

CATALOG 2024-2025

Traditional Undergraduate & Dual Enrollment





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

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Traditional Undergraduate Academic Calendar

Fall 2024

August 28–December 19, 2024

August	14	Arrival/Orientation — Football
	15	Arrival/Orientation — Fall sports (except football)
	20	Orientation — New Commuting On-Campus DE Students
	23	Residence Hall Open — New Students
	23-27	Orientation — Residential On-Campus DE Students
	23-27	Orientation — New Students
	26-27	Residence Halls Open — Continuing Students
	28	SEMESTER BEGINS — FALL 2024
	28	Courses Begin — Fall Semester & Quad 1
	29	Add Deadline — New Students Initial Registration
September	2	No Classes — Labor Day
	5	Add/Drop Deadline — Quad 1 Courses
	11	Add/Drop Deadline — Fall Semester Courses
October	2	Withdrawal Deadline — Quad 1 Courses
	17-18	Final Exams* — Quad 1 Courses
	18	Courses End — Quad 1 Courses
	19-22	No Classes — Mid-Semester Break
	23	CLASSES RESUME — FALL SEMESTER COURSES
	23	Courses Begin — Quad 2 Courses
	30	Add/Drop Deadline — Quad 2/Extended# Courses
November	8	Withdrawal Deadline — Fall Semester Courses
	13	Advising Day No Daytime Classes — Classes Beginning After 3 p.m. Meet
	18	Registration Opens — Spring and Summer 2025
	27-Dec 1	No Classes — Thanksgiving Recess
December	2	Withdrawal Deadline — Quad 2/Extended# Courses
	13	Courses End — Fall Semester & Quad 2
	16-19	Final Exams — Fall Semester & Quad 2
	19	SEMESTER ENDS — FALL 2024
	20	Commencement
	20	Residence Halls Close
	20-Jan 12	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 2025

January 13–May 15, 2025

January	10	Residence Halls Open — New Students
	10-12	Orientation — Residential On-Campus DE Students
	11	Orientation — New Commuting On-Campus DE Students
	11	Orientation — New Students
	12	Residence Halls Open — Continuing Students
	13	SEMESTER BEGINS — SPRING 2025
	13	Courses Begin — Spring Semester & Quad 3
	15	Add Deadline — New Students Initial Registration
	20	No Classes — Martin Luther King Jr. Day
	21	Add/Drop Deadline — Quad 3 Courses
	27	Add/Drop Deadline — Spring Semester Courses
February	17	Withdrawal Deadline — Quad 3 Courses
March	4-5	Final Exams** — Quad 3 Courses
	5	Courses End — Quad 3 Courses
	6-16	No Classes — Mid-Semester Break
	17	CLASSES RESUME — SPRING SEMESTER COURSES
	17	Courses Begin — Quad 4 Courses
	24	Add/Drop Deadline — Quad 4/Extended# Courses
April	3	Withdrawal Deadline — Spring Semester Courses No Daytime Classes — Classes Beginning After 3 p.m. Meet
	10	Day of Prayer & Service No Daytime Classes — Classes Beginning After 3 p.m. Meet
	15	Advising Day
	17	Registration Opens — Fall 2025
	18-21	No Classes — Easter Recess
	24	Withdrawal Deadline — Quad 4/Extended# Courses
May	8	Courses End — Spring Semester & Quad 4
	9	No Classes — Study Day
	12-15	Final Exams — Spring Semester & Quad 4
	15	SEMESTER ENDS — SPRING 2025
	17	Commencement

Summer 2025

May 19–August 26, 2025

May	19	Courses Begin — Summer 2025
	26	No Classes — Memorial Day
June	4	Courses Begin — Nursing Extended
	19	No Classes — Juneteenth
July	4	No Classes — Independence Day
	30	Withdrawal Deadline — Summer 2025
August	26	Courses End — Summer 2025
September	30	Courses End — Nursing Extended

Dual Enrollment (DE) Online Courses

Academic Calendar

Fall 2024

August 28 –December 19, 2024

August	28	SEMESTER BEGINS – FALL 2024
	28	Courses Begin – Fall Semester & Quad 1
	28-Sept 1	Orientation – DE Online Activities
September	5	Add/Drop Deadline – Quad 1 Courses
	11	Add/Drop Deadline – Fall Semester Courses
October	2	Withdrawal Deadline – Quad 1 Courses
	18	Courses End – Quad 1 Courses
	23	Courses Begin – Quad 2 Courses
	23-25	Orientation – Quad 2 Online Activities
	30	Add/Drop Deadline – Quad 2 Online Courses
November	8	Withdrawal Deadline – Fall Semester Online Courses
	18	Registration Opens – Spring and Summer 2025
	23-Dec 1	No Classes – Thanksgiving Recess
December	2	Classes Resume
	2	Withdrawal Deadline – Quad 2 Online Courses
	19	SEMESTER ENDS – FALL 2024
	20	Commencement
	20-Jan 12	No Classes – Christmas Recess

Spring 2025

January 13–May 15, 2025

January	13	SEMESTER BEGINS – SPRING 2025
	13	Courses Begin – Spring Semester & Quad 3
	13-17	Orientation – DE Online Activities
	21	Add/Drop Deadline – Quad 3 Online Courses
	27	Add/Drop Deadline – Spring Semester Online Courses
February	17	Withdrawal Deadline – Quad 3 Courses
March	7	Courses End – Quad 3 Courses
	8-16	No Classes – Mid-Semester Break
	17	Classes Resume
	17	Courses Begin – Quad 4 Online Courses
	17-20	Orientation – Quad 4 Online Activities
	24	Add/Drop Deadline – Quad 4 Online Courses
April	3	Withdrawal Deadline – Spring Semester Online Courses
	12-20	No Classes – Easter Recess
	17	Registration Opens – Fall 2025
	21	Classes Resume
	24	Withdrawal Deadline – Quad 4 Online Courses
May	15	SEMESTER ENDS – SPRING 2025
	17	Commencement

Summer 2025

May 19–August 26, 2025

May	17-18	Orientation – DE Online Activities
	19	SEMESTER BEGINS – SUMMER 2025
	19	Courses Begin – Semester & Quad 5 Courses
	27	Add/Drop Deadline – Quad 5 Courses
June	2	Add/Drop Deadline – Semester Courses
	19	No Classes – Juneteenth
	24	Withdrawal Deadline – Quad 5 Courses
July	3	Courses End – Quad 5 Courses
	29	Withdrawal Deadline – Summer Semester Online Courses
August	26	SEMESTER ENDS – SUMMER 2025

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 & 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.
- Approved by the State of Minnesota Department of Veteran Affairs for the training of veterans as well as survivors and dependents of veterans.

The Accreditations & Memberships information may be found in its entirety at unwsp.edu/about-us/accreditations-and-memberships/.

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 the University of Northwestern's ninth president in August 2022. A respected leader in Christian higher education and world missions for over 30 years, Dr. Hoornbeek is a grounded, yet relational individual who cares deeply about holistic student development and growth. Together with his wife of 30 years, Heather, the Hoornbeeks are the proud parents of three adult children.

Dr. Hoornbeek became a classically trained musician throughout his adolescent and early college years, earning a bachelor's degree in music from the University of Michigan. He then went on to seminary to pursue a Master of Arts degree in Theological Studies at Covenant Theological Seminary in St. Louis, Mo. before completing his educational training at Dallas Baptist University, where he was awarded a Ph.D. in Leadership Studies. Hoornbeek's personal interests include classical music, running, the outdoors, and spending time with Heather and their family.

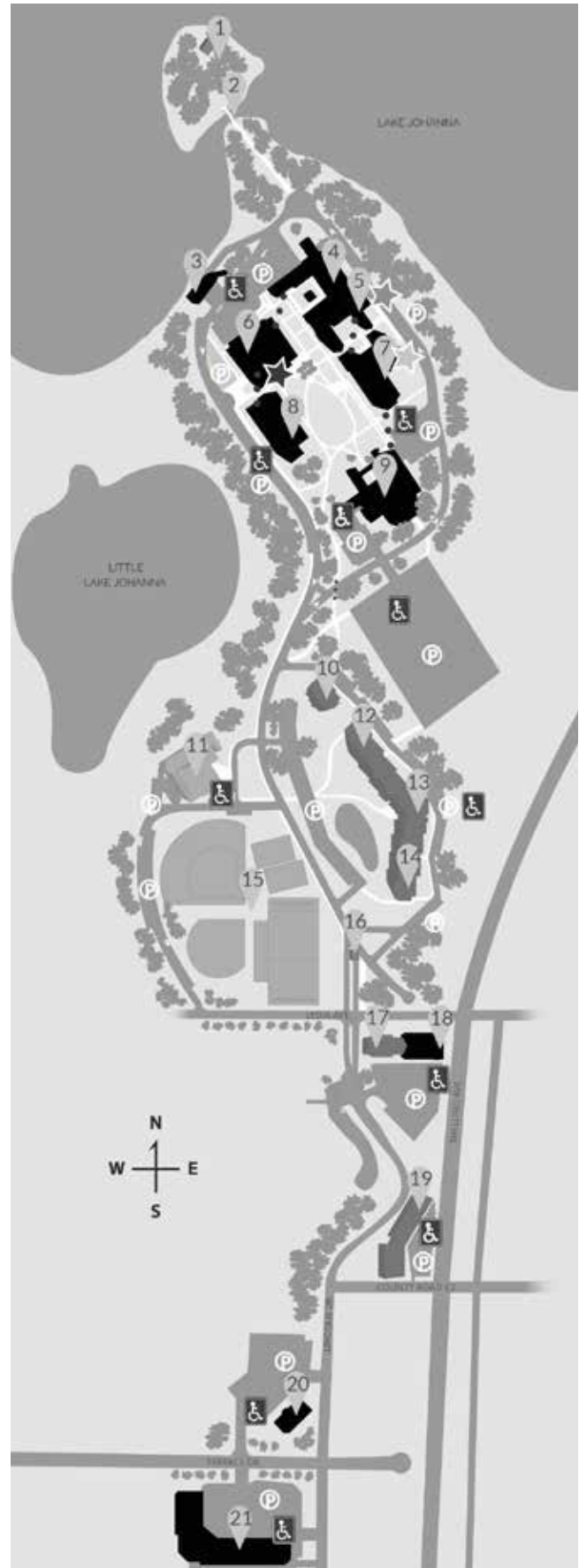
Prior to his arrival at Northwestern, Dr. Hoornbeek served as Vice President for University Advancement at Azusa Pacific University, where he directed the university's fundraising, alumni, and parent engagement activities and programs. Dr. Hoornbeek's career highlights also include more than a decade with The Navigators, a global, interdenominational missions agency with over 7,000 internationally and ethnically diverse staff serving in 107 countries. During his Navigators tenure, Hoornbeek traveled extensively throughout the world, interacting cross-culturally with global missions in Africa, Asia, and Europe.

As part of his duties at UNW, Dr. Hoornbeek also serves as president of Northwestern Media, a ministry of University of Northwestern – St. Paul. The media ministry reaches nearly three million listeners with the truth and love of Jesus Christ—on the air and worldwide over the Internet—through over 110 radio signals and licenses in 11 states that offer encouraging and uplifting music, biblical teaching, and dynamic listener engagement.

CAMPUS MAP

Campus Map

- 1** **Island Chapel**
- 2** **Island Bridge**
- 3** **Powerhouse**
- 4** **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
Disability Services
Financial Aid
Great Room
Office of Dual Enrollment
Registrar's Office
Science Labs
Writing Center
- 5** **Nazareth Chapel & Great Room**
- 6** **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
- 7** **Billy Graham Community Life Commons**
Classrooms
Dining Center
Heritage Cafe
Mail Center
Office of Admissions
Print Center
Student Life
- 8** **Berntsen Library**
Archives
Classrooms
Library
- 9** **Riley Hall**
Academic Offices
Alumni Engagement
Business Offices
Classrooms
Computer Labs
Executive Offices
Parent Engagement
Public Safety
UMAC
- 10** **Moyer Hall**
Residence
- 11** **Ericksen Center**
Academic Offices
Athletic Offices
Classrooms
Gymnasium
Weight/Wellness Room
- 12** **Hartill Hall**
Residence
- 13** **Robertson Student Center**
Classrooms
Conference Rooms
Eagle's Nest Dining Center
Fitness Center
Recreation Rooms
Student Chapel
- 14** **Knutson Hall**
Residence
- 15** **Reynolds Field**
Athletic Complex
Baseball Field
Football/Soccer Field
Softball Field
Tennis Courts
- 16** **Security Checkpoint**
- 17** **Ramseyer Hall**
Residence
- 18** **Mel Johnson Media Center**
Academic Offices
Classrooms
Film, Radio, & TV Studios
Northwestern Media
- 19** **Akenson Hall**
Residence
- 20** **Wilson Center**
Nursing Labs
Nursing Learning Center
School of Nursing Offices
Student Chapel
- 21** **Rosedale Square North**
Engineering Classrooms
Engineering Labs
Engineering Offices



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 traditional students and PSOC students living on campus. Some chapels feature outside speakers, such as visiting scholars, ministers, missionaries, or community leaders. Others include presentations by musical groups, faculty/staff, 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 are here to come alongside students in times of illness, injury, and mental health needs, while we work to educate, support, and encourage our students to cultivate healthy lifestyles now and into the future as they lead in their home, church, community, and world. 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. Health Services is located in Akenson Hall, Room 103. Further details about the scope of our available services are 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 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.
- **Multicultural 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.

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 & Leadership Development

The Career & Leadership Development Department supports the University's mission to equip 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. Career & Leadership Development assists students through personalized coaching, engaging events, relevant tools and resources, and the coordination of experiential learning opportunities (internships, study abroad, and service learning) to

- discover their God-given design and how it influences academic and career direction
- choose and/or confirm an area of study

- gain relevant experience outside of the traditional classroom
- research employers, industries, or marketplace trends
- develop key competencies and professional skills
- evaluate and prepare for graduate and professional programs
- make meaningful connections with alumni and employers

Students planning to participate in International Internships or Study Abroad experiences should make contact with Career & Leadership Development several months in advance in order to receive information about fees, deadlines, and application processes. To be eligible for off-campus study programs, UNW students need a minimum GPA of 2.25 and must meet the respective program's qualifications. Eligibility for financial aid requires that students complete a minimum of one semester at Northwestern as a matriculated student prior to their off-campus study experience.

