the student to the concept of professional nursing as a Christ-centered calling. The mission and philosophy of University of Northwestern School of Nursing will be presented. The course investigates relationship building necessary for collaborative practice with interprofessional healthcare team members. Skills and abilities characteristic of a professional nurse generalist will be emphasized.

NUR2216 Assessment and Communication Strategies for Service[§] . . . 4 cr
 This course develops foundational health assessment and communication skills related to individuals within the home, church, community and world. Service to the well-adult population will be emphasized. A \$525 clinical fee required.

NUR2217 Serving Through Interprofessional Collaboration[§] 2 cr
 This course introduces students to the defining characteristics of interprofessional practice, incorporating biblically based Christian values. It focuses on nursing as a member of the interprofessional collaborative team. Emphasis is on communication, networking and team building. A \$525 clinical fee required.

NUR2218 Foundational Adult Care Services[§] 6 cr
 This course introduces the hands-on application of the biblically based Christian worldview to professional practice. Development of foundational nursing skills related to serving adult individuals and families across the continuum of healthcare environments will be emphasized. A \$525 clinical fee required.

NUR3215 Pharmacology and Therapeutic Services 3 cr
(PQ: C or better in NUR2215, NUR2216, NUR2217, and NUR2218)
 This course will introduce pharmacology principles and therapeutic modalities into nursing ministry and services. It will emphasize pharmacological agents and their effects on body systems and medication administration.

NUR3216 Advanced Adult Care Services[§] 8 cr
(PQ: C or better in NUR2215, NUR2216, NUR2217, and NUR2218)
 Development of advanced nursing skills related to serving adult individuals and families across the continuum of healthcare environments will be emphasized within the biblically based Christian worldview. A \$525 clinical fee required.

NUR3315 Infant, Child and Family Care Services[§] 6 cr
(PQ: C or better in NUR3215, NUR3216, and BIO3159) This course incorporates Christ-centered, biblically based principles while focusing on nursing ministry and service to infants, children and families within the home, church, community and world. Development of skills required for promoting health, preventing disease and addressing unmet healthcare needs of infants, children and families will be emphasized. A \$525 clinical fee required.

NUR3316 Psychiatric–Mental Health Care Services[§] 3 cr
(PQ: C or better in NUR3215, NUR3216, and BIO3159) An overview is presented of psychiatric–mental health nursing throughout the lifespan to individuals, families, groups, communities and populations across the continuum of healthcare environments. Synthesis of knowledge from biblical truths, liberal arts, the sciences and evidence-based practice will be incorporated into ministry and services to clients with psychiatric–mental health care needs. A \$525 clinical fee required.

NUR3317 Serving Transcultural Populations[§] 4 cr
(PQ: C or better in NUR3215, NUR3216, and BIO3159) This course incorporates a cultural-assessment model to identify specific components in various populations to provide unique and quality nursing ministry and service. Emphasis is on providing students opportunities to examine their own Christian values and ethics in relationship to socio-cultural variables. It includes an immersion experience in a culture different from the student's culture. A \$525 clinical fee required.

NUR4310 Business Finance for Healthcare Services 2 cr
(PQ: C or better in NUR3315, NUR3316, NUR3317, and completion of all pre-requisite courses) This course will provide a foundation of concepts and skills in business finance in preparation of graduates for entry-level, beginning professional healthcare or nursing practice. Emphasis will be on resource management, cultural considerations, government influences and regulations which impact healthcare within the United States.

NUR4315 Evidence-Based Services 3 cr
(PQ: C or better in NUR3315, NUR3316, NUR3317, and completion of all pre-requisite courses) This course provides an understanding of the research process that undergirds evidence-based services. It will explore underlying worldviews that have led to the development of research approaches. It will include basic elements of research design, sampling, data collection and analysis. Students will critique a research article, develop a research proposal and complete an evidence-based practice paper.

NUR4316 Service Leadership and Management[§]. 2 cr
(PQ: C or better in NUR3315, NUR3316, NUR3317, and completion of all pre-requisite courses) This course will provide a foundation of concepts and skills in service leadership and management in preparation of graduates for entry-level, beginning-professional nursing practice. Emphasis will be on managing resources, interpersonal and interprofessional communication skills and servant-leadership principles. A \$525 clinical fee required.

NUR4317 Community and Population-Based Care Services[§]. 4 cr
(PQ: C or better in NUR3315, NUR3316, NUR3317, and completion of all pre-requisite courses) Explore community- and population-based care with an emphasis on health promotion and disease prevention within a biblically based Christian worldview. Provide nursing ministry and services using in-person or virtual-delivery systems. This course incorporates a community-based clinical-immersion experience. A \$525 clinical fee required.

NUR4318 Synthesis of Care Services[§] 3 cr
(PQ: C or better in NUR3315, NUR3316, NUR3317, and completion of all pre-requisite courses) This course will focus on synthesis of nursing ministry and services from a biblically based Christian worldview. It will include analysis of one's own abilities and skills to work as a competent nurse generalist. Emphasis will be on clinical immersion. A \$525 clinical fee required.

NUR4319 NCLEX-RN Preparation for Service. 3 cr
(PQ: C or better in NUR3315, NUR3316, NUR3317, and completion of all pre-requisite courses) This course assists students with preparation (emotional, physically, spiritually and academically) for taking the NCLEX-RN examination required for licensure as a registered nurse.

Philosophy

PHI2005 Introduction to Philosophy[#]. 4 cr
 A survey of Western philosophy: history, systems, problems, methods, ethics and leading figures. May be taken to count toward the Theological Philosophy requirement in the core curriculum. Equivalent to PHI2009 (see College of Graduate, Online, & Adult Learning catalog). Only offered through Dual Enrollment.

PHI2006 Fundamentals of Logic* 2 cr
 In this course students learn the basic principles of propositional and first-order logic. Emphasis is on developing understanding and skill in constructing valid deductive arguments and recognizing fallacious reasoning. Informal and inductive logic will also be introduced with a survey of common informal fallacies.

PHI2016 Ethics[#]. 4 cr
 A comparative introduction to normative social theory. An examination and critique of alternative grounds for claiming that an action, attitude, social rule, or social institution is morally right or wrong.

PHI2055 Introduction to Theological Philosophy[#] 2 cr
 This course explores the implications of the biblical doctrines of creation, fall, redemption and providence for the study of philosophy. It stresses the Christ-centered nature of creation, the moral and theological nature of knowledge, and the dependence of the created order upon the providential activity of God. Particular attention will be given to topics such as the Creator/creature distinction, the effects of sin and regeneration on the mind, and the relationship between general and special revelation.

PHI2825 Honors Topics in Philosophy 2–4 cr
(PQ: ACT Composite score of 27 or above [SAT score of 1280 or above or CLT score of 85 or above], or high school cum GPA of 3.7 or higher, or consent of instructor) An investigation of a selected topic in philosophy for honors students. Emphasis will be placed on independent work and critical thinking.

PHI3011 History of Philosophy: Ancient* 2 cr
 A survey of the history of philosophy from Thales to Augustine. The course focuses on major developments and figures in philosophic thought with particular attention to Plato, Aristotle, the early church fathers and Augustine. The course will explore the interaction between Greek and Roman philosophy and the development of early Christianity.

PHI3012 History of Philosophy: Medieval* 2 cr
 A survey of the history of philosophy from Augustine up to Descartes. The course focuses on major developments and figures in philosophic thought with particular attention to Augustine, Boethius, Anselm, Aquinas, William of Ockham, Molina and Suarez. The course will explore the ways in which medieval Christian thinkers shaped and were shaped by philosophic and historical movements.

PHI3013 History of Philosophy: Modern* 2 cr
 A study of the major thinkers and topics in 17th- and 18th-century European philosophy. Key figures include Descartes, Leibniz, Hume, Berkeley and Kant. Central topics include skepticism and the limits of knowledge, the expansion of science and its relationship to Christianity, the mind-body problem, causation and theistic arguments. Since all of these themes are still of central significance, they will be related to present-day discussions.