Career & Leadership Development tools and resources are available via MyUNW, including access to Handshake, where, in addition to searching for jobs and internships, students can schedule virtual and in-person appointments with Career & Leadership Development staff, including for study abroad, and register for events. Career & Leadership Development's main office is Nazareth Hall N4106. Visit or email career@unwsp.edu for more information.

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. They may work for most computing, but in many programs, they will not provide needed functionality). This laptop must be able to connect to the university network 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 digital identity (UNW account) that is granted access to university technology 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. The UNW account must be protected with supported multifactor authentication, either through a smart phone application or alternative method. 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 is located on the first floor inside the Billy Graham Community Life Commons and is the one-stop shop for all your academic and spirit wear needs. We provide Northwestern-branded apparel, school supplies, gifts, snacks, and textbooks to students, faculty, staff, and alumni.

The store partners with students to help them achieve academic success through providing for purchase all required course materials including new, used, and rental textbooks as well as eTextbooks. All books and required materials may be ordered online through our website or purchased in store. In addition, during finals week each semester the store hosts a textbook buyback in which students may sell their textbooks back for cash dependent on our needs.

Please visit our website for more information campusstore.unwsp.edu/home.

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.

CAMPUS LIFE**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 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 insurance carrier first, and then a secondary claim can be submitted if needed. Claims must be filed within 180 days after the day of service 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:

- If at college, report immediately to Health Services so that proper treatment and/or referral can be prescribed or recommended. Athletes should contact Ashley Harich, Athletic Trainer, alharich@unwsp.edu.
- 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.

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.

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 & Leadership 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 enrolled in any educational program at UNW under a student VISA are also eligible for on-campus employment. 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 & Leadership 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 & Leadership Development job board and made available to all students. The university does not permit job postings on bulletin boards without the approval of Career & Leadership Development.

For more information, please stop by Career & Leadership 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. This requirement will be waived if the applicant has
 - earned a previous Bachelor's degree or
 - completed 60 or more collegiate semester credits that are transferable to Northwestern.
4. Transcripts for all courses attempted, whether high school or college.
5. A minimum 2.50 high school 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.

Note: Northwestern does not enroll students into degree-seeking programs under the age of compulsory school attendance in Minnesota (age 17) who have not yet earned a high school diploma.

Supplemental Lab Courses

Students with a high school GPA below 3.0 and fewer than 30 earned college credits are required to enroll in HIS1005L Historical Perspectives Lab (taken concurrently with HIS1005 Historical Perspectives on Culture, Belief, and Civilization), which must be successfully completed in the first semester or repeated in the second semester.

Students with a high school GPA below 3.0 are also required to take the UNW placement exams in English and mathematics.

Students who do not achieve a satisfactory score on the UNW English placement exam will be required to enroll in ENG1107L English Composition Lab, (taken concurrently with ENG1107 College Research & Writing), which must be successfully completed during the first four semesters.

Students who do not achieve a satisfactory score on the UNW mathematics placement exam will be required to enroll in either MAT1005L Mathematics for the Liberal Arts Lab (taken concurrently with MAT1005 Mathematics for the Liberal Arts) or MAT1035L Business Mathematics Lab (taken concurrently with MAT1035

Business Mathematics), depending on the core curriculum mathematics requirement for the major. The mathematics lab course must be successfully completed during the first four semesters.

Requirements for students taking one or more supplemental lab courses in their first semester will include:

- 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

Provisional Admission

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

ADMISSION TO THE TRADITIONAL UNDERGRADUATE PROGRAM**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 ENG1107 and LAN1107L.

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 131.

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 131.

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 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

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 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.

ADMISSION TO THE TRADITIONAL UNDERGRADUATE PROGRAM | UNIVERSITY COSTS

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 2024–2025 school year.

Nursing Tuition & Related Charges

FALL, SPRING, SUMMER 2024–2025 TUITION
 12–18 billed/attempted credits \$18,490
 Per credit 19 or over \$990
 Per credit 11 or fewer \$1,540

POST-BACCALAUREATE PER SEMESTER (FALL, SPRING, SUMMER)
 (per NUR credit) \$645

NURSING ADMINISTRATIVE FEE* \$1,000
 (one-time, non-refundable; excludes post-baccalaureate nursing)

CLINICAL FEE (per clinical course) \$260

CLINICAL MAKEUP FEE (per hour) \$50

NURSING ATI FEE (per term) \$725

*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/attempted credits \$18,490
 Per credit 19 or over \$990
 Per credit 11 or fewer \$1,540
 Summer school per credit \$555

HOUSING
 Standard Room \$3,350

MEAL PLAN REQUIREMENTS*

Residential Students	Dining Funds	Dining Fee	Total Cost/ Semester
First Year Resident	\$1,933	\$484	\$2,417
Non-First Year Resident (<21 AS OF FIRST DAY OF FALL CLASSES)	\$1,525	\$380	\$1,905
Non-First Year Resident (≥21 AS OF FIRST DAY OF FALL CLASSES)	\$310	\$78	\$388
Commuter Students:	Dining Funds	Dining Fee	Total Cost/ Semester
First Year Commuter	\$335	\$84	\$419
Non-First Year Commuter	\$310	\$78	\$388
PSEO Commuter (OPTIONAL)	\$109	\$20	\$129

UNIVERSITY COSTS

***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 (for each absence; not to exceed \$140 per Quad)	\$20
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)	\$200
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)	\$800
Parking Fee Commuter (PER SEMESTER)	\$160
Parking Fee Resident (PER SEMESTER)	\$190
Payment Plan Fee	\$50
Replacement ID Card	\$25
Student Activity Fee (PER SEMESTER; EXCLUDES POST-BACCALAUREATE NURSING)	\$105
Technology Fee—Resident (PER SEMESTER)	\$165
Technology Fee—Commuter (PER SEMESTER)	\$120
Transcript Fee	varies by service requested

COURSE/PROGRAM-RELATED

ANI, ART, and DES Lab Fee (PER COURSE)	\$100
ART2048 Ceramics I Course Fee	\$150
ART3243 Ceramics II Course Fee	\$150
Ensemble Fee (Amata Women's Chorale, Con Brio Men's Chorus, Chamber Singers, Jazz Ensemble, Northwestern Choir, Orchestra, Symphonic Band)	\$10–\$15
BIO4841 Research Fee	\$200
Biology – Summer Field Biology Fee	\$300
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 EGR4841, 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
MUP3695, MUP4695 Recital Fee	\$200
MUP4696 Recital Fee	\$400
PHE1056 Bowling 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)	\$450
Theatre/Dance Performance Fee (PER COURSE)	\$75
Theatre Study Tour Trip Fee (PER SEMESTERS 1 AND 2. FIRST-TIME ENROLLED ONLY. STUDENTS EXITING THE THEATRE PROGRAM PRIOR TO SCHEDULED TRIP MAY REQUEST REFUND ON THE THEATRE STUDY TOUR TRIP FEE. AMOUNT RETURNED IS EVALUATED ON A CASE-BY-CASE BASIS.)	\$2,000
THE1055 Theatre Course Fee	\$50
Tutorial Processing Fee	\$50

SUMMARY OF TRADITIONAL UNDERGRADUATE CHARGES FOR THE YEAR

Tuition (non-nursing)	\$36,980
Room	\$6,700
Board	\$4,834
Technology Fee	\$330
Health Fee	\$400
Student Activity Fee	\$210
Total	\$49,454

Dual Enrollment Tuition & Other Charges

TUITION	
Per Online Credit	\$455

EARLY COLLEGE TUITION

Per Online Credit	\$240
<i>Early College students pay for their own textbooks.</i>	

OTHER CHARGES

Graduation Fee – Administrative (UNDERGRADUATE)	\$75
Online Course Technology Fee (PER CREDIT)	\$15

UNIVERSITY COSTS**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, 2024 and full payment for spring semester by January 31, 2025. 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, 2024 and January 30, 2025 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 2024–2025 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 2024-2025 Refund Schedule

SEMESTER COURSES

	% REFUND	FALL	SPRING
Week 1-2	100%	- Sept 11	- Jan 27
Week 3	70%	Sept 12-18	Jan 28-Feb 3
Week 4	60%	Sept 19-25	Feb 4-10
Week 5	40%	Sept 26-Oct 2	Feb 11-17
Week 6	20%	Oct 3-9	Feb 18-24
Week 7	0%	Oct 10 or after	Feb 25 or after

QUAD* COURSES

	% REFUND	Q1 (Fall)	Q2 (Fall) & Extended Registration	Q3 (Spring)	Q4 (Spring) & Extended Registration
Days 1-6	100%	- Sept 5	- Oct 30	- Jan 21	- Mar 24
Days 7-8	70%	Sept 6-9	Oct 31 - Nov 3	Jan 22-23	Mar 25-26
Days 9-10	60%	Sept 10-11	Nov 4-5	Jan 24-27	Mar 27-30
Days 11-13	40%	Sept 12-16	Nov 6-10	Jan 28-30	Mar 31 - Apr 2
Days 14-15	20%	Sept 17-18	Nov 11-13	Jan 31 - Feb 3	Apr 3-6
Day 16	0%	Sept 19 or after	Nov 14 or after	Feb 4 or after	Apr 7 or after

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

Nursing Program Summer 2024-2025 Refund Schedule

NURSING SUMMER 2024 SEMESTER REFUND (Term 1: Begins May 20)

NURSING SUMMER 2024 SEMESTER REFUND (Term 4: Begins June 4)

% Refund			% Refund		
Week 1-2	100%	- June 3	Week 1-2	100%	- June 17
Week 3	70%	June 4-June 10	Week 3	70%	June 18-25
Week 4	60%	June 11-17	Week 4	60%	June 26-July 2
Week 5	40%	June 18-25	Week 5	40%	July 3-10
Week 6	20%	June 26-July 2	Week 6	20%	July 11-17
Week 7	0%	July 3 or after	Week 7	0%	July 18 or after

NURSING SUMMER 2025 SEMESTER REFUND (Term 4: Begins June 3)

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

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. The majority of 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.

(NOTE: THE AID PROGRAMS LISTED ARE EFFECTIVE FOR THE 2024–2025 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. 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 2024. Financial aid recipients prior to fall 2024 are governed by the scholarship names and terms awarded when they enrolled.

FIRST-TIME FRESHMEN*

Scholarships are based on unweighted high school cum GPA.

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 3.9 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. There are specific policies followed for the awarding of aid for study abroad and off-campus study. Students should contact the financial aid office to find out how financial aid will be awarded for study abroad and off-campus study.

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) Credits

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 page 15 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	67%

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

NORTHWESTERN SCHOLARSHIPS

Myers Scholarship, Gifford and Carol
 Ness Scholarship, Helen
 Nicoll Scholarship, George and Amber
 Norberg Scholarship, Edith B.
 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, WNW-C-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 better 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 choose how their name appears on their diploma (e.g. using their middle name or maiden name). 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 page 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. The availability of courses in different modalities varies by program area. These definitions articulate a university-wide understanding of each modality.

- **Face-to-face:** Instruction maximizes the unique advantages of live, in-person engagement. Course learning activities take place during scheduled meeting times at a pre-assigned meeting place. In-person class attendance is required.
- **Blended:** Instruction combines in-person engagement with online learning activities in order to maximize the benefits of both modes of learning. In-person class attendance is required, and online learning activities may be either synchronous or asynchronous.
- **HyFlex:** Instruction maximizes student choice and flexibility by providing multiple attendance options within the same course. Students may choose their attendance method each week (or perhaps biweekly) as determined by the faculty member, and students may select from face-to-face, online synchronous, or online asynchronous.
- **Online Synchronous:** Instruction combines the flexibility of remote learning with the immediacy and interaction provided by synchronous engagement. Class attendance is required via remote meetings that are facilitated through online meeting software. Previously, this modality was referred to as virtual.
- **Online Asynchronous:** Instruction maximizes scheduling flexibility by designing all learning activities to be completed at the learner's convenience while using 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" (pages 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 register during their scheduled registration times according to the following order:

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

*Also includes accelerated dual degree students (60+ earned credits), associate degree students (30+ earned credits), Eagle Scholars Honors students, and students qualifying for early registration through the Academic Achievement office.

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 better 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 better.

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 Course	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

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 4 credits of college-level academic work completed with a grade(s) 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. make contact with his/her advisor to determine any grade requirements for their major coursework, and
3. 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.

ACADEMIC STANDARDS

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).

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 and Adult & Graduate Studies 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 and Adult & Graduate Studies 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, 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.
4. 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:

Bret Hyder
Office of Student Experience/Title IX Coordinator
Billy Graham Community Life Center G108
3003 Snelling Ave North, St. Paul, MN 55113
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
plferrin@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>

ACADMIC STANDARDS

RETENTION & GRADUATION RATES

Retention and graduation rates may be found at:
unwsp.edu/admissions/financial-aid/student-consumer-info/

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 2023, including pass rates of 2021–2022 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 (INCLUDES TRANSFER CR & CR-BY-EXAM)	Minimum Cumulative GPA Required for Good Standing
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 (INCLUDES TRANSFER CR & CR-BY-EXAM)	Minimum Cumulative GPA Required for Good Standing
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	Withdrew 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 better 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

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

HOPE School of the Bible
Jackson Hole Bible College, Jackson, WY
Minnesota Adult & Teen Challenge, Minneapolis, MN
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

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 better) 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 Career & Leadership Development at career@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.

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.

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.

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.

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.

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 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. In semester-long academic programs, students are mentored by SI full-time staff members as they serve in Costa Rica and Guatemala. 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 community.

SPECIAL PROGRAMS**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 with Northwestern coursework that is completed online.

Two programs are available for public, private, and home-schooled high school juniors and seniors, which allows them to complete college courses to fulfill their high school graduation requirements. The Postsecondary Enrollment Options (PSEO) program allows Minnesota high school residents to take college courses. Tuition and most materials are paid by the state. PSEO course credits must be applied to the student's high school transcript. The Early College (EC) program allows high school students to take additional university courses at a reduced credit rate. EC students pay for course materials and any fees and these courses may also be applied to the student's high school transcript, if the high school allows.

Traditional undergraduate students have the option to take online courses through Dual Enrollment, but additional fees may apply. Students should consult with their academic advisor for guidance.

Since online course offerings may change each year, students should contact the Office of Dual Enrollment for the most up-to-date course listing. Current offerings include courses that meet undergraduate core curriculum requirements (see pages 41–44), as well as requirements in many academic programs (i.e., majors, minors, etc.).

While anyone with a high school diploma or its equivalent, or accepted into the PSEO or Early College program, may take individual courses, those desiring to apply DE courses toward a degree program at Northwestern must be admitted to the university according to regular admission criteria. Taking and passing DE courses without being admitted to Northwestern does not imply admissibility to the institution, grant eligibility to complete a certificate or degree program, and does not allow participation 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 178-179.

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
ACL	Ancient and Classical Languages
ANI	Animation & Illustration
ART	Art
ASI	Au Sable Institute
ATH	Athletics / Intercollegiate
BIA	Biblical Arts
BIB	Bible
BIO	Biology
BUS	Business
CFD	Child and Family Development Education
CHE	Chemistry
CHN	Chinese
COM	Communication
COS	Computer Science
CRJ	Criminal Justice
CYS	Cybersecurity
DAL	Data Analytics
DES	Design
EAR	Visual Arts Education
ECE	Early Childhood Education
ECO	Economics
EDE	Communication Arts/Literature Education
EDL	English as a Second Language Education
EDU	Education
EEL	Elementary Education
EGR	Engineering
ENG	English
EPH	Physical Education
ESL	Teaching English to Speakers of Other Languages
FIN	Finance
GEO	Geography
GST	General Studies
HCM	Healthcare Management
HIS	History
HPE	Health/Physical Education
HSC	Health Sciences
ICS	Intercultural Studies
IDS	Interdisciplinary Studies
KIN	Kinesiology
LAN	Languages and Cultures
LDR	Leadership

LIN	Linguistics
LIT	Literature
LTH	Literary Theory
MAE	Mathematics Education
MAT	Mathematics
MCH	Music in the Church
MDS	Multi-Disciplinary Studies
MEN	Music Ensembles
MEP	Media Production
MGT	Management
MIN	Ministry
MIS	Management Information Systems
MKT	Marketing
MTC	Music Theory and Composition
MUE	Music Education
MUH	Music History
MUL	Music Literature
MUP	Music, Applied
MUS	Music, General
NUR	Nursing
PHE	Physical Education, Activity Courses
PHI	Philosophy
PHY	Physics
POS	Political Science
PRL	Public Relations
PSY	Psychology
SCI	Science, General
SIA	Students International Abroad
SOC	Sociology
SPA	Spanish
SPD	Special Education
SPN	Spanish
SSE	Social Studies Education
STS	Study Skills
THE	Theatre
WLE	World Language Education
YOU	Youth Studies

A LIST OF PLANNED COURSE OFFERINGS (X-CHART), AVAILABLE ON THE REGISTRAR'S OFFICE MYUNW PAGE 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 academic 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, 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 53-55 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.

<p>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 Historical Theology or BIB4460 Biblical Theology (or BIB6312U for Accelerated/Dual Degree B.A./M.Div. program) 4 Theological Philosophy (select from list on page 43) 4</p> <p>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</p> <p>Effective Communication 3 cr COM1075 Public Speaking (or COM1825 Honors) 3</p>	<p>Critical Thinking & Information Literacy 4–5 cr (reinforces Effective Communication outcomes) ENG1107 College Writing & Research and, if required, ENG1107L English Composition Lab or LAN1107L English Composition Lab 4-5</p> <p>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 Cultural & Global Engagement/Modern World Language (select from list on page 43) 2</p> <p>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.</p> <p>Scientific & Quantitative Literacy 8 cr Mathematics, Natural Science, Social Science (select from list on page 44) . 8 MUST INCLUDE AT LEAST ONE MATHEMATICS AND ONE NATURAL SCIENCE COURSE. EXCLUDES BIO1025.</p>
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Core Curriculum

CATEGORY COURSE LISTINGS

The below course listing relates to the core curriculum requirements on pages 42, 82, 87, and 122

BIBLICAL THINKING & LIVING

Theological Philosophy

BIA5021U	Apologetics	.....2 cr	PHI3025	God and Philosophy	.....2 cr
BIB Topics in Bible as approved by core curriculum committee			PHI3028	The Problem of Suffering	.....2 cr
PHI2005	Introduction to Philosophy**	.....4 cr	PHI3035	Metaphysics	.....2 cr
PHI2006	Fundamentals of Logic	.....2 cr	PHI/SCI3037	Science and Theology	.....4 cr
PHI2016	Ethics	.....4 cr	PHI3057	Christian Apologetics	.....2 cr
PHI2055	Introduction to Theological Philosophy	.....2 cr	PHI3145	The Nature of Knowledge	.....2 cr
PHI3015	Early Philosophy	.....2 cr	PHI Topics in Philosophy as approved by core curriculum committee		
PHI3016	Modern Philosophy	.....2 cr			

CULTURAL & GLOBAL ENGAGEMENT

COM3107	Intercultural Communication4 cr	MIN3207	Ministry in a Globalized World2 cr
EDU3209	Human Relations in a Cross-Culturally Diverse World	.2 cr	MIN5610U	Ministering Culturally and Globally2 cr
EDU3209L	Human Relations Lab0 cr	MUH3106	Music in World Cultures2 cr
EDU3225	Educating Multilingual Learners2 cr	NUR3317	Serving Transcultural Populations4 cr
HIS3155	History of East Asia4 cr	SSE2005	Cultural History of Minnesota2 cr
HIS3156	History of Russia from Earliest Times to the Present	.4 cr	THE3075	Theatre Study Tour2 cr
ICS2015	World Religions	.....4 cr	Modern language courses (e.g., CHN, SPA prefix)	
ICS2045	Socio-cultural Anthropology	.....4 cr	Study abroad courses* from the below:	
ICS3005	Human Global Migration	.....2 cr	American College of Greece – Greece	
ICS3015	Race and Ethnicity in America	.....4 cr	API (Academic Programs International)	
ICS3016	Understanding Islam	.....2 cr	CCCU GlobalEd – (approved for experiences at international locations)	
ICS3027	Global Peoples and Cultures	.....2-3 cr	CEA (Cultural Education Abroad) – Europe and South America	
ICS3067	Social Justice	.....2 cr	ISA (International Studies Abroad) – Asia, Europe, Pacific, Central and South America	
ICS3068	Relief and Development	.....2 cr	Jerusalem University College	
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 Literature2 cr			
MEP3805	Special Topic: Global Media Ministry2 cr			

CREATIVE EXPRESSION

Art, Music, Theater, Film, Literature

Any ART-prefix course(s) except ART4855, ART4995			MUH3106	Music in World Cultures	.....2 cr
COM2007	Introduction to Film	.....2 cr	Music Ensembles MEN: 3001, 3002, 3003, 3030, 3040, 3041 (MAXIMUM OF 2 CREDITS MAY APPLY TOWARD CREATIVE EXPRESSION)		
COM2008	Film Appreciation**	.....3 cr	SPA3325	Latin American Short Stories	.....4 cr
DES1031	Introduction to Layout	.....2 cr	SSE2005	Cultural History of Minnesota	.....2 cr
DES2111	Introduction to Graphic Design	.....2 cr	Study Abroad courses* from the below:		
ENG2215	Writing Creative Nonfiction	.....2 cr	Liverpool Hope University (Liverpool & The Arts: Creative Lab) .3 cr		
ENG2216	Writing of Poetry	.....2 cr	THE1035	Introduction to Dance	.....2 cr
ENG2217	Writing of Fiction	.....2 cr	THE1045	Theatre Production and Performance (MAXIMUM OF 2 CREDITS MAY APPLY TOWARD CREATIVE EXPRESSION)	
Any LIT-prefix course(s)			THE1051	Acting I	.....4 cr
MDS1825	Honors Big Ideas Through the Creative Lens	.....2 cr	THE1055	Introduction to Theatre	.....2 cr
MEP1012	Audio Production	.....3 cr	THE2045	Children's Theatre	.....2 cr
MEP1013	Video Production	.....4 cr	THE3181	Theatre History to 1850	.....4 cr
MEP1016	Story Structure	.....4 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
PSY3005	Statistics and Research 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
SCI1008	Introduction to Scientific Thought	2 cr
SCI1010/1010L	Environmental Science/Lab	4 cr
SCI1015/1015L	Environmental Science and Sustainability/Lab**	5 cr
SCI1045	Medicinal Chemistry and the Drug Discovery Process	2 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	Socio-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

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 121. 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 121.

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. Exam may only be taken one time.
- 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

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 on page 47.

Eligibility for Honors Courses

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

English Placement

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	CLT Grammar/Writing Test Score	High School Cum GPA	TOEFL (Internet-based)	English Course
18 & below	500 & below	25 & below	20 & below	2.66 & below	–	ENG1107, 1107L
18 & below (non-native speakers of English)	–	25 & below	20 & below	–	70 & below	ENG1107/ LAN1107L
19 & above	510 & above	26 & above	21 & above	2.67 & above	–	ENG1107

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. Minors in Ancient and Classical Languages, International Studies, and Teaching English to Speakers of Other Languages 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 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 COM1075/1825 and ENG1107. 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 55–130.

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: MAT2055: minimum ACT mathematics score of 18 [SAT mathematics score of 470] or PSY3005: 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: PSY3005: prerequisite of ACT mathematics score of 18 or above (SAT mathematics score of 470 or above).

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.

TRADITIONAL UNDERGRADUATE CREDIT REQUIREMENTS

Traditional Undergraduate Credit Requirements

BACHELOR'S DEGREES MAJORS	CORE CURRICULUM*	MAJOR	ELECTIVES**	FOREIGN LANGUAGE	TOTAL
Accounting	55	70-95	-	-	125-150
Animation & Illustration	53	50	22	-	125
Art	53	43	29	-	125
Biblical & Theological Studies#	53	38	26	8	125
Biochemistry	53	47-48	24-25	-	125
Biology##	53	49-58	14-23	-	125
Business Administration# ##	55	26-66	4-14	-	125
Communication Arts/Literature Education	55	74	-	-	129
Communication Studies	55	45-50	20-25	-	125
Computer Science	53	49	23	-	125
Criminal Justice##	55	47-51	19-23	-	125
Cybersecurity & Information Systems##	53	51	21	-	125
Elementary Education##	57	72-84	-	-	129-141
Engineering##	53	76	-	-	129
English##	53	40-48	24-32	0-16	125
English as a Second Language Education	55	62	-	8	125
Finance# ##	55	60	10	-	125
Graphic Design	53	50	22	-	125
Health Sciences	53	45-46	26-27	-	125
History	53	46	26	-	125
Intercultural Studies# ##	53	30-31	41-42	-	125
Interdisciplinary Studies	53	48	24	-	125
Kinesiology##	53	37-51	21-35	-	125
Marketing# ##	55	59-62	8-11	-	125
Mathematics, Applied	53	48	24	-	125
Mathematics Education	57	68	-	-	125
Media Production##	53	45-50	22-27	-	125
Ministry# ##	53	44	28	-	125
Music, Composition (B.Mus.)	53	64-70	2-8	-	125
Music (BA/BS)##	53	39-45	27-33	-	125
Music Education (B.M.E.)##	55	87-97	-	-	142-152
Music Performance (B.Mus.)##	53	62-69	3-10	-	125
Nonprofit Leadership#	53	46-50	22-26	-	125
Nursing	59	64	2	-	125

TRADITIONAL UNDERGRADUATE CREDIT REQUIREMENTS

Traditional Undergraduate Credit Requirements (continued)

BACHELOR'S DEGREES MAJORS	CORE CURRICULUM*	MAJOR	ELECTIVES**	FOREIGN LANGUAGE	TOTAL
Pastoral Ministry [#]	53	50	22	-	125
Philosophy	53	32	32	-	125
Physical Education & Health	57	91	-	-	148
Politics, History, and Economics	53	50	22	-	125
Psychology ^{##}	53	40	32	-	125
Social Studies Education	55	72	-	-	127
Sports Management	53	50	22	-	125
Theatre ^{##}	55	50	22	-	125
Visual Arts Education	55	74	-	-	129
Youth Studies ^{# ##}	53	46-48	24-26	-	125
ASSOCIATE DEGREES	CORE CURRICULUM*	MAJOR	ELECTIVES**	FOREIGN LANGUAGE	TOTAL
Associate of Arts & Bible	49-51	-	11	-	60-62
Associate of Arts in Liberal Studies	33-35	15 ¹	12	-	60-62
Associate of Science in Computer Science	33-35	28	-	-	61-63
CERTIFICATE PROGRAMS	CORE CURRICULUM*	MAJOR	ELECTIVES**	FOREIGN LANGUAGE	TOTAL
Bible	30 ³	-	-	-	30
Healthcare Management	16-20	-	-	-	16-20

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 ENG1107L OR LAN1107L; 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

Bachelor's Degree Programs

Major page #

Accounting*	94	Kinesiology**	88
Animation & Illustration	55	Marketing* **	98
Art	56	Mathematics, Applied	80
Bible (second major only)	121	Mathematics Education	109
Biblical & Theological Studies	120	Media Production**	59
Biochemistry	76	Ministry* **	125–126
Biology**	77–78	Music	69
Business Administration* **	95–96	Music, Composition (B.Mus.)	68
Communication Arts/Literature Education	105	Music Education (B.M.E.)**	70–71, 110–111
Communication Studies	58	Music Performance (B.Mus.)**	72
Computer Science	81	Nonprofit Leadership*	127
Criminal Justice**	90	Nursing	115–118
Cybersecurity & Information Systems**	82	Pastoral Ministry*	128
Elementary Education**	106–107	Philosophy	121
Engineering**	84–85	Physical Education and Health	112
English**	61–63	Politics, History, and Economics	65
English as a Second Language Education	108	Psychology**	91
Finance* **	97	Social Studies Education	113
Graphic Design	57	Sports Management	89
Health Sciences	79	Theatre**	74
History	64	Visual Arts Education	114
Intercultural Studies* **	124	Youth Studies* **	129–130
Interdisciplinary Studies	86		

*Accelerated/Dual Degree Program Available

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

Associate Degree & Certificate Programs

Associate of Arts & Bible	122
Associate of Arts in Liberal Studies	87
Associate of Science in Computer Science	82
Certificate in Bible	122
Certificate in Healthcare Management	96

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 – ENG1107 College Writing & Research or ENG2205 Critical Thinking and Writing;
- Oral communication emphasis – COM1075 Public Speaking or COM1825 Honors Public Speaking. Both designations may apply to the same course.