PHI3014 History of Philosophy: Contemporary* 2 cr
 An overview of 19th- and 20th-century philosophy in Europe and America. Anglo-American philosophers will be studied, including Russell, Moore, Wittgenstein and Plantinga. Special attention will be paid to "analytic" trends in philosophy of language and philosophy of science, including the 20th-century renaissance in Christian philosophy. Continental philosophers such as Kierkegaard, Nietzsche, Sartre and Derrida will be examined, with an emphasis on existentialism, postmodernism and ethical and epistemic relativism.

COURSE DESCRIPTIONS

PHI3025 God and Philosophy 4 cr
(PQ: ENG2205 or ENG2825) This course engages in philosophical reflection on God and related concepts. Arguments for the existence of God, the possibility of religious knowledge, puzzles about divine attributes, the relation of faith and reason, the nature of God's action in the world, the problem of evil, religious pluralism, and non-Christian notions of divinity and salvation are all explored.

PHI3028 The Problem of Suffering 2 cr
This course examines the various solutions to the problem of suffering. In particular, if God is all-good and all-powerful, then why do people still suffer?

PHI3035 Metaphysics 2 cr
This course surveys metaphysics as the study of the nature of reality and is concerned with identifying and understanding the fundamentally distinct sorts of things that exist such as properties, relations, time, causality, freedom, mind, numbers, sets and possible worlds. The course attempts to relate these things to the doctrine of creation and to the dynamics of God's acting according to his plan for his purposes in Christ. This is a course in worldview integration for those majoring in physical and social science, mathematics, or in any of the humanities.

PHI3036 Jonathan Edwards Seminar** 4 cr
This course examines the Christian philosophy and theology of Jonathan Edwards (1703–1758) in its early modern setting. It critically evaluates his theses, argumentation and practical implications regarding God's motive and purpose in creation as it is expressed in his *Dissertation of the End for which God Created the World*. (The first half of the course explores Edwards' philosophical argument as expressed in the introduction and Chapter One. The second half examines his biblical and theological argument as expressed in Chapter Two.) This work is the centerpiece of his life-long interest in understanding how science, metaphysics, history, ethics and especially religious experience are rooted in his view of the dynamics and purpose of God's acting.

PHI3037 Science and Theology 4 cr
Course also listed as SCI3037. In this course, students will explore the interdisciplinary dialogue between scientists and theologians on critical, moral, ethical, scientific and theological issues. The course will read and discuss current literature in Science and Theology and explore major issues in context of the historical and contemporary framework of both disciplines.

PHI3057 Christian Apologetics# 2 cr
This course explains and argues for Christian beliefs about such topics as the existence of God, the reliability of Scripture, miracles, the problem of evil, science and the Bible, and other religions. Students will be introduced to different approaches to apologetics and investigate the relationship between apologetics and saving faith.

PHI3145 The Nature of Knowledge^{OCE} 2 cr
(PQ: SPE1075 or SPE1825) This course examines the question, When does a belief count as knowledge? It addresses the relevance of the knower in knowing, the role of proof and evidence, and the major historical and contemporary theories of epistemology such as skepticism, relativism, and empiricism.

PHI3165 Political Thought 4 cr
(PQ: ENG1105 or ENG1825, and HIS1005, HIS1825, or HIS1826) Course also listed as POS3165. This course considers how individuals have thought and written about politics from a philosophical perspective. It seeks to understand both Ancient and Modern perspectives, and it will emphasize Christian political thought. It will also consider normative considerations about justice and the nature of political rights.

Physical Education Activity Courses

NOTE: SOME PHE COURSES MAY REQUIRE A FEE.

PHE1005 Basketball** 1 cr
PHE1007 Volleyball 1 cr
PHE1015 Aerobics 1 cr
PHE1016 Fitness** 1 cr
PHE1018 Power Walking 1 cr
PHE1019 Weight Training 1 cr
PHE1021 Beginning Tennis 1 cr
PHE1025 Badminton* 1 cr
PHE1026 Racquetball* 1 cr
PHE1031 Beginning Swimming** 1 cr
PHE1035 Canoeing** 1 cr
PHE1056 Bowling** 1 cr
PHE1057 Golf^f 1 cr

PHE1065 Lifetime Fitness and Wellness# 1 cr
This course is an introduction to fitness and health principles with an emphasis on physical activity, nutrition, weight management and health related fitness concepts. Students will have the opportunity to assess their current levels of physical fitness, nutrition and activity patterns in order to develop a personalized health and fitness program. Students will be required to participate in a variety of physical fitness activities as well as the study of pertinent principles governing fitness.

PHE1066 Fitness and Health for Life## 2 cr
This course is designed to motivate and enable students to improve their knowledge and application of lifelong and optimal fitness and health. Students will learn how to assess themselves in the fitness areas of cardiovascular, body composition, muscular strength and endurance and flexibility within the FITT formula. This course will also cover topics such as body image, weight control, nutrition, emotional health, sleep habits and personal relationships as they affect the vigor and vitality that is needed to function physically, psychologically and socially. Only offered through Dual Enrollment.

PHE2075 Athletic Performance Development* 1 cr
This course is designed specifically for the athlete or the coach of athletes who want a better understanding of the unique underlying principles of athletic conditioning, fitness and improvement of athletic performance.

PHE2085 Theory of Coaching Baseball* 1 cr
Students will learn the strategies and techniques to teach the game of baseball. Students will develop drills and philosophies to assist the student in their development as a baseball coach.

PHE2086 Theory of Coaching Basketball* 1 cr
The student who successfully completes this course will be able to use coaching theories and techniques in coaching middle age and high school basketball.

PHE2087 Theory of Coaching Football** 1 cr
Students will learn fundamental strategies and techniques to teach the game of football. Students will develop drills and philosophies to assist the student in their development as football coach.

PHE2088 Theory of Coaching Volleyball* 1 cr
Students will learn the strategies and techniques to teach the game of volleyball. Students will develop drills and philosophies to assist the student in their development as a volleyball coach.

PHE2089 Theory of Coaching Youth Sports** 1 cr
To develop hands on knowledge on the basics to coach youth sports. This course acquaints students with necessary skills to coach youth sports.

Physics

Note: For all natural science courses, the student must earn a “C-” or better in all prerequisite courses.

PHY1005/1005L Concepts of Physics \$** 3 cr
(NOT available to students who have received a grade of C or better in any PHY course) A topical study of physics at the introductory level with some applications to contemporary society. Concepts covered are selected from: history, methods, motion, energy, electricity and magnetism, light, the atom, the nucleus and some current areas of research in physics. Three lectures and one two-hour lab per week. A \$200 laboratory fee required. Concurrent registration required in lecture and lab.

PHY1101/1101L Fundamentals of Physics I\$ 4 cr
(PQ: C- or better in MAT1126 or ACT Math score of 24 or above [SAT-I Math score of 580 or above], or B- or higher in high school (or college-equivalent) pre-calculus, trigonometry, or advanced algebra with trigonometry) This course stresses the use of fundamental principles to solve quantitative problems. Mechanics, rotations and waves. Motion in one dimension, vectors, motion in two and three dimensions, force and Newton’s laws, particle dynamics, work and energy, conservation of energy, rotational kinematics, rotational dynamics, angular momentum, fluids, oscillations, gravitation and other topics as time permits. Three lectures and one two-hour lab per week. A \$200 laboratory fee required. Concurrent registration required in lecture and lab.

PHY1102/1102L Fundamentals of Physics II\$ 4 cr
(PQ: C- or better required in PHY1101 or PHY1201) This course stresses the use of fundamental principles to solve quantitative problems. Electricity and magnetism; optical phenomena; modern physics. Three lectures and one two-hour lab per week. A \$200 laboratory fee required. Concurrent registration required in lecture and lab.

PHY1201/1201L Engineering Physics I\$ 4 cr
(PQ: C- or better in MAT2121; MAT2122 recommended or may be taken concurrently; one year of high school physics or PHY1101 recommended) Calculus-level general physics course stressing the use of fundamental principles to solve quantitative problems. Mechanics, rotations and waves. Motion in one dimension, vectors, motion in two and three dimensions, force and Newton’s laws, particle dynamics, work and energy, conservation of energy, rotational kinematics, rotational dynamics, angular momentum, oscillations, gravitation and fluid statics. Three lectures and one two-hour lab per week. A \$200 laboratory fee required. Concurrent registration required in lecture and lab.