Minors

Minor	page #
Accounting	94
Ancient and Classical Languages	120
Animation	55
Art	56
Bible	121
Biology	79
Business Administration	96
Chemistry	79
Child Development	105
Children and Family Ministry	130
Coaching	89
Communication	59
Computer Science	81
Criminal Justice	90
Cybersecurity	83
Dance	74
Data Analytics	83
Design	57
English	63
Entrepreneurship	96
Environmental Science	79
Finance	97
Healthcare Management	96
Health Education	112
Health Sciences	79
History	65
Illustration	55
Intercultural Studies	124
International Studies	130
Journalism	60
Leadership	99
Literature	63
Marketing	99
Mathematics, Applied	80
Media Production	60
Ministry	126
Museum Studies and Public History	66
Music	73
Music Composition	73
Nonprofit Leadership	127
Philosophy	121
Physical Education	112
Political Science	65
Pre-Athletic Training	89
Pre-Law	66
Psychology	91
Science	79
Science and Theology	79, 120
Social Engagement	130
Songwriting	73
Special Education	114
Speech	59
Sport Communication	60
Teaching English to Speakers of Other Languages	63
Theatre	74
Writing	63
Youth and Emerging Adult Ministry	130

Study Abroad and Off-Campus Programs

See pages 20, 37–38, 192–193.

Traditional Undergraduate Academic Colleges

The traditional undergraduate curriculum and faculty of University of Northwestern – St. Paul 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 61

Chair: Matthew L. Miller, Ph.D. (Interim)

Department of **History & Related Fields** page 64

Chair: Matthew L. Miller, Ph.D.

Department of **Music & Theatre** page 67

Chair: Kristen M. Bugos, Ph.D.

College of Behavioral & Natural Sciences

Dean: Kirk D. Moss, Ph.D.

Department of **Biology & Biochemistry** page 76

Chair: Jason A. Draper, Ph.D.

Department of **Computing, Analytics, & Mathematics** page 80

Chair: Michael L. Jacobson, Ph.D. (Interim)

Department of **Engineering** page 84

Chair: Michael L. Jacobson, Ph.D.

Department of **Interdisciplinary Studies** page 86

Chair: Daniel R. Crane, Ph.D.

Department of **Kinesiology, Sports Management, & Physical Education** . . page 88

Chair: Bradley D. Ruiter, B.S.

Department of **Psychology, Criminal Justice, & Law Enforcement** . . page 90

Chair: Don F. Johnson, Ph.D.

College of Professional Studies

Dean: TBD

School of Business	page 93
Assistant Dean: Jessa A. Nelson, Ph.D.	
School of Education	page 100
Assistant Dean: Lara J. Bronson, Ed.D.	
School of Nursing	page 115
Assistant Dean: Santhiny Rajamohan, Ph.D.	
School of Theology & Ministry	
Department of Biblical & Theological Studies	page 119
Chair: Bradley L. Sickler, Ph.D.	
Department of Christian Ministries	page 123
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 61

Department of **History & Related Fields** page 64

Department of **Music & Theatre**. page 67

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	Select from the following..... 10 cr
History & Theory 10 cr	ANI3015 Illustration .....2
ANI1005 Animation Principles and Trends .....2	ANI3106 Motion Design.....4
ART3267 Themes in Art History [WCE] .....4	ANI3303 3D Modeling .....4
MEP1016 Story Structure .....4	ANI4302 Advanced Animation & Illustration II.....4
Required Production 14 cr	ANI4995 Animation & Illustration Internship 1-2
ANI1105 Animation I.....4	ART2031 Painting I .....3
ANI2201 Animation II.....4	ART3112 Drawing II.....2
ANI3201 Advanced Animation & Illustration I .....4	MEP1012 Audio Production .....3
DES2235 Digital Illustration .....2	MEP3135 Single Camera Production.....3

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 Art 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	Production	24 cr
ART1011 Drawing I.....	4	Select from the following:	
ART1035 Design Concepts.....	4	ART2031 Painting I.....	3
Select one of the following:		ART3233 Painting II, III, IV.....	3
ANI3015 Illustration.....	2	ART2021 Print I.....	3
ANI3105 Figure Drawing.....	2	ART3223 Print II, III, IV.....	3
ART3112 Drawing II.....	2	ART2048 Ceramics I.....	3
ART3805 Topics in Art & Design.....	2	ART3243 Ceramics II, III, IV.....	3
		ART2251 Sculpture I.....	3
History & Theory	6 cr	ART3253 Sculpture II, III, IV.....	3
ART3267 Themes in Art History [WCE].....	4	ART2081 Photography I.....	3
Select one of the following:		ART3322 Photography II.....	3
ART3162 19th and 20th Century Art History.....	2	ART4995 Art Internship.....	3
ART3265 Art Since 1945.....	2		
ART3365 Aesthetics.....	2	Capstone	3 cr
ART3806 Topics in Art History.....	2	ART4855 Senior Seminar in Art [OCE].....	3

WCE = WRITTEN COMMUNICATION EMPHASIS.
 OCE = ORAL COMMUNICATION EMPHASIS.
 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 Art 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.

Foundations8 cr

ART1011	Drawing I	4
ART1035	Design Concepts	4

History & Theory10 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 Production24 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

Capstone8 cr

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

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

Design Minor16 cr

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

Visual Arts Education Major

Bachelor of Art or Bachelor of Science

Full details are given under School of Education programs. See pages 100-104 and 114.

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.

Communications 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 PSY3005; 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
COM3176	Advanced Public Speaking and Speech Writing	4
COM4105	Mass Media and Society [OCE, WCE] (SEE SCIENTIFIC & QUANTITATIVE LITERACY REQUIREMENT ABOVE)	4
COM4308	Communication Research Methods	4

Workshops 2–4

Four enrollments from MEP3626-3628; PRL3625; 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:

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

Select 4 credits from the following:

ENG2146	Professional Writing	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:

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

Select 4 credits from the following:

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, or Sport Communication.

WCE = WRITTEN COMMUNICATION EMPHASIS.

OCE = ORAL COMMUNICATION EMPHASIS.

SEE PAGE 50 FOR EXPLANATION AND PREREQUISITES.

Communication Minor 16 cr

Required Courses: COM1075 or 1825; 2107. Remaining courses selected from any 2000-, 3000-, or 4000-level course with COM prefix; or MEP3626-3628; or PRL3625.

Speech Minor 16 cr

Required Courses: COM1075 or 1825, 3176. Remaining courses selected from the following: COM3135; LIN2226; MIN4306, 4405; PRL3387, 3625; THE1057.

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
- **Scientific & Quantitative Literacy** social science course in core curriculum: COM4105 [OCE, WCE]

Media Production Core Required Courses 24-26 cr

MEP1012	Audio Production	3
MEP1013	Video Production	4
MEP1016	Story Structure	4
MEP2115	Production Technology	2
MEP3117	Media Business	4
MEP4855	Senior Capstone	3
MEP4995	Media Production Internship	2
COM2007	Introduction to Film (SEE CREATIVE EXPRESSION REQUIREMENT ABOVE)	
COM4105	Mass Media and Society [OCE, WCE] (SEE SCIENTIFIC & QUANTITATIVE LITERACY REQUIREMENT ABOVE)	

Workshops (4 enrollments) 2-4
Four enrollments from MEP3626-3628; PRL3625; at least two of which must be taken for credit.

Track 21-24 cr

Select a track. Requirements are listed below.

Film & Video Track (23-24 cr)

Required Courses 16 cr

MEP3045	Directing the Actor	3
MEP3115	Scriptwriting	4
MEP3135	Single Camera Production	3
MEP3137	Post-Production	4
MEP3139	Cinematography and Lighting	2

Select 7-8 credits from the following:

CMC	APPROVED CONTEMPORARY MUSIC CENTER COURSES*	8
DES3106	Motion Design	4
LAFSC	APPROVED LOS ANGELES FILM STUDIES CENTER COURSES*	8
MEP3126	Brand Production Strategies	3
MEP3805	Special Topics in Media Production	2-4
MEP4125	Sound Design	3
PRL2061	Multimedia Writing	4

Radio & Recording Arts Track (21-22 cr)

Required Courses 14 cr

MEP3125	Advanced Audio Production	4
MEP3126	Brand Production Strategies	3
MEP4125	Sound Design	3
PRL2061	Multimedia Writing	4

Select 7-8 credits from the following:

CMC	APPROVED CONTEMPORARY MUSIC CENTER COURSES*	8
DES1031	Introduction to Layout	3
DES3106	Motion Design	4
LAFSC	APPROVED LOS ANGELES FILM STUDIES CENTER COURSES*	8
MEP3045	Directing the Actor	3
MEP3115	Scriptwriting	4
MEP3135	Single Camera Production	3
MEP3137	Post-Production	4
MEP3139	Cinematography and Lighting	2
MEP3805	Special Topics in Media Production	2-4
PRL2085	Public Relations and Social Media Strategies	4
PRL3187	Sport Public Relations	2

* SEE RELATED INFORMATION ON PAGES 20, 37-38

COMMUNICATION

Media Production Minor 16 cr

Required Courses: MEP1012 or 1013, 1016; workshops—two enrollments selected from MEP3626-3628; PRL3625. Additional upper-level credits in non-workshop courses with MEP prefix.

Journalism Minor 16 cr

Required Course: MEP1012 or MEP1013; PRL2061; 3 credits from MEP3627, 3628, or PRL3625. Remaining credits from DES1031, 2111, MEP3135, 3126, PRL2085, 3187, ENG2146, 2215, 2235, 3316 or approved internship enrollment.

Sport Communication Minor 16 cr

Required Courses: MEP1012 or MEP1013; PRL2061; 3 credits from MEP3627, 3628, or PRL3625. Remaining credits selected from: KIN1065, 2025, 3035, 3045, 4055; PRL3187; approved practicum or internship enrollment.

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 three concentrations: literature, writing, and literature and writing.

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

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

Required Courses 34 cr

LIT2045	Epic Literature	2
LIT2105	Literary Studies	4
LIT3136	Shakespeare	2
LIT3215	Studies in the Novel	4
LIT3225	Survey of American Literature	4
LIT3235	Survey of British Literature	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:

ENG2215	Writing Creative Nonfiction	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

English and Cognate Electives 6 cr

Select from courses with ENG, LIT, or LTH prefix (ENG1105, 1107, 1825, 2205, and 2825 are not options) or from the following:

HIS3095	Digital History, Public History, and Archiving	4
THE3181	Theatre History to 1850	4
THE3282	Theatre History after 1850	4

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

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

Required Courses 46 cr

ENG2146	Professional Writing	2
ENG2215	Writing Creative Nonfiction	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
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
ENG4995	Writing Internship	1–2

NOTE: NO ONE COURSE CAN FULFILL TWO CATEGORIES.

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SEE PAGE 50 FOR EXPLANATION AND PREREQUISITES

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 48 cr

ENG2146	Professional Writing	2
ENG2215	Writing Creative Nonfiction	2
ENG2216	Writing of Poetry	2
ENG2217	Writing of Fiction	2
LIT2045	Epic Literature	2
LIT2105	Literary Studies	2
LIT3215	Studies in the Novel	4
LIT3225	Survey of American Literature	4
LIT3235	Survey of British Literature	4

Select one of the following:

ENG3125	Structure of English Grammar	4
LIN2226	Introduction to Linguistics	4

Select one of the following:

ENG4435	Writing Theory and Ethics [WCE]	2
LTH4155	Literary Theory [WCE]	2

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
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

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SEE PAGE 50 FOR EXPLANATION AND PREREQUISITES.

English Minor 16 cr

Required Courses: One writing course (excluding ENG1105, 1107, 1825, 2205, and 2825); one literature course.

Additional credits from courses with ENG, LIN, LIT, or LTH prefix (excluding ENG1105, 1107, 1825, 2205, and 2825).

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).

Teaching English to Speakers of Other Languages (TESOL) Minor 20 cr

Required Courses: ENG3125; ESL3215, 3315, 4325, 4326; LIN2226.

Writing Minor 16 cr

Required Course: ENG2215, ENG2216, or ENG2217.

Select 14 additional credits from ENG-prefix courses (excluding ENG1105, 1107, 1825, 2205, and 2825).

Communication Arts/Literature Education Major

Bachelor of Science

Full details are given under School of Education programs. See pages 100–105.

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 22 cr

HIS2001	U.S. History to 1877	4
HIS2002	U.S. History since 1877	4
HIS2005	Introduction to Historical Studies	2
HIS3095	Digital History, Public History, and Archiving	4
HIS3125	History of the Christian Church from Apostolic Times to the Present	4
HIS4835	Senior Seminar [OCE, WCE]	4

History Selectives 24 cr

Select a minimum of 8 credits 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 a minimum of 4 credits from the following:

HIS3165	American Revolution and Early Republic	4
HIS3175	American Religious History	4
HIS3805	Topics in U.S. History	4

Select a minimum of 4 credits from the following:

HIS3115	Old Testament Archaeology	2
HIS3116	New Testament Archaeology	2
HIS3155	History of East Asia	4

Select up to 4 credits from the following:

ART3162	19th and 20th Century Art History	2
ART3265	Art Since 1945	2
ART3267	Themes in Art History	4
LIT2045	Epic Literature	2
LIT2117	Historically Based Literature	4
MUH3101	Western Music History to 1750	4
MUH3102	Western Music History after 1750	4
MUH3105	American Music	2
POS3165	Political Thought	4
POS3205	International Relations since World War II	4
SSE2005	Cultural History of Minnesota	2
THE3181	Theatre History to 1850	4
THE3282	Theatre History after 1850	4

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.

WCE = WRITTEN COMMUNICATION EMPHASIS.

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SEE PAGE 50 FOR EXPLANATION AND PREREQUISITES.

History Minor 18 cr

Required courses: HIS2005, 3125. Remaining credits to be chosen from courses with HIS prefix, excluding HIS1005, 1825, 1826.

Politics, History, & 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 opportunity for off-campus internships. This ensures that 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 12 cr

POS2005	U.S. National Government	4
POS3165	Political Thought	4
POS3205	International Relations since World War II	4

Economics 4 cr

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

History 18 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 from the following 16 cr

COM2107	Communication Theory	4
ECO2213	Principles of Microeconomics	2
ENG2146	Professional Writing	2
ENG3248	Grant Writing	2
MKT1085	Principles of Marketing	4
PHI2016	Ethics	4
POS2695	Minnesota Legislative Internship	1-8
POS4995	Political Science Internship	1-8
	Any HIS elective 3000 level or above	
	Any POS elective 3000 level or above	

Select 8 credits from the following:

HIS3095	Digital History, Public History, and Archiving	4
HIS3125	History of the Christian Church from Apostolic Times to the Present	4
HIS3135	Renaissance and Reformation	4
HIS3136	History of Europe in the 18th and 19th Centuries	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
HIS3165	American Revolution and Early Republic	4
HIS3175	American Religious History	4
HIS3805	Topics in European History	4
HIS3805	Topics in American History	4

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 SEE PAGE 50 FOR EXPLANATION AND PREREQUISITES.

Political Science Minor 18 cr

Required Courses: POS1005, POS2005; 2-4 credits from POS2625/4625, 2695, 4995; 6-8 credits from COM2107, ECO2201 or 2211 and 2212, 2202 or 2213, HIS3136, 3145, 3155, 3156, 3165, 3206, 3207, POS3165, 3205, 3805, PRL2061, 3387.

HISTORY & RELATED FIELDS

Museum Studies and Public History Minor 18 cr

Required courses: HIS2005, 3095; select 4–8 credits from the following: ART3162, 3265, 3267, 3806, DES1031, 2111, 3069, 3000- or 4000-level HIS course, MUH3101, 3102, 3105, THE3181, 3282; select 4–8 credits from the following: ENG2146, 3248, 3249, MKT1085, 3165, PRL2061, 2085, 3035.

Pre-Law Minor 18 cr

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

- Communications (2–4 cr): COM2107, 3107; PRL2061, 3387
- Criminal Justice and Business (4 cr): BUS3331; CRJ2125, 3225, 4327*
- Economics (4 cr): ECO2211, 2212
- English (2 cr): ENG2146
- History and Politics (4 cr): HIS2001, 2002, 3129, 3165; POS2005, 3165
- Philosophy (2–6 cr): PHI2006, 2016

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

Social Studies Education Major

Bachelor of Science

Full details are given under School of Education programs. See pages 100–104 and 113.

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.

MUSIC & THEATRE**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.

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 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
MUH3105 American Music (SEE CREATIVE EXPRESSION REQUIREMENT ABOVE)	
MUH3106 Music in World Cultures (SEE CULTURAL & GLOBAL ENGAGEMENT REQUIREMENT ABOVE)	
MUS1000 Music Hour (8 SEMESTERS REQUIRED)	
MUS2176 Fundamentals of Conducting	2

Music Ensembles

6–8
(8 SEMESTERS IN ENSEMBLES; UP TO 2 SEMESTERS MAY BE SMALL ENSEMBLES. A MINIMUM OF 6 SEMESTERS TAKEN FOR CREDIT.)

Private or Group Piano

0–4
(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.)

Composition Courses	24 cr
MTC4207 Orchestration	2
MTC4209 Choral Arranging	2
MTC4305 Analytic Techniques	3
MUP21XX Secondary Applied Voice/Instrument	4
(4 SEMESTERS/CREDITS OF LESSONS AT 22XX LEVEL ON ONE INSTRUMENT)	
MUP3160 Private Composition - Major	10
MUP3360 Private Counterpoint - Major	2
MUP4696 Senior Recital - Full	1

Music Electives (A MINIMUM OF 6 UPPER-LEVEL CREDITS)

8 cr

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SEE PAGE 50 FOR EXPLANATION AND PREREQUISITES.

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. 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 MUH3105.
- **B.A. option** requires achieving 1002-level competency in an approved foreign language. See page 47.

Required Courses39-45 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
MUH3105	American Music (SEE CREATIVE EXPRESSION REQUIREMENT ABOVE)	
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
MCH4995	Music Ministry Internship	2
MUS4995	Music Internship	1-2

Private or Group Piano0-3
(STUDENTS MUST BE ENROLLED IN PRIVATE OR GROUP PIANO UNTIL THE PIANO PROFICIENCY EXAM IS PASSED.)

Private Music Lessons - Major level6
(6 CREDITS/6 SEMESTERS REQUIRED ON THE PRIMARY INSTRUMENT)

Music Ensembles4-6
(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.

WCE = WRITTEN COMMUNICATION EMPHASIS.
OCE = ORAL COMMUNICATION EMPHASIS.
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 100–104 and 110–111.

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** 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 100–104).

Education Core 32 cr

EDU2215	Educational Foundations	2
EDU2215L	Educational Foundations Lab	0
EDU3205	Instructional Technology	2
EDU3209	Human Relations in a Cross-Culturally Diverse World (SEE CULTURAL & GLOBAL ENGAGEMENT REQUIREMENT ABOVE)	2
EDU3209L	Human Relations Lab (SEE CULTURAL & GLOBAL ENGAGEMENT REQUIREMENT ABOVE)	2
EDU3215	Educational Psychology	2
EDU3217	School Health and Drug Problems	2
EDU3225	Educating Multilingual Learners (SEE CULTURAL & GLOBAL ENGAGEMENT REQUIREMENT ABOVE)	2
EDU3235	Instructional Foundations [WCE]	3
EDU3255	Content Area Reading	2
EDU3285	Educating Diverse Learners	2
EDU3285L	Educating Diverse Learners Lab	0
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)	4
MUH3106	Music in World Cultures (SEE CREATIVE EXPRESSION REQUIREMENT ABOVE)	4
MUS1000	Music Hour (5 SEMESTERS REQUIRED)	2
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.

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SEE PAGE 50 FOR EXPLANATION AND PREREQUISITES.

Select a specialization, listed on next page.

Students select one of the following specializations:

Vocal and Classroom Music Specializations 24-27 cr

Emphasis: Vocal. 24 cr

MUS3101	Diction for Singers I	1
MUS3102	Diction for Singers II.	1
MUS3277	Advanced Conducting	2
MUS4405	Vocal Pedagogy	2
MUP3100	Private Voice - Major	8
MUP4695	Senior Recital - Half	0
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
MUE4375	Woodwind Methods or	
MUE4376	Brass Methods or	
MUE4377	Percussion Methods or	
MUE4378	String Methods	1
MUE4385	Secondary Music Ensemble 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
MUS4405	Vocal Pedagogy	2
MUP2200	Private Voice*	4
MUP3110	Private Piano - Major or	
MUP3150	Private Guitar - Major.	7
MUP4695	Senior Recital - Half	0
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
MUE4375	Woodwind Methods or	
MUE4376	Brass Methods or	
MUE4377	Percussion Methods or	
MUE4378	String Methods	1
MUE4385	Secondary Music Ensemble 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	
MUP2200	Private Voice	1
MUP31XX	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
MUE4385	Secondary Music Ensemble Methods	3
MTC4207	Orchestration	2

Emphasis: Instrumental with Primary Instrument

Piano or Guitar 27 cr

MUS3277	Advanced Conducting	2
MUP1001	Class Voice I or	
MUP2200	Private Voice	1
MUP3110	Private Piano - Major or	
MUP3150	Private Guitar - Major.	7
MUP21XX	Applied Music	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
MUE4385	Secondary Music Ensemble 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. 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.

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 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
MUH3105	American Music (SEE CREATIVE EXPRESSION REQUIREMENT ABOVE)	
MUH3106	Music in World Cultures (SEE CULTURAL & GLOBAL ENGAGEMENT REQUIREMENT ABOVE)	
MUS1000	Music Hour (8 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. 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.)

WCE = WRITTEN COMMUNICATION EMPHASIS.

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SEE PAGE 50 FOR EXPLANATION AND PREREQUISITES.

Select one of the following specializations:

Voice Performance Specialization 30 cr

MTC4305	Analytic Techniques	3
MUP3100	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
MUS4405	Vocal Pedagogy	2
MUS4841	Senior Project*	1
	Upper-level music electives	5

*VOCAL PEDAGOGY PRACTICUM TAKEN CONCURRENTLY WITH MUS4405

Instrumental Performance Specialization 31 cr

MTC4207	Orchestration	2
MTC4305	Analytic Techniques	3
MUL4345	Instrumental Literature - Major Instrument	2
MUP31XX	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:

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
MUP3110	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; MUP2260 (three semesters of lessons), 2360 (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; MUP2200, 2210; 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). MUH3105 (Creative Expression in the core curriculum).

Music Minor 16-18 cr

Required Courses: MTC1007; MUS1000 (2 semesters required); MUH3105; four semesters (4 credits) of MUP21XX/22XX 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 MUH3105.

Required Courses: MEN3XXX (2 semesters of music ensembles on primary instrument/voice); MEP1012; MTC1007, 2004, 2112; MUP2228 (4 semesters); 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 Requirements. 30 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)	4
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

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.

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	2
THE3135	Modern Dance	2
THE4135	Choreography	4

Select one of the following:

THE4995	Theatre Performance Internship	2
THE4997	Dance Performance Internship	2

Select 2 credits from the following:

THE3625	Music Theatre Workshop or any technique dance course (THE2037, 2038, 2039, 3135 2
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Musical Theatre Concentration (20 cr)

MTC1007	Music Theory Foundations	4
MUP2200	Private Voice	.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 8 credits selected from THE3625 or any technique dance course (repeatable); 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.

COLLEGE OF BEHAVIORAL & NATURAL SCIENCES

Department of **Biology & Biochemistry**page 76

Department of **Computing, Analytics, & Mathematics**page 80

Department of **Engineering**page 84

Department of **Interdisciplinary Studies**page 86

Department of **Kinesiology, Sports Management, & Physical Education**page 88

Department of **Psychology, Criminal Justice, & Law Enforcement**page 90

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 and relatively new 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 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, biochemistry majors 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 Courses47–48 cr

BIO1011/1011L	Principles of Biology I	4
BIO1012	Principles of Biology II	4
BIO3235/3235L	Biochemistry	5
BIO3246/3246L	Genetics or	
BIO4841/CHE4841	Research/Chemistry Research.	4–5
BIO3335	Molecular Medicine	4
BIO4359L	Biotechnology Lab	2
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
PHY1102/1102L	Fundamentals of Physics II	4

Students are strongly encouraged to take additional BIO courses to count towards the general elective requirements.

WCE = WRITTEN COMMUNICATION EMPHASIS
OCE = ORAL COMMUNICATION EMPHASIS.
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, 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
BIO3235/3235L	Biochemistry	5
BIO3236	Immunology	4
BIO3335	Molecular Medicine	4
BIO4355	Developmental Biology	4
BIO4359L	Biotechnology Lab	2
BIO4841/CHE4841	Research/Chemistry Research	1–4
BIO4995	Biology Internship	1–4
	MAT courses numbered 2122 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, 192

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	3
BIO3175/3175L	Ecology	4
BIO3235/3235L	Biochemistry	5
BIO3236	Immunology	4
BIO3276/3276L	Field Biology	4
BIO3277/3277L	Conservation Biology	4
BIO3347	Cell Physiology	4
BIO3348/3348L	Cell Biology	5
BIO3335	Molecular Medicine	4
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, 192

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 31 cr

BIO2116/2116L	Animal Biology or	
BIO3335	Molecular Medicine	4
BIO3235/3235L	Biochemistry*	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 6-8 cr

BIO1025	Medical Terminology	2
BIO3145/3145L	Microbiology	4
BIO3157/3157L	Human Anatomy*	4
BIO3158/3158L	Human Physiology*	4
BIO3159	Pathophysiology	3
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 desiring to take BIO3157 Human Anatomy and BIO3158 Human Physiology are encouraged to declare a health sciences minor.

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, 192

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, BIO3235/3235L, 3335.**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, 192

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; one additional BIO-, CHE-, PHY-, or SCI-prefix course (4 credits)
- SCI3037

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 45-46 cr

BIO1025	Medical Terminology	..... 2
BIO3145/3145L	Microbiology	..... 4
BIO3157/3157L	Human Anatomy	..... 4
BIO3158/3158L	Human Physiology	..... 4
BIO3159	Pathophysiology	..... 3
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
HSC4995	Health Sciences Internship	..... 2
PSY1005	Introduction to Psychology	..... 4
PSY2108	Lifespan Psychology	..... 4
	BIO-prefix course numbered 1012 or above	..... 4

Work experience as a Certified Nursing Assistant is highly recommended.

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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, 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 48 cr

BUS3835	Professional Skills Seminar	2
EGR2206	MATLAB.	2
EGR4339	Numerical Analysis	3
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
MAT3223	Calculus and Analytic Geometry III	4
MAT3225	Discrete Mathematics	2
MAT3245	Geometry	4
MAT3257	Statistics for Data Analysis	4

MAT3335	Differential Equations with Applied Linear Algebra . 4
MAT4845	Senior Project [OCE, WCE] 2
MAT4995	Mathematics Internship. 1

Select one of the following:

MAT2055	Statistics 4
MAT3252	Calculus-based Statistics. 4

Select one of the following:

MAT4337	Mathematical Models and Applications 4
DAL-prefix course	3000 level or above 4

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SEE PAGE 50 FOR EXPLANATION AND PREREQUISITES.

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.

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
COS2005 Python Programming	4
COS2015 Principles of Computing or	
COS1011 Principles of Computing I and	
COS2112 Principles of Computing II	4
MIS2062 Database Management I	4

Computer Science Requirements	37 cr
COS3001 C Programming Language	2
COS3267 Operating Systems Concepts	4
COS3271 Programming I – Java	4
COS3272 Programming II – Mobile Application Development	4
COS4855 Senior Capstone [OCE, WCE]	2
COS4995 Computer Science Internship	1
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
MAT3225 Discrete Mathematics	2
MAT3226 Applications of Digital Logic	2

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 SEE PAGE 50 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.

COMPUTING, ANALYTICS, & MATHEMATICS

Associate of Science in 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 33-35 cr

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 3 cr

- COM1075 Public Speaking (or COM1825 Honors) 3

Critical Thinking & Information Literacy 4-5 cr

(reinforces Effective Communication outcomes)

- ENG1107 College Writing & Research and, if required,
 ENG1107L English Composition Lab or
 LAN1107L English Composition Lab 4-5

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 44)
 MUST INCLUDE AT LEAST ONE MATHEMATICS AND ONE NATURAL SCIENCE COURSE.
 EXCLUDES BIO1025.