PHY1202/1202L Engineering Physics II\$ 4 cr
(PQ: C- or better in MAT2122 and C- or better in PHY1201) Second semester of calculus-level general physics course stressing the use of fundamental principles to solve quantitative problems. Electric circuits, electricity and magnetism. Current and resistance, DC circuits, electric charge, Coulomb’s Law, the electric field, Gauss’ Law, electric potential, capacitors and dielectrics, the magnetic field, Ampere’s Law, Faraday’s Law, inductance, AC circuits, magnetic properties of matter and waves. Three lectures and one two-hour lab per week. A \$200 laboratory fee required. Concurrent registration required in lecture and lab.

PHY2203/2203L Engineering Physics III \$** 4 cr
(PQ: C- or better in PHY1202) Third semester of calculus-level general physics course stressing the use of fundamental principles to solve quantitative problems, optics and waves. Modern physics, including quantum mechanics, special relativity and the atomic structure of materials. Three lectures and one two-hour lab per week. A \$200 laboratory fee required. Concurrent registration required in lecture and lab.

Political Science

POS1005 Introduction to Political Science 4 cr
An introduction to the study of political power, political groups and parties and political ideologies. The modern state and its relationship to the individual and to political groups will be discussed. Constitutions, branches of government, bureaucracy and international politics will also be studied.

POS2005 U.S. National Government# 4 cr
The study of the structure and processes of American national government and its political processes and institutions. Particular attention is paid to constitutionalism, federalism, the presidency, the Congress, the Judiciary, bureaucracy, interest groups and policy formation.

POS2625 Workshop in Student Government 0–1 cr
(PQ: consent of instructor) For student government members only.
Note: This course is designated as repeatable and may be repeated five times after the original taking of the course.

POS2695 Minnesota Legislative Internship 1–8 cr
(PQ: POS1005 or POS2005 or consent of instructor; internship forms required) Supervised work experience in the Minnesota legislature. Designed to provide a variety of experiences in the legislative process, research and political activity. Requires application both to the internship program at the State Capitol and to the university for approval. Credits may not be used to satisfy core curriculum requirements. May not be repeated for credit.

COURSE DESCRIPTIONS

POS3165 Political Thought **4 cr**
(PQ: HIS1005, HIS1825, or HIS1826) Course also listed as PHI3165. This course considers how individuals have thought and written about politics from a philosophical perspective. It seeks to understand both Ancient and Modern. It will also consider normative considerations about justice and the nature of political rights.

POS3205 International Relations since World War II** **4 cr**
 A study of the international community since the end of World War II with attention focused on national security in geopolitical terms, interdependence and the international economic system. Attention is paid to the United States, Russia, Europe, the Middle East, Central America, the Persian Gulf, Japan, international law and the United Nations.

Psychology

PSY1005 Introduction to Psychology# **4 cr**
 A study of human behavior. Consideration is given to methodology and concepts in the areas of learning, motivation, emotions, perception, intelligence and personality. Equivalent to PSY1009 (see College of Graduate, Online, & Adult Learning catalog).

PSY1106 Applied Psychology** **2 cr**
 An examination of the personal, social and professional applications of psychological concepts. Emphasis is upon personal growth and maturity.

PSY2105 Social Psychology** **4 cr**
(PQ: PSY1005) A study of behavior and cognition as a function of interpersonal relationships and group contexts. Topics include person perception, attitudes and attitude change and motivation of social behavior.

PSY2108 Lifespan Psychology# **4 cr**
 A study of the nature and implications of development from conception through death. Emphasis is upon cognitive, moral, spiritual, emotional, interpersonal and self development. Topics to be addressed include: stages of development from birth through adolescence; maturation during the college years; critical periods of adulthood, marriage and parenting; ageism and physiological processes of aging; death and dying.

PSY3135 Positive Psychology **4 cr**
(PQ: PSY1005) Positive psychology encompasses the study of positive experiences, positive character strengths, positive relationships, and the institutions and practices that facilitate their development, (including spiritual institutions and practices). This course will examine these positive domains that lead to human flourishing. Throughout the course students will engage in experiential learning and practical exercises to increase well-being, which will inform our theoretical and empirical understanding of important questions in positive psychology.

PSY3206 Psychology of Learning** **2 cr**
(PQ: PSY2108) An examination of various learning theories. Attention is given to the behavioral, cognitive, social learning and information processing approaches to learning. Students are encouraged to apply their understanding of different learning theories to clinical situations.

PSY3207 Abnormal Psychology^o **4 cr**
 An examination of the multidimensional determinants which influence the development of psychopathology. Students will explore assessment, diagnosis, and the conceptualization of disorders as defined by the Diagnostic Statistical Manual classification system. An

POS4625 Workshop in Student Government **0–1 cr**
(PQ: consent of instructor) For student government members only. **Note:** This course is designated as repeatable and may be repeated five times after the original taking of the course.

POS4995 Political Science Internship **1–8 cr**
(PQ: POS1005 or POS2005 and consent of faculty supervisor, and internship registration form) Supervised work experience in political science. **Note:** See page 25 for note regarding internships.

exploration of etiology, diagnostic considerations, and cultural factors will be emphasized. Clinical and scientific research will be examined to understand psychopathology and mental health.

PSY3208 Statistics for the Social Sciences^o **4 cr**
(PQ: recommend PSY2108; and ACT Math score of 18 or above [SAT Math score of 470 or above], C- or better in any college-level mathematics course, or high school cum GPA of 2.67 or higher) A course designed to introduce students to descriptive and inferential statistics used in research in the social sciences. Students will gain conceptual and working knowledge of measures of central tendency, standard deviation, z-scores, t-scores, correlation and regression, hypothesis testing, chi-square and one-way analysis of variance.

PSY3209 Physiological Psychology **4 cr**
(PQ: PSY2108) An examination of how psychological functioning impacts and is impacted by physiological functioning. Areas studied include central and peripheral nervous systems, sensation and perception and neuropsychological functioning, with an emphasis on brain-behavior relationships.

PSY3215 Interpersonal Psychology **4 cr**
(PQ: PSY2108 or consent of instructor) A survey of the various dimensions of human intimacy. The impact of psychological, biological and theological factors on relationships is examined with emphasis given to sexual function and dysfunction.

PSY3218 Psychology of Gender **2 cr**
(PQ: PSY2108) An examination of current approaches associated with the psychological and sociological study of gender. In this course we explore the ways in which men and women are different, study and critique theories that attempt to explain those differences and recognize how and when those differences are meaningful.

PSY3305 Research Methods in Psychology^o **4 cr**
(PQ: PSY3208) A course designed to acquaint students with the scientific method as it is applied to research in psychology. Application of research statistics is stressed. Students are taught to write their results according to A.P.A. guidelines.

PSY3308 Principles of Counseling^o **4 cr**
 A study of the clinical types of mental illness, the schools of psychotherapy and the theories and techniques of counseling. Emphasis is upon personality integration and the principles of mental health. Consideration is given to the legal, ethical and practical implications of counseling relationships. Reference is made to various personality tests.