Specialization in Computer Science 26 cr

- COS2005 Python Programming 4
 COS2015 Principles of Computing or
 COS1011 Principles of Computing I and
 COS2112 Principles of Computing II 4
 COS3271 Programming I – Java 4
 COS3272 Programming II – Mobile Application Development . . 4
 CYS2081 Data Communications 4
 CYS3065 Systems Analysis and Design 4
 MAT3226 Applications of Digital Logic 2

General Electives 2

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

- COS2005 Python Programming 4
 COS2015 Principles of Computing or
 COS1011 Principles of Computing I and
 COS2112 Principles of Computing II 4
 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

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 SEE PAGE 50 FOR EXPLANATION AND PREREQUISITES.

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 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 100-104 and 109.

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>), under the General Criteria.

- **Scientific & Quantitative Literacy** courses in core curriculum: mathematics course MAT2121; 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 46 cr

CHE1021/1021L	Principles of Chemistry I	4
MAT2121	Calculus and Analytic Geometry I (SEE SCIENTIFIC & QUANTITATIVE LITERACY REQUIREMENT ABOVE)	4
MAT2122	Calculus and Analytic Geometry II	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	3
EGR3115	Materials Science	3
EGR4311	Engineering Design I [WCE]	3
EGR4312	Engineering Design II [OCE]	3

Concentration 30 cr

Select a concentration. Requirements are listed below.

Civil Engineering Concentration (30 cr)

EGR2145	Surveying Fundamentals	2
EGR2205	Mechanics of Materials	3
EGR3225	Fluid Mechanics	3
EGR3245	Structural Analysis	3
EGR3246	Materials Laboratory for Civil Engineering	2
EGR3347	Geotechnical Engineering	3
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 (30 cr)

COS3001	C Programming	2
EGR2107	Introduction to Electronics and Electrical Circuits	3
EGR2108	Electronics and Electrical Circuits Laboratory	2
EGR3215	Control Systems	3
EGR3235	Electronic Devices	4
EGR3236	Digital Electronics Laboratory	2
EGR3335	Microcontrollers	2
EGR3337	Signals & Systems	3
EGR3338	Communication Systems Laboratory	2
MAT3226	Applications in Digital Logic	2

Technical Electives 5

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.

Mechanical Engineering Concentration (30 cr)

EGR2107	Introduction to Electronics and Electrical Circuits . . .	3
EGR2108	Electronics and Electrical Circuits Laboratory	2
EGR2125	Design and Manufacturing Laboratory	2
EGR2205	Mechanics of Materials	3
EGR3215	Control Systems	3
EGR3225	Fluid Mechanics	3
EGR3326	Materials Laboratory for Mechanical Engineering. . .	2
EGR3327	Heat and Mass Transfer	3
EGR3328	Thermal-Fluids Laboratory	2

Technical Electives 7

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.

General Engineering Concentration (30 cr)

EGR2107	Introduction to Electronics and Electrical Circuits . .	3
EGR2108	Electronics and Electrical Circuits Laboratory	2
EGR2205	Mechanics of Materials	3
EGR3215	Control Systems	3

Select one of the following:

COS3001	C Programming	2
EGR2125	Design and Manufacturing Laboratory	2
EGR2145	Surveying Fundamentals	2

Technical Electives 17

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.

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 that documents their attainment of degree learning outcomes and highlights their scholarly achievement and professional competency. This course serves as both the WCE and the OCE for the IDS major.

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

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

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 33-35 cr

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 3 cr

- COM1075 Public Speaking (or COM1825 Honors) 3

Critical Thinking & Information Literacy 4-5 cr
(reinforces Effective Communication outcomes)

- ENG1107 College Writing & Research **and, if required,**
ENG1107L English Composition Lab **or**
LAN1107L English Composition Lab 4-5

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 44)
MUST INCLUDE AT LEAST ONE MATHEMATICS AND ONE NATURAL SCIENCE COURSE.
EXCLUDES BIO1025.

Concentration 15 cr

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 Socio-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

General Electives 12 cr

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.

Kinesiology Major

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

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

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

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.

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.

Physical Education & Health Major

Bachelor of Science

Full details are given under School of Education programs. See pages 100-104 and 112.

Sports Management Major

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 or	
PHE2089	Theory of Coaching Youth Sports.	2
HPE3009	Officiating Athletics	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, or PRL prefixes; HPE3009, PHE3089.

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.

BEHAVIORAL & NATURAL SCIENCES

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 PSY3005; 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

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 Major

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 PSY3005; 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 24 cr

PSY1005	Introduction to Psychology	4
PSY2108	Lifespan Psychology	4
PSY3135	Positive Psychology	4
PSY3207	Abnormal 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

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
Four credits of the concentration may be replaced from the following:		
MIN3205	Human Sexuality	4
MIN3206	Relationships	4

Psychology Selectives Concentration (16 cr)

Any PSY-prefix courses.

Four credits of the concentration may be replaced from the following:

MIN3205	Human Sexuality	4 cr
MIN3206	Relationships	4 cr

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

Psychology Minor 20 cr

Required Courses: PSY1005, 2108, 3207, 3308; 4 additional credits selected from courses with PSY prefix; MIN3205 or 3206.

Social Studies Education Major

Bachelor of Science

Full details are given under School of Education programs. See pages 100–104 and 113.

COLLEGE OF PROFESSIONAL STUDIES

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School of **Education** page 100

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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, up to 14 credits, 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.

BUSINESS

Accounting Major

Bachelor of Art 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 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. 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 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)	4
ECO2212	Principles of Macroeconomics (SEE SCIENTIFIC & QUANTITATIVE LITERACY REQUIREMENT ABOVE)	4
MGT2271	Management	4
MKT1085	Principles of Marketing	4

Accounting Requirements 29 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 12 or 37 cr

Select a concentration. Requirements are listed below.

Business Accounting (12 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		6

Analytics & Reporting (37 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		11

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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 may substitute up to 14 credits of the following graduate-level courses into the undergraduate degree, in place of the related undergraduate courses, to fulfill major or core curriculum requirements. Refer to the College of Graduate, Online, & Adult Learning catalog for specific 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 Substitutions. Select up to 14 cr

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 Administration Major

Bachelor of Art 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 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

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

Global Studies (12 cr)

Select from the following:

BUS4665	Global Experience Assessment	1
ECO2213	Principles of Microeconomics	2
HIS3145	History of Twentieth Century Europe	4
HIS3155	History of East Asia	4
HIS3156	History of Russia from Earliest Times to the Present	4
ICS2045	Socio-cultural Anthropology	4
ICS3068	Relief and Development	2-3
ICS3069	Business as Mission	2
LIT3145	Contemporary World Literature	2
POS3205	International Relations since World War II	4

Any course(s) with CHN or SPA prefix

Any awarded language credits

Business Requirements 15 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 Electives 4-8 cr

Select from upper-level courses with ACC, BUS, COM, DAL, FIN, HCM, MGT, MIS, MKT prefix or ECO2213 or ICS3069.

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

Intercultural Relationship Management (12 cr)

ICS2045	Socio-cultural Anthropology	4
ICS3206	Intercultural Teamwork	2
ICS3069	Business and Mission	2

Select 4 credits from the following:

BUS4996	Global Business Internship	1
COM3107	Intercultural Communication	4
Any course with CHN, ICS, or SPA prefix		
Any awarded language credits		

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 prefix:

ACC, BUS, FIN, HCM, ICS, LDR, MGT, or MKT prefix. 4

BUSINESS

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 Management2
MGT3275	Small Business Management2
MGT4267	Project Management2

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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 may substitute up to 14 credits of the following graduate-level courses into the undergraduate degree, in place of the related undergraduate courses, to fulfill major or core curriculum requirements. Refer to the College of Graduate, Online, & Adult Learning catalog for specific 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 Substitutions. . . . Select up to 14 cr

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			

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)	4
ECO2212	Principles of Macroeconomics (SEE SCIENTIFIC & QUANTITATIVE LITERACY REQUIREMENT ABOVE)	4
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.

Business Analytics (16 cr)		
DAL2235	Principles of Data Analytics	4
MAT2055	Statistics	4
Select from upper-level DAL prefix courses		8

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)		4

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)		4

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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 may substitute up to 14 credits of the following graduate-level courses into the undergraduate degree, in place of the related undergraduate courses, to fulfill major or core curriculum requirements. Refer to the College of Graduate, Online, & Adult Learning catalog for specific 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 Substitutions.....Select up to 14 cr

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.

BUSINESS

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
Select 6 credits from the following:		
COM3106, 3107, 3108, ENG3249, 3316, PRL2061, 2085, 2625, 3035, 3187, 3386		

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
PRL3625	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 may substitute up to 14 credits of the following graduate-level courses into the undergraduate degree, in place of the related undergraduate courses, to fulfill major or core curriculum requirements. Refer to the College of Graduate, Online, & Adult Learning catalog for specific 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 Substitutions. Select up to 14 cr

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

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.

School of Education

Teacher Education Program Information & Requirements

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:

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 specialization in:

- Physical Education and Health (Grades 5–12)

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 Kinesiology, Sports Management, & Physical Education)
- Health Education
- Physical Education
- Special 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 page 67) 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 ENG1107 College Writing & Research, ENG2205 Critical Thinking and Writing, or ENG2825 Honors Critical Thinking and Writing.
8. Demonstrate speech proficiency by receiving a B- or above in COM1075 Public Speaking or COM1825 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 103.

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

EDUCATION

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.
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.

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
 EDU3205 Instructional Technology
 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
 EDU3255 Content Area Reading
 EDU3285 Educating Diverse Learners
 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

Elementary Education

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

Music Education

MUE4355 Elementary and Middle School Music Methods (Grades K-8)
 MUE4375 Woodwind Methods
 MUE4376 Brass Methods
 MUE4377 Percussion Methods
 MUE4378 String Methods
 MUE4385 Secondary Music Ensemble Methods
 MUS2176 Fundamentals of Conducting
 MUS3277 Advanced Conducting
 MUS4405 Vocal Pedagogy

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

SSE2005 Cultural History of Minnesota
 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

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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.

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

CFD3207	Adolescent Development and the Middle Level Learner	.2
EDU2215	Educational Foundations	.2
EDU2215L	Educational Foundations Lab	.0
EDU3205	Instructional Technology	.2
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
EDU4415	Education Ethics [OCE]	.2
EDU4835	Seminar in Professional Issues	.1

Select one of the following sets of courses (14 cr):

EDU4916H	Student Teaching in Communication Arts/Literature Education - High School	.14
EDU4916M	Student Teaching in Communication Arts/Literature Education - Middle School	.14

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.

Required Major Courses 40 cr

ENG3125	Structure of English Grammar	.4
ESL3210	Introduction to Sociolinguistics	.2
LIT2105	Literary Studies	.4
LIT3136	Shakespeare	.2
LIT3255	Young Adult Literature	.2
EDE3306	Communication Arts and Literature Education: Content and Standards	.2
EDE4366	Teaching Language and Communication in Grades 5–12	.4
EDE4367	Teaching Secondary Reading and Literature Methods	.4
EDE4100M	Teaching Secondary Reading and Literature Lab - Middle School	.0
EDE4200H	Teaching Secondary Reading and Literature Lab - High School	.0
Select 6 credits from the following:		
COM2107	Communication Theory	.4
THE1051	Acting I	.4
THE1055	Introduction to Theatre	.2
THE2045	Children's Theatre	.2
Courses with ENG, LIT, or LTH prefix 2–6		
Select one of the following:		
ENG2216	Writing of Poetry	.2
ENG2217	Writing of Fiction	.2
Select one of the following:		
LIT3145	Contemporary World Literature and	.2
LIT2156	Contemporary Poetry or	
LIT2157	Contemporary Fiction	.2
or LIT2118	Multiethnic American Literature	.4
Select one of the following:		
LIT3225	Survey of American Literature	.4
LIT3235	Survey of British Literature	.4

Child Development Minor 16–18 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 Core 14

CFD3205	Child Development	.4
CFD3207	Adolescent Development and the Middle Level Learner	.2
CFD3325	Learning and Development in Young Children	.2
CFD3335	Assessment in Early Childhood	.2
PSY2108	Lifespan Psychology	.4

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		

PROFESSIONAL STUDIES

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.
- **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 Core30–33 cr

EDU2215	Educational Foundations	2
EDU2215L	Educational Foundations Lab	0
EDU3205	Instructional Technology	2
EDU3209	Human Relations in a Cross-Culturally Diverse World (SEE CULTURAL & GLOBAL ENGAGEMENT REQUIREMENT ABOVE)	2
EDU3209L	Human Relations Lab (SEE CULTURAL & GLOBAL ENGAGEMENT REQUIREMENT ABOVE)	2
EDU3215	Educational Psychology	2
EDU3217	School Health and Drug Problems	2
EDU3225	Educating Multilingual Learners (SEE CULTURAL & GLOBAL ENGAGEMENT REQUIREMENT ABOVE)	3
EDU3235	Instructional Foundations [WCE].	3
EDU3285	Educating Diverse Learners	2
EDU3285L	Educating Diverse Learners Lab	0
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

Select from the following16–54 cr

Double Major in ESL Education (includes Foreign Language/ Approved Electives)	54
Middle School Communication Arts and Literature endorsement	23
Middle School Mathematics Endorsement	25
Middle School Social Studies Endorsement	23
Preprimary Endorsement	21
Special Education Minor	16

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

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.

Middle School Communication Arts and Literature Endorsement 23 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 Grades 5-8 Lab - Endorsement.	0
EDU4915E	Student Teaching in Communication Arts/Literature Education Endorsement.	5
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 4 credits from the following, including one LIT course:		
Any course with LIT prefix		2-4
Any course with ENG prefix.		0-2
(ENG1105, 1107, 1825, 2205, and 2825 are not options.)		

Middle School Mathematics Endorsement 25 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
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

Middle School Social Studies Endorsement 23 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
POS2005	U.S. National Government.	4
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

Preprimary Endorsement 21 cr

CFD3205	Child Development.	4
CFD3325	Learning and Development in Young Children.	2
CFD3335	Assessment in Early Childhood	2
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

EDUCATION

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.
- **Scientific & Quantitative Literacy** social science course in core curriculum: PSY2108.

Education Core 32 cr

EDU2215	Educational Foundations	2
EDU2215L	Educational Foundations Lab	0
EDU3205	Instructional Technology	2
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
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

WCE = WRITTEN COMMUNICATION EMPHASIS.
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	Socio-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.

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 Core 34 cr

CFD3207	Adolescent Development and the Middle Level Learner	2
EDU2215	Educational Foundations	2
EDU2215L	Educational Foundations Lab	0
EDU3205	Instructional Technology	2
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
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.		

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 SEE PAGE 50 FOR EXPLANATION AND PREREQUISITES.

Required Major Courses 34 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

EDUCATION

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

EDU2215	Educational Foundations	2
EDU2215L	Educational Foundations Lab	0
EDU3205	Instructional Technology	2
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
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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 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
MUS4405	Vocal Pedagogy	2
MUP3100	Private Voice - Major	8
MUP4695	Senior Recital - Half	0
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
MUE4375	Woodwind Methods or	
MUE4376	Brass Methods or	
MUE4377	Percussion Methods or	
MUE4378	String Methods	1
MUE4385	Secondary Music Ensemble 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
MUS4405	Vocal Pedagogy	2
MUP2200	Private Voice*	4
MUP3110	Private Piano - Major or	
MUP3150	Private Guitar - Major	7
MUP4695	Senior Recital - Half	0
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
MUE4375	Woodwind Methods or	
MUE4376	Brass Methods or	
MUE4377	Percussion Methods or	
MUE4378	String Methods	1
MUE4385	Secondary Music Ensemble 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	
MUP2200	Private Voice	1
MUP31XX	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
MUE4385	Secondary Music Ensemble Methods	3
MTC4207	Orchestration	2

Emphasis: Instrumental with Primary Instrument

Piano or Guitar **27 cr**

MUS3277	Advanced Conducting	2
MUP1001	Class Voice I or	
MUP2200	Private Voice	1
MUP3110	Private Piano - Major or	
MUP3150	Private Guitar - Major	7
MUP21XX	Applied Music	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
MUE4385	Secondary Music Ensemble Methods	3
MTC4207	Orchestration	2

EDUCATION

Physical Education & Health Major

Bachelor of Science

The Physical Education & Health major is designed to prepare teachers for teaching physical education K–12 and health education 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: natural science course BIO1009/1009L or BIO1011/1011L; social science course PSY2108.

Education Core 37 cr

EDU2215	Educational Foundations	2
EDU2215L	Educational Foundations Lab	0
EDU3205	Instructional Technology	2
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
EDU4415	Education Ethics [OCE]	2
EDU4835	Seminar in Professional Issues	1
EDU4945	Student Teaching in Physical Education - Elementary	7
EDU4946	Student Teaching in Physical Education - Secondary	7
EDU4947	Student Teaching in Secondary Health Education	5

Required Major Courses 54 cr

BIO3157/3157L	Human Anatomy or	
HPE2175	Anatomy of Human Movement	4
EPH4345	Methods of Teaching Elementary Physical Education	2
EPH4345L	Methods of Elementary Physical Education Lab	0
EPH4355	School Health Education Methods	2
EPH4355L	School Health Methods Lab	0
EPH4365	Methods of Teaching Secondary Physical Education	2
EPH4365L	Methods of Secondary Physical Education Lab	0
EPH4375	Adapted Physical Education (Grades K–12)	2
EPH4375L	Adapted Physical Education Lab	0
HPE1005	Foundations of Physical Education and Health	2
HPE2005	First Aid and Personal Safety	1
HPE2006	Sexuality Education	2
HPE2015	Techniques of Team Sports	3
HPE2016	Techniques of Individual and Lifetime Sports	4
HPE3005	Personal and Community Health	2
HPE3006	Human Nutrition	4
HPE3007	Coaching Theory	2
HPE3008	Health Behavior: Theory and Program Planning	2
HPE3075	Assessment & Measurement in Physical Education	2
HPE3275	Care and Prevention of Injuries	2
HPE3305	Health Education Curriculum and Instruction	3
HPE3376	Exercise Physiology	4
HPE3377	Biomechanics	4
HPE4075	Administration of Physical Education and Sport	2
HPE4305	Health and Fitness Evaluation and Diagnosis	2
PHE1065	Lifetime Fitness & Wellness	1

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SEE PAGE 50 FOR EXPLANATION AND PREREQUISITES.

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.

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
EDU3205	Instructional Technology	2
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
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 38 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	Socio-cultural Anthropology	4
POS1005	Introduction to Political Science	4
POS2005	United States National Government	4
SSE2005	Cultural History of Minnesota	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

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
EDU3205	Instructional Technology	2
EDU3209	Human Relations in a Cross-Culturally Diverse World (SEE CULTURAL & GLOBAL ENGAGEMENT REQUIREMENT ABOVE)	2
EDU3209L	Human Relations Lab (SEE CULTURAL & GLOBAL ENGAGEMENT REQUIREMENT ABOVE)	2
EDU3215	Educational Psychology	2
EDU3217	School Health and Drug Problems	2
EDU3225	Educating Multilingual Learners (SEE CULTURAL & GLOBAL ENGAGEMENT REQUIREMENT ABOVE)	2
EDU3235	Instructional Foundations [WCE]	3
EDU3255	Content Area Reading	2
EDU3285	Educating Diverse Learners	2
EDU3285L	Educating Diverse Learners Lab	0
EDU4415	Education Ethics [OCE]	2
EDU4835	Seminar in Professional Issues	1
EDU4965	Student Teaching in Visual Arts Education (Elementary)	7
EDU4966	Student Teaching in 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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SEE PAGE 50 FOR EXPLANATION AND PREREQUISITES.

Special Education Minor 16 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.

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 Diverse 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).

Nursing Program Admission Requirements

A University of Northwestern student who has declared a nursing major, after meeting the following requirements, will be able to progress into Term 1 nursing courses. Students must:

- Complete all pre-requisite courses with a “C” grade or higher.
- Have a GPA of 2.75 or higher at the start of Term 1 nursing courses.
- Pass the TEAS Entrance Exam (Test of Essential Academic Skills) with a score of 65% or higher.
- Have no more than 12 remaining core curriculum credits upon entering Term 1. These 12 remaining credits must be completed by the end of Term 3.
- Submit all required health and background check documents

For UNW students who are enrolled in the Post-Secondary Education Option (PSEO), have completed all pre-requisite science courses through UNW, and have a cumulative GPA of at least 3.75 two months prior to Term 1, the TEAS Entrance Examination requirement is waived.

Students will work collaboratively with the Nursing Program Student Success Coach and develop a plan for completing all requirements to progress into Term 1 nursing courses. In addition, students will be given the opportunity to choose the timing for entering into either the accelerated or traditional path. The School of Nursing will give consideration into each student's preference when determining placement into the accelerated or traditional path.

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 better) of all pre-requisite courses (BIO3145/3145L; BIO3157/3157L; BIO3158/3158L; CHE1021/1021L; ENG1105 or ENG1107; 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 core curriculum courses must be completed by the end of Term 3.
4. 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.

NURSING

BSN Start Date	Terms (Semesters)				Expected Graduation Date
Summer 2024 (Accelerated - May Start)	Term 1 - Summer '24	Term 2 - Fall '24	Term 3 - Spring '25	Term 4 - Summer '25	Sept '25
Fall 2024 (Trad)	Term 1 - Fall '24	Term 2 - Spring '25	Term 3 - Fall '25	Term 4 - Spring '26	May '26
Spring 2025 (Trad)	Term 1 - Spring '25	Term 2 - Fall '25	Term 3 - Spring '26	Term 4 - Fall '26	Dec '26
Fall 2025 (Trad and Accel)	Term 1 - Fall '25	Term 2 - Spring '26	Term 3 - (Accel) Summer '26	Term 4 - (Accel) Fall '26	Accel Dec '26
			Term 3 - (Trad) Fall '26	Term 4 - (Trad) Spring '27	Trad May '26

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 for core curriculum courses in the university catalog and for NUR courses in 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 (non-expired) records.

If the appropriate GPAs are not maintained, the School of Nursing may place the student on probation, dismiss the student from the nursing program, or to counsel the student into another program area.

A single nursing course (NUR prefix) may only be repeated one time, with a maximum of two (2) nursing courses (NUR prefix) total repeated within the program. This includes whether the student failed or withdrew from the course ("W" notation on transcript). The student who fails or withdraws from a third nursing course, or failed a single nursing course during the second attempt, will immediately be dismissed from the School of Nursing. All dismissal cases may be appealed.

In the event that a student withdraws from a nursing (NUR prefix) course due to extenuating circumstances, the student may appeal to the Admission and Progression committee to repeat the course without penalty.

Dismissed students need to turn in all uniforms and ID badges within 30 days of notification of dismissal.

In the event of extenuating circumstances, the student may petition the Admission and Progression Committee within 3 weeks (21 days) requesting permission to continue in the nursing program. Admission to the subsequent semester is not guaranteed.

Upon the first or second failure or withdrawal of any nursing course (NUR prefix) in the program, the student must write a letter to the Admission and Progression Committee of the School of Nursing, notifying the committee 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 based on course availability.

All nursing courses (NUR prefix) in a term must be repeated successfully prior to taking subsequent 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 non-nursing courses must be completed with submission receipt of final official transcript(s) to the Registrar 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.

Readmission in the Nursing Program

A student who wishes to be readmitted to the nursing program after a formal departure, 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.

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.

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](https://www.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

Nursing Major

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 Term 1 Nursing courses:

- 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, BIO3159, CHE1021/1021L, ENG1105 or ENG1107, 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 12 remaining credits from non-prerequisite courses.
- All prerequisite courses or their equivalents must be completed by the start of Term 1 of the nursing courses.
- All core curriculum courses must be completed by the end of Term 3.
- **Theological Philosophy** course in core curriculum: PHI2016
- **Leadership & Professionalism** course in core curriculum: NUR4316 instead of LDR4425
- **Cultural & Global Engagement** course in core curriculum: NUR3317
- **Scientific & Quantitative Literacy** courses in core curriculum: natural science course BIO1011/1011L; social science course PSY2108

Prerequisite Science Courses 19 cr

Minimum grade of C required.

BIO3145/3145L	Microbiology	4
BIO3157/3157L	Human Anatomy	4
BIO3158/3158L	Human Physiology	4
BIO3159	Pathophysiology	3
CHE1021/1021L	Principles of Chemistry I	4

Nursing Term Courses 45 cr

Minimum grade of C required in all NUR courses.

Term 1

NUR2215	Professional Nursing: Called to Serve	2
NUR2216	Assessment & Communication Strategies for Service	4
NUR2218	Foundational Adult Care Services	6

Term 2

NUR3215	Pharmacology and Therapeutic Services	3
NUR3216	Advanced Adult Care Services	7
NUR3217	Serving through Interprofessional Collaboration.	2

Term 3

NUR3315	Infant, Child, and Family Care Services	6
NUR3316	Psychiatric-Mental Health Care Services	3
NUR3317	Serving Transcultural Populations (SEE CULTURAL & GLOBAL ENGAGEMENT REQUIREMENT IN CORE CURRICULUM)	

Term 4

NUR4315	Evidence-Based Services	3
NUR4316	Leadership & Management in Healthcare (SEE LEADERSHIP & PROFESSIONALISM REQUIREMENT ABOVE)	
NUR4317	Community and Population-Based Care Services	4
NUR4318	Synthesis of Care Services	3
NUR4319	NCLEX-RN Preparation for Service (last 4 weeks of the Term)	2

Post-Baccalaureate Student

Post-Baccalaureate Required Core Curriculum Courses (22–24 credits)

BIA1007	Christian Thinking & Living (or BIB1826 Honors)	2
BIA1015	Interpreting Scripture (or BIA1827 Honors)	2
BIB4360	Systematic Theology (or BIB4825 Honors) or	
BIB4365	Historical Theology or BIB4460 Biblical Theology	4
LDR3415	The Self-aware Leader	0-2

ENG1107	College Writing & Research	4
MAT-prefix course	. . . . .	2-4
PHI2016	Ethics (SEE THEOLOGICAL PHILOSOPHY REQUIREMENT ABOVE)	
PSY2108	Lifespan Psychology (SEE SCIENTIFIC & QUANTITATIVE LITERACY REQUIREMENT ABOVE)	

School of Theology & Ministry

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 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 the graduate school and then complete the remainder of their graduate degree. Requirements for the MATS are listed in the graduate school catalog.

BIBLICAL & THEOLOGICAL STUDIES

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 8 cr

ACL2001	Elementary Greek I	4
ACL2002	Elementary Greek II	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 graduate degree program may substitute the following graduate-level courses into the undergraduate degree, in place of the related undergraduate courses, to fulfill major or core curriculum requirements. Refer to the College of Graduate, Online, & Adult Learning catalog for specific graduate program 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 Substitutions 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; one additional BIO-, CHE-, PHY-, or SCI-prefix course (4 credits)
- SCI3037

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).

Required Courses 24 cr

PHI2006	Fundamentals of Logic	2
PHI2016	Ethics	4
PHI3015	Early Philosophy	2
PHI3016	Modern Philosophy	2
PHI3025	God and Philosophy [WCE]	2
PHI3028	The Problem of Suffering	2
PHI3035	Metaphysics	2
PHI3057	Christian Apologetics	2
PHI3145	The Nature of Knowledge [OCE]	2
PHIX805	Topics in Philosophy or	
PHI2825	Honors Topics in Philosophy	2
PHI4855	Senior Capstone	2

Select from the following 6 cr

Must select at least one PHI-prefix course

Any course with PHI prefix*

ART3365	Aesthetics	2
BIB4365	Historical Theology	4
BIB4835	Seminar in Theological Method	4
LTH4155	Literary Theory	2
PHI2055	Introduction to Theological Philosophy	2
PHIX805	Topics in Philosophy or	
PHI2825	Honors Topics in Philosophy	2
PSY4306	History and Philosophy of Psychology	4
PHI/SCI3037	Science and Theology	4

Foreign Language 8 cr

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

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

Philosophy Minor 16 cr

Required Courses: Select 16 credits from PHI-prefix courses.