- PSY3315 Counseling Children** **4 cr**
(PQ: PSY3308) Identification of childhood disorders and the development of appropriate treatment plans. Study of techniques of play therapy, art therapy and cognitive behavioral theory.
- PSY3317 Treatment of Special Populations.** **4 cr**
(PQ: PSY3308) An examination of issues and dynamics associated with understanding and treating persons dealing with death, dying, bereavement, child abuse and substance abuse.
- PSY3326 Psychology of Stress Management**** **4 cr**
This course examines the physiological, psychological and spiritual dimensions of stress and its management. Students are trained in practical stress management techniques. The relationship between stress, illness and pain management are considered.
- PSY3327 Psychology of Pain Management**** **4 cr**
This course examines various theories of pain and the use of the biopsychosocial model in the treatment of pain. Physiological, psychological and social causes of pain are considered in the context of a Christian worldview. Attention is given to the role of personality characteristics and pain. Methods of treating pain are examined.
- PSY3329 Professional Issues in Psychology** **4 cr**
(PQ: PSY3308) This course will consider the American Psychological Association's published Ethical Principles of Psychologists and the application of these principles in a clinical setting. This course will also address issues of cultural competence, limits of competence and topics in preparation for graduate school.
- PSY3615 Health Psychology Practicum**** **2 cr**
(PQ: PSY3326, PSY3327 and PSY3328) Supervised observation and experience in applications of health psychology concepts.
- PSY3835 Career Competencies Seminar.** **0 cr**
(PQ: minimum of junior standing) Orientation and preparation for an academic internship. To be completed the semester prior to enrolling in the internship course offered by the academic department.
- PSY4025 Foundations of Health Psychology**[◊] **4 cr**
An overview of the field of health psychology. Attention is given to the psychological factors related to the diagnosis, treatment, and prevention of disease and illness. The psychosocial factors that contribute to health and disease, health promotion, mind-body relationships, and various approaches to the prevention and treatment of physical illness will be examined. A Christian perspective on health and wellness is developed. Only offered through Adult Undergraduate (see College of Graduate, Online, & Adult Learning catalog).
- PSY4026 Stress Management Strategies**[◊] **4 cr**
Practical stress management techniques are addressed along with the relationships among stress, lifestyle, and chronic illness. A Christian worldview is explored as a foundation for stress management. Only offered through Adult Undergraduate (see College of Graduate, Online, & Adult Learning catalog).
- PSY4027 Pain Management Strategies**[◊] **4 cr**
Pain theories and interventions are explored through the biopsychosocial model and a Christian worldview. Various causes of pain are examined in relation to personality characteristics as well physiological and psychological dimensions. Only offered through Adult Undergraduate (see College of Graduate, Online, & Adult Learning catalog).
- PSY4305 Measurement and Assessment*** **4 cr**
(PQ: PSY3207 and PSY3208) Survey of basic concepts and principles of psychological measurement, including factors influencing validity and reliability. The student becomes acquainted with the administration and interpretation of tests which assess intellectual and personality functions.
- PSY4306 History and Philosophy of Psychology** **4 cr**
(PQ: PSY2108) An overview of the major schools of psychology and an examination of their philosophical, scientific and religious foundations. Students apply critical thinking skills to identify, compare, contrast and evaluate the underlying assumptions of the various schools of psychology and formulate their own philosophy of social science research.
- PSY4316 Marriage and Family Counseling** [◊] **4 cr**
(PQ: PSY3308 recommended or may be taken concurrently) Students examine theories and intervention techniques in marriage and family counseling. Methods of assessment are addressed. Specific issues facing couples and families are considered.
- PSY4318 Marriage and Family Dynamics** [◊] **4 cr**
(PQ: PSY3308 recommended or may be taken concurrently) This course examines the nature of marriage and family dynamics from a systems perspective. Sexuality and the role of marital quality upon the family unit are considered. Biblical principles for developing positive marriage and family dynamics are addressed.
- PSY4365 Family Communication and Relationships** [◊] **4 cr**
(PQ: PSY3308 recommended or may be taken concurrently) This course focuses on the psychosocial and spiritual foundations for healthy communication and interpersonal relationships within families. Strategies for developing appropriate problem solving and communication patterns are discussed.
- PSY4367 Intervention Strategies with Families** [◊] **4 cr**
(PQ: PSY3308 recommended or may be taken concurrently) This course is an examination of effective methods for addressing problems within families. Forms of neglect and abuse are examined and crisis intervention techniques are also considered. Case studies are used to apply interventions from a Christian worldview.
- PSY4407 Integration of Psychology and Theology**** [◊] **4 cr**
(PQ: PSY3207, ENG2205 or ENG2825, and junior standing) A study of the models, levels and areas in which integration of psychology and theology can occur. Particular attention is given to the biblical and psychological theories on motivation.
- PSY4425 Clinical Health Psychology**** [◊] **4 cr**
(PQ: PSY4025) This course addresses the common health psychology-related medical conditions and biopsychosocial treatments within a primary care context. A Biblical perspective is applied and integrated with prevention and intervention recommendations. Only offered through Adult Undergraduate (see College of Graduate, Online, & Adult Learning catalog).
- PSY4835 Senior Seminar in Psychology**^{OCE WCE} **4 cr**
(PQ: PSY3308; BIB4360 or BIB4825 or BIB4365 or BIB4460; ENG2205 or ENG2825; SPE1075 or SPE1825; senior standing) This seminar emphasizes the skills of critical thinking and oral and written communication at the senior level. Students investigate a variety of critical and controversial issues in psychology and conceptualize an integrative Christian response. Students are engaged in discussion groups, writing projects and a formal presentation to facilitate skill development.

COURSE DESCRIPTIONS

PSY4841 Directed Psychological Research I 1–4 cr
(PQ: PSY3305 and consent of instructor) Students work in a laboratory setting to develop and conduct an empirical research project. Students conduct background literature reviews in their specific area of interest, design an appropriate research method, obtain IRB approval of research, recruit participants and begin testing participants. Students will also complete the first half of the psychological research report, which includes the literature review and the Method section. **Note:** This course is designated as repeatable and may be repeated for up to 4 total credits.

PSY4842 Directed Psychological Research II 1–4 cr
(PQ: PSY3305 and consent of instructor) Students complete testing of study participants, analyze testing data, complete the written report (Results and Discussions sections) and submit the report for professional publication/presentation. **Note:** This course is designated as repeatable and may be repeated for up to 4 total credits.

PSY4995 Psychology Internship 1–8 cr
(PQ: consent of faculty supervisor and internship registration form) Supervised work experience in psychology. **Note:** See page 25 for note regarding internships.

Public Relations

Directed studies are available. See pages 26–27.

PRL2061 Multimedia Writing 4 cr
 An introduction to journalistic writing for various media platforms, with an emphasis on print and web. Basic news and feature writing are done as students consider structure, organization, fact-gathering and other components of the journalistic story.

PRL2085 Public Relations and Social Media Strategies. 4 cr
 The nature and role of public relations, activities of public relations professionals, major influences which affect organizational behavior and the ethics of public relations professionals. Examination and practice of skills and techniques used in the practice of public relations. Students begin developing a professional portfolio.

PRL2625 Public Relations Workshop 0–1 cr
 This course provides a hands-on experience in the operation of an in-house public relations agency. The main client is promoting and publicizing the activities of the Department of Communication and partnering with the other student-led workshops including Radio, TV/Video, Journalism and Film. Students choose from various PR activities including web strategy and content, social media, publicity, news, and research.

PRL3035 Nonprofit PR 2 cr**
 This course is structured to provide students with a thorough grounding in the principles and practice of two distinctive PR aspects of nonprofit organizations: fundraising (development) and volunteer relations. Students will consider development planning frameworks and a variety of conceptual tools before moving on to consider donor behavior (the underlying psychology and sociology) and each major form of fundraising in turn. The course will include an examination of the critical managerial and sectoral issues affecting the fundraising function, such as campaign integration and public trust and confidence. The course will then conclude with a discussion of best practices in volunteer recruitment, training, management, motivation, recognition, and relationship development.

PRL3187 Sport Public Relations 2 cr**
 This course focuses on developing the essential capabilities needed to serve as a communications consultant or employee for in the sports industry. The course is designed to help students gain experience in researching, planning, staging, scripting and critiquing the types of communications used by sports public relations professionals. Students should develop a strong understanding of the importance of communications—especially ethical communications—in sport public relations.

PRL3386 PR Events: Planning and Management* 4 cr
(PQ: consent of instructor) This course focuses on developing the essential capabilities needed to stage and execute a wide variety of events relevant to the public relations profession. The course is designed to help students gain experience in researching, planning, staging, scripting and executing an array of events used by public relations professionals. These include press conferences, speeches, ceremonies, media tours, professional conferences, events sponsorship and coordination with partner organizations. Discussion of public relations tactics is integrated into the course. Students should develop a strong understanding of the public relations process.

PRL3387 Political Communication* 2 cr
 This course focuses on developing the essential capabilities needed to serve as a communications consultant or employee on a political campaign or for a public affairs or public policy organization (special interest group). The course is designed to help students gain experience in researching, planning, staging, scripting and executing an array of communications used by public office seekers. Discussion of both political campaign principles and tactics is integrated into the course. Students should develop a strong understanding of the importance of communications in the political process.

PRL4308 Public Relations Research Methods 4 cr
(PQ: COM2107 and MAT2055 or PSY3208) Course also listed as COM4308. A survey and analysis of the most commonly used methods of social science inquiry relating to the public relations field. Both qualitative and quantitative methods are examined. Students produce and present original research projects.

PRL4385 Public Relations Cases and Crisis Communication 4 cr
 This course focuses on the analysis of public relations case studies with a special emphasis on strategic communication and crisis communication. Students should develop a strong understanding of the strategic communication planning process, including research, SWOT analysis, objective development, strategy and tactic development, budgeting, calendaring and evaluation.

PRL4625 Public Relations Workshop 0–1 cr
(PQ: PRL2625 or consent of instructor) This course provides advanced hands-on leadership experience in the operation of an in-house public relations agency.

PRL4855 Senior Capstone 3 cr
(PQ: PRL4385 or concurrently enrolled) A capstone experience for Public Relations students in their senior year. An original, individual project is planned and completed during the semester.

PRL4995 Public Relations Internship 1–4 cr
(PQ: junior or senior standing, consent of faculty supervisor, and internship registration form) Supervised work experience in public relations. **Note:** See page 25 for note regarding internships.

PRL4996 Event Planning Internship 1–4 cr
(PQ: junior or senior standing, consent of faculty supervisor, and internship registration form) Students gain hands-on experience in off-campus businesses and organizations, based on student interest and career objectives in event planning and management. **Note:** See page 25 for note regarding internships.

Reading Strategies

RDG0009 College Reading Strategies 1 cr
(Required of all new or transfer students with ACT Reading score of 18 or below [SAT EBRW score of 480 or below, or CLT Verbal Reasoning score of 18 or below] or if the student's high school cum GPA is 2.66 or below. An exception is new transfer students who

have 30 or more cumulative earned college-level credits at the time of matriculation to Northwestern.) A course designed to foster the development of college-level reading skills. Credits do not apply to degree requirements.

Science – General

SCI1006 Creative Explorations of Earth Science 2 cr
An introduction to earth science, including comparison of the standard evolutionary-uniformitarian interpretation of earth features with the catastrophic-creation account. The claims of both philosophies are examined by the observations of science. Includes rock formation, fossils, critique of dating methods and the geologic time column.

SCI1008/1008L Introduction to Scientific Thought \$** 4 cr
(PQ: one year of high school algebra and one year of high school geometry) An examination of the history, development, philosophy and practice of the natural sciences in the Western world from prehistory to the present day. Laboratory sessions will focus on fundamental concepts in astronomy, biology, chemistry, geology and physics. Three lectures and one two-hour lab per week. A \$200 laboratory fee required. Concurrent registration required in lecture and lab.

SCI1010/1010L Environmental Science^s 4 cr
Principles of the interrelationships between organisms and their environment. Discussion of issues including air and water pollution, waste disposal, population growth, resource management, public policy, ethics, and environmental stewardship. Three lectures and one two-hour lab per week. A \$200 laboratory fee required. Credit from SCI1029 (see College of Graduate, Online, & Adult Learning catalog) may **not** count toward/for SCI1010. Equivalent to SCI1015/1015L. Concurrent registration required in lecture and lab.

SCI1015/1015L Environmental Science and Sustainability[#] 5 cr
A study of the principles of sustainability and the effect of human systems on the interrelationships between organisms and their environment. Discussion of issues including air and water pollution, climate change, waste disposal, population growth, resource management, public policy, and ethics. This course fulfills the core curriculum Natural Science requirement within the Scientific & Quantitative Literacy section. Equivalent to SCI1010/1010L. Only offered through Dual Enrollment. Concurrent registration required in SCI1015 and SCI1015L.

SCI1045/1045L Medicinal Chemistry and the Drug Discovery Process^s . 4 cr
(PQ: One year of high school algebra recommended) Centered around a reading and discussion of *The Billion Dollar Molecule* by Barry Werth (a dramatic account of the race to develop a lifesaving immunosuppressant drug), this course offers a minimally technical treatment of the full sequence of events in the drug development pipeline from early discovery research through animal models, human clinical trials, regulatory approval, and postmarket analyses with accompanying dimensions of practical and subjective ethical significance. The scientific foundation includes introductory organic chemistry and exploration of how to quantify and control pharmacokinetic and pharmacodynamic properties such as absorption, distribution, metabolism, excretion, toxicity, and potency. The associated lab trains students in basic operations for the synthesis, purification, and characterization of chemical substances. A \$200 laboratory fee required. Concurrent registration required in lecture and lab.

SCI2108/2108L Concepts of Astronomy[#] 5 cr
(PQ: ACT Math score of 18 or above [SAT Math score of 470 or above], or high school cum GPA of 2.67 or higher, or consent of instructor) Fundamental concepts in astronomy. Topics covered will be selected from: the solar system, stellar objects, stellar systems, constellations, galaxies and cosmology. There will be some exploration of how the study of the heavens has informed religious thought. Only offered through Dual Enrollment. Includes lab. Concurrent registration required in lecture and lab.

SCI3037 Science and Theology 4 cr
Course also listed as PHI3037. In this course, students will explore the interdisciplinary dialogue between scientists and theologians on critical, moral, ethical, scientific and theological issues. The course will read and discuss current literature in Science and Theology and explore major issues in context of the historical and contemporary framework of both disciplines.

Sociology

SOC1035 Introduction to Sociology[#] 4 cr
A study of social organization, processes and control. Consideration is given to methodology and concepts in the areas of role and status, social and cultural change, deviancy and disorganization, urbanization and minority groups and primary groups and socialization. Equivalent to SOC1039 (see College of Graduate, Online, & Adult Learning catalog).

SOC2035 Social Problems 4 cr
A study of sociological and psychological concepts relating to social pathology, deviance, disorganization and control. Topics include problems such as chemical dependencies, suicide, family maladjustment, crime and juvenile delinquency and discrimination. Attention is given to the implications for various institutions.

COURSE DESCRIPTIONS

Spanish Directed studies are available. See pages 26–27.**SPA1001 Beginning Spanish I[#]** **4 cr**

An introduction to the Spanish language, its sounds, structures and vocabulary and to the culture of the Hispanic world. Emphasis on the use of the present tense. Students make use of the online program MySpanishLab. SPA1001 is the first of a two-semester course sequence.

SPA1002 Beginning Spanish II[#] **4 cr**

(PQ: SPA1001 or consent of instructor) An introduction to the Spanish language, its sounds, structures and vocabulary and to the culture of the Hispanic world. Emphasis on the use of the preterit and imperfect tenses and the distinction between the present indicative and subjunctive moods. Students make use of the online program MySpanishLab. SPA1002 is the second of a two-semester course sequence.

SPA2101 Intermediate Spanish I **4 cr**

(PQ: SPA1002 or completion of three years of Spanish during high school with minimum course grade average of B- or consent of instructor) This course reviews material and expands target language skills: reading, writing, listening, speaking. Authentic experiences, class discussions, and independent interests provide opportunities for individual oral and written expression. This course is virtually enhanced: approximately 20% of activity takes place in an online environment.

SPA2102 Intermediate Spanish II **4 cr**

(PQ: C or better in SPA2101 or consent of instructor) This course continues the development of target language communicative modes: presentational, interpretive, and interpersonal. A wide variety of topics provide opportunity for personalized oral and written expression. This course is virtually enhanced: approximately 20% of activity takes place in an online environment.

SPA3201 Spanish Grammar **4 cr**

(PQ: C or better in SPA2102 or waiver for SPA2102 by placement examination or consent of instructor.) The primary goal of this course

is to solidify the students' linguistic foundation by refining and deepening their grammatical knowledge, integrating this syntactical and semantic framework into their language production, and increasing their understanding of languages as dynamic systems thereby improving their Spanish language abilities in each communicative mode ultimately resulting in a fuller understanding of the Spanish language and its speakers. Course provides ample opportunities for cultural exploration and vocabulary development.

SPA3202 Spanish Conversation and Composition^{OCE WCE} **4 cr**

(PQ: ENG2205 or ENG2825; SPE1075 or SPE1825; C or better in SPA3201; or consent of instructor) Advanced practice in speaking and writing Spanish. Class discussions, compositions and individual presentations on cultural topics and contemporary issues in the Spanish-speaking world.

SPA3325 Latin American Short Stories **4 cr**

(PQ: C or better in SPA3201) A study of the Spanish short story with particular emphasis on the works of Latin American authors. In-depth study of a full length literary work of the student's choosing.

SPA3335 Spanish through Service **1–5 cr**

(PQ: consent of course instructor and internship registration form) Acquisition of knowledge of the Hispanic culture and application of Spanish communication skills in authentic contexts through service work in Spanish-speaking communities. **Note:** This course is designated as repeatable and may be repeated four times after the original taking of the course. See page 25 for note regarding internships.

SPA4845 Senior Project **2 cr**

(PQ: 20 credits of 2000-, 3000-, or 4000-level SPA-prefix courses and 8 credits of Semester in Spain [SIS] or Students International [SPN] courses) An individualized course in which the student researches an aspect of the language, culture, or people of the Spanish-speaking world. The student prepares a written report and gives a public presentation in the Spanish language.

Speech Directed studies are available. See pages 26–27.**SPE1075 Public Speaking[#]** **3 cr**

An introductory study and analysis of basic principles of effective communication with emphasis on public address, interpersonal and group communication. Class activities provide opportunities to develop skills in speech preparation and delivery, interpersonal and group communication. Students deliver self-introduction, informative, persuasive, group, and ceremonial speeches. Equivalent to SPE1079 (see College of Graduate, Online, & Adult Learning catalog).

SPE1825 Honors Public Speaking **3 cr**

(PQ: ACT Composite score of 27 or above [SAT score of 1280 or above or CLT score of 85 or above], or high school cum GPA of 3.7 or higher, or consent of instructor) An introductory study and analysis of basic principles of effective communication with emphasis on public address, interpersonal and group communication. Emphasis will be placed on research and critical thinking skills. Students deliver self-introduction, informative, persuasive, group, and ceremonial speeches. Attention will also be given to rhetorical analysis of contemporary speeches and to comparing Christian rhetoric and secular rhetoric. SPE1825 is a repeat of SPE1075.

SPE2625 Speech Workshop^{}** **0–1 cr**

Active participation in intercollegiate forensics competition as scheduled by the faculty. **Note:** This course is designated as repeatable.

SPE3176 Advanced Public Speaking and Speech Writing **4 cr**

(PQ: SPE1075 or SPE1825) Students build upon fundamental principles of effective speech preparation and delivery, applying them to professional contexts. Students learn how to write speeches for others considering the speaker's personality, style and the expectations created by the specific topic, audience, and occasion. Students view a number of great speeches of this century, critically analyzing the speeches and speakers.

SPE4625 Speech Workshop^{}** **0–1 cr**

Active participation in intercollegiate forensics competition as scheduled by the faculty. **Note:** This course is designated as repeatable.

Study Strategies

STS0009 Study Strategies 1 cr

(Successful completion of this course is required of new students admitted transitionally into the university. Transitionally admitted students who fail this course must repeat it in the subsequent semester. Required of all new or transfer students with ACT Composite score of 17 or below [SAT total of 940 or below], or high school cum GPA of 2.66 or below.) This course is designed to prepare students for college-level academic work and to improve study skills. Credits do not apply to degree requirements.

Theatre

THE1035 Introduction to Dance[§] 2 cr

This course is an introduction to dance designed to broaden student perspective on dance as an art form by examining dance from a critical perspective, surveying dance traditions from around the world and placing dance in a social, historical and cultural context. Students will also have the opportunity to explore movement through a basic introduction to theatre dance styles. A \$75 course fee required.

THE1045 Theatre Production and Performance 0–2 cr

An experiential learning course to provide the student with a practical application of theatrical theory. The student will develop skills and abilities for the theatre through supervised experience in a selected topic including: Performance, Stage Management, Costume Crew, Scene Crew, Lighting Crew, Sound Crew, Props Crew, Hair and Make-up Crew, or Stage Crew, etc. Student attends rehearsals and/or designated crew hour in regards to their assigned area. **Note:** This course is designated as repeatable.

THE1051 Acting I[§] 4 cr

Creative methods of role development, styles of acting from major periods of the theatre and play analysis. A \$75 course fee required.

THE1055 Introduction to Theatre^{§#} 2 cr

The experience and nature of theatre art and functions of the audience, actor, director, designer and playwright in contemporary drama. A \$50 course fee required.

THE1057 Improvisation[§] 2 cr

This course is designed to introduce students to the art of improvisation. Students will learn to work creatively without a script. The focus of the class will be on theatre games and improvisational exercises. There will be some emphasis on character development and rehearsal techniques. Students will work extensively with acting partners and improvisational teams. This course is designed for students desiring to enhance their communication skills, acting skills and overall performance effectiveness. A \$75 course fee required.

THE2035 Movement for the Actor[§] 2 cr

(PQ: THE1051) An investigation into the fundamentals of human movement and issues of movement in performance. Exercises concentrate on the development of spatial and self-awareness, ensemble skills and group problem solving. A \$75 course fee required.

THE2037 Tap Dance[§] 2 cr

This course is an introduction to the basic components of Broadway style tap dance technique with an emphasis on basic terminology, foot and leg coordination, rhythmic awareness and timing and standard tap dance combinations. **Note:** This course is designated as repeatable. A \$75 course fee required.

THE2038 Ballet[§] 2 cr

This course is an introduction to ballet technique, based on the study of the fundamental principles, practices and vocabulary from the Russian school. Emphasis is placed on establishing proper alignment, rotation/turnout, increasing flexibility, building core strength and stamina and developing artistry. **Note:** This course is designated as repeatable. A \$75 course fee required.

THE2039 Jazz Dance[§] 2 cr

This course introduces students to the movement style of the jazz vernacular. Dancers engage in classical jazz technique rooted in the combination of both European and African dance traditions embodying syncopated rhythms and musicality, body isolation and improvisation. **Note:** This course is designated as repeatable. A \$75 course fee required.

THE2045 Children's Theatre* [§] 2 cr

The course focuses on the methods and materials of producing plays for children, including audience analysis, script analysis, design, rehearsal and performance. A \$75 course fee required.

THE2055 Stage Combat[§] 2 cr

An introduction and exploration of technical and aesthetic aspects of stage combat. Goals include developing the ability to safely portray violence onstage within the context of a play with specificity and dramatic power, as well as to understand how stage combat fits into the practice of theater as a whole. Other aspects include the development of strength and flexibility, eye/hand coordination, understanding and applications of principles of safety in working with a partner and learning how to advance a character journey and develop ensemble work through each individual move in a fight sequence. A \$75 course fee required.

THE2065 Stage Management 2 cr

This course will explore the tools and techniques involved in stage-managing a theatrical production. Subjects will include effective communication with directors, designers and actors; managing rehearsals, production meetings, keeping a prompt book and calling the cues for a production.

THE2152 Acting II[§] 4 cr

(PQ: THE1051) Students will build upon precepts from Acting I to explore various acting methods from Stanislavski to Grotowski, expand analysis skills through scene study and continue to develop skills through monologue work. Students will also learn how to use their bodies and voices to develop flexible and expressive instruments that serve the text. A \$75 course fee required.

COURSE DESCRIPTIONS

THE2165 Introduction to Stage Technologies[§] 4 cr
This course introduces students to the methods of designing, planning, construction, painting, rigging and shifting stage scenery for the theatre. A \$75 course fee required.

THE3011 Directing[§] 4 cr
Students will study the art of play analysis and directing live theatre for the stage through play analysis, leadership, interpretation, communication and staging. A \$75 course fee required.

THE3037 Dance History and Perspectives 4 cr
A survey of the history of dance beginning with its origins, through the evolution of dance as a theatre art form, including the history of European ballet traditions during the Renaissance through the 20th century, birth of modern dance, history of American jazz dance, American ballet traditions and Post Modern dance trends.

THE3067 Playwriting[§] 2 cr
The study and practice of playwriting fundamentals; emphasizes the one-act play. A \$75 course fee required.

THE3075 Theatre Study Tour 2 cr
This course consists of touring a nationally or internationally prominent center of professional theatre activity. Participants will study theatre productions that have premiered in domestic and international markets. Participants will also meet current professionals in the field who apply their crafts in those markets. **Note:** This course is designated as repeatable.

THE3125 Dance Theatre Ensemble 0–1 cr
(PQ: audition required) Dance Theatre Ensemble serves as the official dance performance company of the Department of Music & Theatre. The ensemble includes the preparation and performance of varied styles of dance presented in a concert dance context culminating in a main stage performance. Students will perform the work of UNW dance faculty as well as guest artists. Interested students may also apply as a student choreographer to present original work through a mentorship process with faculty. **Note:** This course is designated as repeatable.

THE3135 Modern Dance[§] 2 cr
This course is a basic introduction to modern dance technique and is designed to heighten the awareness of the body, build physical and aesthetic movement skills and stimulate creativity. Emphasis will be placed on the study of the fundamental principles, practices and vocabulary that comprise modern dance technique through movement investigations that explore the basic principles of space, time and energy. **Note:** This course is designated as repeatable. A \$75 course fee required.

THE3145 Advanced Theatre Production and Performance 0–2 cr
(PQ: THE1045) An advanced practical experience utilizing theatrical theory. Students will build high-impact skillsets through hands-on learning in production leadership roles in a specific area: Performance, Design, Stage Management, Costume Crew, Scene Crew, Lighting Crew, Sound Crew, Props Crew, Hair and Make-up Crew, or Stage Crew, showing proficiency in production-specific duties, rehearsals and meetings, and designated crew hour in their assigned area/role. **Note:** This course is designated as repeatable.

THE3152 Advanced Acting Styles[§] 4 cr
(PQ: THE1051 or consent of instructor; may be repeated for credit) Advanced training techniques in acting applied to a wide range of dramatic genres. Students must participate in a semester recital. **Note:** This course is designated as repeatable and may be repeated four times after the original taking of the course. A \$75 course fee required.

THE3155 Acting for the Camera[§] 2 cr
(PQ: THE1051) A study of specific theories, techniques and approaches to acting for the camera. The emphasis will be on scene study and reacting to the works of others as well as your own. A \$75 course fee required.

THE3158 Design for the Theatre* [§] 2 cr
(PQ: THE1055) Course will expand on design skills in the theatre by introducing students to the industry standard of Computer Aided Design (CAD), including how CAD operates and how theatrical design is accomplished. Students will use knowledge of theatrical lighting, scenic and props design, to draft and build designs within CAD. **Note:** This course is designated as repeatable and may be repeated one time after the original taking of the course. A \$75 course fee required.

THE3166 Theatre Management* 4 cr
(PQ: THE1055) The course provides a comprehensive picture of theatre management, including current technologies used in theatre, efficient use and maintenance of physical space and organization and budgeting for shows.

THE3181 Theatre History to 1850^{OCE} 4 cr
(PQ: SPE1075 or SPE1825) The course focuses on the development of theatre history from Greeks until the 1850s. Dramatic literature, production methods and key contributors of each period will be discovered and studied through reading, viewing and/or producing plays.

THE3282 Theatre History after 1850^{WCE} 4 cr
(PQ: ENG2205 or ENG2825) The course focuses on the development of theatre history from the 1850s until today. Dramatic literature, production methods and key contributors of each period will be discovered and studied through reading, viewing and/or producing plays.

THE3625 Music Theatre Workshop[§] 4 cr
Designed to provide the singer/actor/dancer training in singing, acting and performance techniques using musical theatre literature research and material, emphasizing the coordination of dialogue, melody, lyric, staging and choreography. As a practical workshop course, students will prepare and present as soloists as well as members of small groups and larger ensembles for class presentation and critique. Additional focus includes the audition process, musical theatre history and repertoire. Finally, the class will participate in a working presentation and culminating showcase performance: Musical Cabaret at the end of the year. **Note:** This course is designated as repeatable and may be repeated one time after the original taking of the course. A \$75 course fee required.

THE4135 Choreography^s **4 cr**
(PQ: THE1035) This course is designed to give students the basic knowledge and skills they need to develop an independent creation of choreography and performance of choreographic work. Teaching studio techniques will also be explored. A \$75 course fee required.

THE4312 Advanced Directing^s **2 cr**
(PQ: THE3011) Builds on Directing course and allows a workshop environment designed to provide the student-director with a high level of experimentation in solving more advanced problems and styles. Advanced Directing culminates in the direction of a one-act play in the spring festival offered every other year. A \$75 course fee required.

THE4835 Senior Seminar^s **2 cr**
(PQ: senior standing) This seminar will serve as a culminating experience for theatre majors. Emphasis placed on Christian worldview in theatre arts and career. A \$75 course fee required.

THE4995 Theatre Performance Internship **1–4 cr**
(PQ: consent of faculty supervisor and internship registration form) Supervised advanced training in the performance theatre career; paid and unpaid experience; provides transition from educational to professional world in acting. **Note:** See page 25 for note regarding internships.

THE4997 Dance Performance Internship **1–4 cr**
(PQ: consent of faculty supervisor and internship registration form) Supervised advanced training in a performance dance career; paid and unpaid experience; provides transition from educational to professional world in acting. **Note:** see page 25 for note regarding internships.

Youth Studies

YOU2205 Serving Youth and Emerging Adults* **2 cr**
 This course provides an introduction to biblical, philosophical, and theoretical foundations for serving youth and emerging adults. Various models of ministry are presented alongside current research and practice. Students consider their call to serve youth in various contexts alongside trends in social, cultural, and developmental norms. Students create a personal philosophy related to discerning how to effectively navigate discipleship, influence, and formation of youth.

YOU3206 Contemporary Issues and Interventions with Youth* **2 cr**
 This course examines issues that youth encounter related to development, culture, social realities, family dynamics, trauma, and generational differences. The role contemporary issues play in the identity development and day-to-day lives of youth is also addressed alongside strategies for prevention, intervention, and referral.

YOU3207 Spiritual Lives of Youth* **2 cr**
 This course examines healthy youth faith formation from biblical, theoretical, and practical lenses. The role faith formation plays in the overall development of youth is emphasized alongside effective models and typical challenges youth face related to faith formation. An emphasis on the impact of familial, peer, and faith community influence is emphasized.

YOU3208 Leading Youth and Emerging Adults*^{OCE} **4 cr**
(PQ: SPE1075 or SPE1825, or YOU3206 or YOU3207). This course is designed to prepare students for effective leadership with youth and emerging adults. Attention is given to effective ministry planning, practices, implementation, administration, leadership, and understanding the tasks of leading youth in the local church and parachurch/non-profit organizations. Students articulate their call and direction for leading youth and develop a philosophy of youth ministry to prepare them for leadership with youth and emerging adults.

ADDITIONAL PROGRAMS

Additional Programs

While studying at Northwestern, students may choose from study abroad and off-campus program options available in over 25 countries around the world to complement their academic studies. Please refer to Study Abroad and Off-Campus Programs (pages 20, 37–38) for a list of partners that offer accredited coursework that can be transferred to Northwestern. Below are descriptions of additional programs where students can earn Northwestern credits. Contact the Center for Global Programs at global@unwsp.edu for more information.

American Studies Program

The American Studies Program (ASP) utilizes Washington, D.C. as its primary classroom. ASP brings together students from around the globe, spanning a vast array of majors, experiences, and perspectives. ASP emphasizes the importance of Christ-like bridge-building within the political arena. By living and learning together, students are enriched in their intellectual curiosity and intercultural competence. Students explore their foundational convictions and what it means to be a renewing presence in the world. Belief is put into action through mindful engagement and civil discourse with those who think, believe, look, and vote differently than oneself.

ASP students enroll in four courses: Public Policy, Christian Civility in Polarized Times, Professional Development, and an extensive internship opportunity in Washington, D.C. ASP students earn 12–16 semester hours of credit. See ccuglobaled.org for details and related information on pages 19–20 and 37–38.

PG: MINIMUM OF SOPHOMORE STANDING AND ACCEPTANCE INTO PROGRAM BY CCCU; STUDENTS ARE REQUIRED TO MAINTAIN A GPA OF AT LEAST 2.75 ON A 4.0 SCALE, REGARDLESS OF MAJOR.

ASP3715	Christian Civility in Polarized Times	3 cr	ASP3720	Public Policy	3 cr
ASP3719	Internship in DC.	6–9 cr	ASP3718	Professional Development	1 cr

Au Sable Institute (ASI)

Au Sable Institute is an institution designed to promote Christian environmental stewardship through college courses, certification programs, internships, workshops, and conferences. Supported by the natural settings of the Great Lakes Forest of northern Michigan, participants take courses, engage in scholarship, gain field experience, confer, and develop practical tools for environmental stewardship in programs that take seriously both science and theology. For details, see ausable.org and the chair of the Department of Biology & Biochemistry. See related information on pages 20, 37–38.

ASI3010	Land and Water Resources	4 cr	ASI3580	Field Techniques in Wetlands	4 cr
ASI3020	Lake Ecology and Management	4 cr	ASI3590	Marine Mammals	4 cr
ASI3030	Ecological Agriculture	4 cr	ASI3610	Field Biology in Spring	4 cr
ASI3040	International Development and Environmental Sustainability.	4 cr	ASI3620	Environmental Applications for Geographic Information Systems.	4 cr
ASI3100	Environmental Law and Policy	4 cr	ASI3650	Insect Ecology.	4 cr
ASI3110	Field Botany	4 cr	ASI3680	Forest Ecology	4 cr
ASI3180	Marine Biology	4 cr	ASI3710	Forest Management	4 cr
ASI3210	Animal Ecology	4 cr	ASI3900	Directed Individual Study	1–4 cr
ASI3220	Aquatic Biology	4 cr	ASI3910	Research Methods I	2 cr
ASI3300	Geographic Information Systems	4 cr	ASI3920	Research Methods II.	2 cr
ASI3320	Environmental Chemistry.	4 cr	ASI4710	Conservation Biology.	4 cr
ASI3420	Fish Ecology and Management.	4 cr	ASI4780	Alpine Ecology	4 cr
ASI3430	Sustainability, Tropical Agriculture, and Missions . 4 cr		ASI4820	Restoration Ecology	4 cr
ASI3450	Wildlife Ecology	4 cr	ASI4990	Research	1–6 cr
ASI3540	Environmental Justice.	4 cr			

Forest Springs Camp & Conference Center (CFS)

Forest Springs' mission is to provide programs and facilities in a camping environment with a trained, service-oriented staff who use the Word of God to help initiate faith and cultivate maturity in Jesus Christ. As an affiliate member institution, Northwestern students can participate in the LTD program, which prepares participants for effective ministry in Christian camping or related fields. The program strengthens Christian leadership qualities through classroom instruction, informal discussion, and hands-on experiences.

The concentration requirement of the Ministry major or Youth Studies major may be satisfied by completing the camping concentration at Forest Springs Camp & Conference Center located in Westboro, Wisconsin, along with other courses as listed in the Ministry program requirements (see pages 137, 139–141). Requires application to and acceptance by Forest Springs Camp & Conference Center. See related information on pages 20, 37–38.

CFS3000	Camp Management.	1.5 cr	CFS3410	Camp Organization	3 cr
CFS3100	Camp Maintenance.	1.5 cr	CFS3420	Camp Administration	1.5 cr
CFS3200	Promotion and Public Relations.	1.5 cr	CFS3500	Camp Programming	2 cr
CFS3300	Food Service Management.	1.5 cr	CFS3600	Camp Teaching.	0.5 cr
CFS3400	Camp Counseling	1.5 cr	CFS3700	Camp Health and Risk Management.	0.5 cr

Middle East Studies Program

Located in Amman, Jordan, the Middle East Studies Program (MESP) gives students the opportunity to experience the daily life, language, food, culture, religion and politics of a city with ancient roots and modern significance. With travel throughout Jordan, and to other locations in the Middle East, you will learn firsthand from local people how to work, play and serve in the region, as you grow in how to be a neighbor and embrace difference. MESP students earn 16–18 semester hours of credit. See cccuglobaled.org for details and related information on pages 20, 37–38.

PQ: MINIMUM OF SOPHOMORE STANDING AND ACCEPTANCE INTO PROGRAM BY CCCU; STUDENTS ARE REQUIRED TO MAINTAIN A GPA OF AT LEAST 2.75 ON A 4.0 SCALE, REGARDLESS OF MAJOR.

MES1725	Introduction to Arabic Language	4 or 6 cr	MES3726	Conflict and Change in the Middle East	4 cr
MES3725	Islamic Thought & Practice	4 cr	MES3727	Peoples and Cultures of the Middle East	4 cr

Students International

Students International (SI) is a mission and community development organization with operations in various countries, including Costa Rica and Guatemala. SI's passion is to provide students with opportunities to participate in ministry and service sites that are related to their personal, academic, and vocational interests.

Costa Rica:

In semester-long academic programs, students are mentored by SI full-time staff members as they serve in Costa Rica. SI provides student experiences that are transformative spiritually, academically, vocationally, and personally while simultaneously focusing on Christ-centered ministry through SI's presence within the San Jose, Costa Rica community. See study.stint.com/semester-costa-rica-spring/ for details and related information on pages 20, 37–38.

Spanish majors may pursue SI as one of two tracks for the Spanish major. See page 79.

Spanish Education majors may pursue SI as one of two tracks for the Spanish Education major. See page 123.

Non-Spanish majors pursue the following:

SIA3015	Incarnational Mission: Biblical Perspectives on International Ministry to the Poor	3 cr	SIA3025	Peoples and Cultures of Costa Rica	3 cr
			SIA4995	International Internship in Costa Rica	4 cr

Non-Spanish and non-Spanish Education majors complete 6 credits (two courses) from the following (based on placement testing once in Costa Rica). Note: SPN3015, SPN3025, SPN3640 (4 cr), SPN4010, and SPN4995 are excluded as these are taken only by Spanish and Spanish Education majors.

SPN1110	Beginning Spanish I	3 cr	SPN3520	Hispanic World Today	3 cr
SPN1120	Beginning Spanish II	3 cr	SPN3530	Literature and Culture of Spain I	3 cr
SPN2110	Intermediate Spanish I	3 cr	SPN3540	Literature and Cultures of Latin America	3 cr
SPN2120	Intermediate Spanish II	3 cr	SPN3600	Spanish for Native Speakers	3 cr
SPN3010	Spanish Grammar Review	3 cr	SPN3630	Literature and Cultures of Spain II	3 cr
SPN3015	Mission in Latin American Contexts	4 cr	SPN3640	Literature and Cultures of Latin America II	3–4 cr
SPN3025	Peoples and Cultures of Costa Rica	4 cr	SPN4010	Advanced Spanish Grammar and Communication	4 cr
SPN3220	Spanish Conversation and Composition	3 cr	SPN4580	Contemporary Spanish-American Writers	3 cr
SPN3230	Intermediate Spanish Conversation and Composition	3 cr	SPN4600	Spanish Phonetics	3 cr
SPN3500	Communication in Spanish	3 cr	SPN4610	Advanced Spanish Grammar	3 cr
SPN3510	Composition and Grammar Review	3 cr	SPN4995	International Internship in Costa Rica	2 cr

Guatemala:

In partial- or semester-long academic programs, students are mentored by Guatemalan and US American SI staff in Guatemala. SI provides student experiences that are transformative spiritually, academically, vocationally, culturally and personally while focusing on Christ-centered ministry through SI's presence in Magdalena, a small rural community in Guatemala. See <https://stint.com/where-to-serve/guatemala/> for details and related information on pages 20, 37–38.

SPN3017	Mission in Latin American Contexts	4 cr	SPN3647	Literature and Cultures of Latin America II	3–4 cr
SPN3260	Peoples and Cultures of Guatemala	3 cr	SPN3970	Internship in Guatemala	4 cr
SPN3300	Transformational Development	3 cr	SPN4017	Advanced Spanish Grammar and Communication	4 cr

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