BIBLICAL & THEOLOGICAL STUDIES

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

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
	Theological Philosophy (select from list on page 43)	2

Select one of the following:

BIB4360	Systematic Theology (or BIB4825 Honors)	4
BIB4365	Historical Theology	4
BIB4460	Biblical Theology	4

Select additional BIB, BIA, or ACL credits 4

Leadership & Professionalism 4 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
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Effective Communication 3 cr

COM1075	Public Speaking (or COM1825 Honors)	3
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Critical Thinking & Information Literacy 4–5 cr

(reinforces Effective Communication outcomes)

ENG1107	College Writing & Research and, if required, ENG1107L English Composition Lab or LAN1107L English Composition Lab	4-5
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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
	Approved Cultural & Global Engagement Course or 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)
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 44)
MUST INCLUDE AT LEAST ONE MATHEMATICS AND ONE NATURAL SCIENCE COURSE.
EXCLUDES BIO1025.

Selectives 11 cr

Select any 1000 level or above courses to bring the total credits earned to at least 60.

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 an ACT English or ACT English/Writing score of 25 or higher or an SAT Writing and Language score of 32 or higher.
3. If none of the above methods apply, by completing ENG1105 or ENG1107.

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

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 Cross-Cultural Ministry, English Language Teaching, International Teaching, Media Ministry, Ministry, Next Generation Ministry, Nonprofit Leadership, Social Engagement, Spanish Language, 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 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 cultural engagement. 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 Organizational Leadership, Practical Theology, 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 the graduate school and then complete the remainder of their graduate degree. Requirements for the MAML and M.Div. are listed in the graduate school catalog.

CHRISTIAN MINISTRIES

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 ICS3005.
- **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 26 cr

COM3107	Intercultural Communication	4
ICS1008	Introduction to Missions	2
ICS2015	World Religions	4
ICS2045	Socio-cultural Anthropology (SEE SCIENTIFIC & QUANTITATIVE LITERACY REQUIREMENT ABOVE)	4
ICS3005	Human Global Migration [OCE] (SEE CULTURAL & GLOBAL ENGAGEMENT REQUIREMENT ABOVE)	4
ICS3107	Biblical Theology of Mission [WCE].	2
MIN2016	Biblical Interpretation for Study (SEE BIBLICAL THINKING & LIVING REQUIREMENT ABOVE)	4
MIN3206	Relationships	4
MIN3216	Leadership in Ministry	4

Select 6 credits from the following:

BIB3045	Theology for Social Engagement	2
BUS3235	Global Business	4
ICS2005	Evangelism and Discipleship	2
ICS3015	Race and Ethnicity in America	4
ICS3067	Social Justice	2
ICS3068	Relief and Development	2
ICS3069	Business as Mission	2
LDR3060	Foundations of Nonprofit Leadership	2
LIN2226	Introduction to Linguistics.	4
MIN3045	Developmental Foundations for Ministry.	4

Internship Core 4–5 cr

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

Course Requirements for Accelerated Intercultural Studies/MAML

Students who are accepted into the accelerated graduate degree program may substitute the following graduate-level courses into the undergraduate degree, in place of the related undergraduate courses, to fulfill major or core curriculum requirements. Refer to the College of Graduate, Online, & Adult Learning catalog for specific graduate program requirements.

Undergraduate Courses 14 cr

	Theological Philosophy (core curriculum)	2
MIN3216	Leadership in Ministry	4
	ICS Core Selectives	2
	Bible Exposition Selectives	2
	General Selectives	4

Graduate Courses Substitutions. 14 cr

BIA5021U	Apologetics	2
MIN5210U	Leading and Organizing Ministry	4
MIN5069	Missional Leadership	2
BIB6214U	Interpreting the Gospels	2
BIA5015U	Biblical Hermeneutics or	
MIN5045U	Human Development for Ministry	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.
- **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 Core 26 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

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

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.

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:

MEP3626-3628.	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
MIN3308	Leading Children and Families	2
YOU2205	Serving Youth and Emerging Adults.	2

Concentration Electives 6

Selected from courses with CFD, ICS, MIN, PSY, or SOC prefix; CRJ3228, CRJ4325, DES2111, LDR3135, MEP1012, or MEP1013.

Nonprofit Leadership Concentration (12 cr)

ICS3069	Business as Mission	2
LDR3060	Foundations of Nonprofit Leadership	2

Select 6 credits from the following:

ACC2101	Principles of Financial Accounting.	4
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, YOU prefix; or DES2111; or ENG3248.

CHRISTIAN MINISTRIES

Social Engagement 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.		

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 graduate degree program may substitute the following graduate-level courses into the undergraduate degree, in place of the related undergraduate courses, to fulfill major or core curriculum requirements. Refer to the College of Graduate, Online, & Adult Learning catalog for specific graduate program 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 Substitutions **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

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 Core16-18 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 Core14-16 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 graduate degree program may substitute the following graduate-level courses into the undergraduate degree, in place of the related undergraduate courses, to fulfill major or core curriculum requirements. Refer to the College of Graduate, Online, & Adult Learning catalog for specific graduate program 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 Substitutions..... 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: ICS3069, LDR3060, MIN3216 or MGT2271, and MKT1085 or ACC2101; select additional credits as needed from any ACC, BUS, COM (excludes COM10175, COM1825), 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)	4
MIN3045	Developmental Foundations for Ministry [WCE] (SEE SCIENTIFIC & QUANTITATIVE LITERACY REQUIREMENT ABOVE)	4
MIN3065	Digital Ministry	2
MIN3206	Relationships	4
MIN3207	Ministry in a Globalized World (SEE CULTURAL & GLOBAL ENGAGEMENT REQUIREMENT ABOVE)	4
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 16 cr

ACL2001	Elementary Greek I*	4
ACL2002	Elementary Greek II*	4
MIN3105	Leading in Pastoral Ministry	4
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 4 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. Core Curriculum requirements may not fulfill these major selectives.

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 graduate degree program may substitute the following graduate-level courses into the undergraduate degree, in place of the related undergraduate courses, to fulfill major or core curriculum requirements. Refer to the College of Graduate, Online, & Adult Learning catalog for specific graduate program requirements.

Undergraduate Courses 16 cr

MIN3105	Leading in Pastoral Ministry	4
MIN3045	Developmental Foundations for Ministry [WCE]	4
MIN3216	Leadership in Ministry	4
MIN4306	Preaching and Worship	4

Graduate Courses Substitutions 16 cr

MIN5310U	Pastoral Care	4
MIN5045U	Human Development for Ministry [WCE]	4
MIN5210U	Leading and Organizing Ministry	4
MIN5410U	Ministries of Preaching and Worship	4

Course Requirements for Accelerated Pastoral Ministry/M.Div.

Students who are accepted into the accelerated graduate degree program may substitute the following graduate-level courses into the undergraduate degree, in place of the related undergraduate courses, to fulfill major or core curriculum requirements. Refer to the College of Graduate, Online, & Adult Learning catalog for specific graduate program requirements.

Undergraduate Courses 32 cr

	Bible Exposition (core curriculum)	4
	Theology (core curriculum)	4
	Theological Philosophy (core curriculum)	2
MIN3105	Leading in Pastoral Ministry	4
MIN3045	Developmental Foundations for Ministry [WCE]	4
MIN3207	Ministry in a Globalized World	2
MIN3216	Leadership in Ministry	4
MIN4306	Preaching and Worship	4
	Major Selective	4

Graduate Courses Substitutions 32 cr

BIB6211U	Interpreting the Pentateuch	4
BIB6312U	Biblical Theology of Old & New Testaments	4
BIA5021U	Apologetics	2
MIN5310U	Pastoral Care	4
MIN5045U	Human Development for Ministry [WCE]	4
MIN5610U	Ministering Culturally and Globally	2
MIN5210U	Leading and Organizing Ministry	4
MIN5410U	Ministries of Preaching and Worship	4
HIS5019U	History of Christianity	4

Additional Graduate Courses

BIA5015U	Biblical Hermeneutics	4
BIB6214U	Interpreting the Gospels	2

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
- **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

MIN3045	Developmental Foundations for Ministry [WCE] (SEE SCIENTIFIC & QUANTITATIVE LITERACY REQUIREMENT ABOVE)	
MIN3205	Human Sexuality	4
MIN3231	Care and Counseling in Ministry	4
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 [OCE]	4
Select 2-4 credits from the following:		
CRJ3228	Deviance	4
CRJ4325	Juvenile Delinquency	2
ICS2045	Socio-cultural Anthropology	4
MIN3107	Spiritual Lives of Children	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

Professional Leadership Core 14 cr

MIN2016	Biblical Interpretation for Study (SEE BIBLICAL THINKING & LIVING REQUIREMENT ABOVE)	
MIN3206	Relationships	4
MIN3207	Ministry in a Globalized World (SEE CULTURAL & GLOBAL ENGAGEMENT REQUIREMENT ABOVE)	
MIN3216	Leadership in Ministry	4
MIN4991	Ministry Internship I	2
MIN4992	Ministry Internship II	2
MIN4855	Capstone	2

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

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.

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:		
MEP3626-3628	. . . . .	0-2
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, 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
Concentration Electives 4		
Selected from courses with CFD, ICS, MIN, PSY, or SOC prefix; CRJ3228, CRJ4325, DES2111, LDR3135, MEP1012, or MEP1013.		

Nonprofit Leadership Concentration (12 cr)

ICS3069	Business as Mission	2
LDR3060	Foundations of Nonprofit Leadership	2
Select 6 credits from the following:		
ACC2101	Principles of Financial Accounting	4
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 Engagement 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.		

CHRISTIAN MINISTRIES

Course Requirements for Accelerated Youth Studies/MAML

Students who are accepted into the accelerated graduate degree program may substitute the following graduate-level courses into the undergraduate degree, in place of the related undergraduate courses, to fulfill major or core curriculum requirements. Refer to the College of Graduate, Online, & Adult Learning catalog for specific graduate program requirements.

Undergraduate Courses	16 cr	Graduate Courses Substitutions	16 cr
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
Concentration Elective	4	BIA5015U Biblical Hermeneutics	4

Children and Family Ministry Minor 16 cr

Required Courses: MIN1007, 3045, 3107, 3218, 3308.

International Studies Minor 20 cr

(PQ: 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.* The remaining 4 credits are to be selected from BUS3235, COM3107, ICS2015, POS3205.

* SEE RELATED INFORMATION ON PAGES 20, 37-38

Social Engagement Minor 18 cr

Required Courses: BIB3045, ICS3067; one course from ICS3015 or MIN3205; one course from ICS3209 or MIN3207; select 8 credits from ICS, MIN, PHI, POS, PSY, SOC, or YOU prefix; SCI1010/1010L.

Youth and Emerging Adult Ministry Minor 18 cr

Required Courses: MIN1007, 3218; YOU2205, 3208; one course from MIN3045 or 3206.

OFFICE OF DUAL ENROLLMENT

A description of Dual Enrollment appears on page 38.

Dual Enrollment Online Courses

ACC2101	Principles of Financial Accounting	HIS1007	Survey of American History
ACL2001	Elementary Greek I	HIS3125	History of the Christian Church from Apostolic Times to the Present
ACL2002	Elementary Greek II	ICS2015	World Religions
ACL2021	Classical Latin I	ICS2045	Socio-cultural Anthropology
ACL2022	Classical Latin 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
BIB2005	Survey of the Old Testament	LIT2118	Multiethnic American Literature
BIB2008	Survey of the New Testament	MAT1005	Mathematics for the Liberal Arts
BIB3020	Life of Christ	MAT1035	Business Mathematics
BIB4360	Systematic Theology	MAT1126	Precalculus
BIB4365	Historical Theology	MAT2055	Statistics
BIB4460	Biblical Theology	MAT2121	Calculus and Analytic Geometry I
BIO1025	Medical Terminology	MAT2122	Calculus and Analytic Geometry II
BUS1115	Introduction to Spreadsheets	MAT3226	Applications of Digital Logic
BUS2011	Introduction to Business Analysis	MKT1085	Principles of Marketing
CHE1006	Concepts of Chemistry	PHE1066	Fitness and Health for Life
CHE1121	General Chemistry I**	PHI2005	Introduction to Philosophy
CHN1001	Beginning Chinese I	PHI2016	Ethics
CHN1002	Beginning Chinese II	PHI2055	Introduction to Theological Philosophy
COM1075	Public Speaking	PHI3057	Christian Apologetics
COM2008	Film Appreciation***	POS2005	U.S. National Government
COS2005	Python Programming	PSY1005	Introduction to Psychology
COS2015	Principles of Computing	PSY2108	Lifespan Psychology
COS3271	Programming I - Java	SCI1015	Environmental Science and Sustainability###
COS3272	Programming II - Mobile Application Development	SCI2108	Concepts of Astronomy
CRJ2125	Criminology	SOC1035	Introduction to Sociology
CYS2269	Computer Security Fundamentals	SPA1001	Beginning Spanish I
CYS3065	Systems Analysis and Design	SPA1002	Beginning Spanish II
DAL2012	Introduction to Data Analysis	STS1005	College Success
ECO2201	Principles of Economics I*	THE1055	Introduction to Theatre
ECO2202	Principles of Economics II**		
ENG1107	College Writing & Research		
ENG2205	Critical Thinking and Writing		
ENG2215	Writing Creative Nonfiction		
FIN2025	Personal Money Management		
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

**CHE1121 IS EQUIVALENT TO CHE1021

***COM2008 IS EQUIVALENT TO COM2007

+ ECO2201 IS EQUIVALENT TO ECO2211 AND ECO2212

++ ECO2202 IS EQUIVALENT TO ECO2213 (BUT ECO2213 IS NOT EQUIVALENT TO ECO2202)

GEO1007 IS EQUIVALENT TO GEO1005

GEO1017 IS EQUIVALENT TO GEO1015

###SCI1015 IS EQUIVALENT TO SCI1010

COURSE DESCRIPTIONS

Course Descriptions

Course Description Legend

COURSE CODE/COURSE TITLE NUMBER OF CREDITS

cr.	Credit(s)
OCE	Oral Communication Emphasis course: COM1075 or COM1825 as prerequisite (see page 50)
PQ	Prerequisite(s)
U suffix	Graduate-level course taken by approved undergraduate students
WCE	Written Communication Emphasis course: ENG1107, 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 online
##	Only offered through Dual Enrollment online
+	Course for which competency may be demonstrated
◇	Traditional Undergraduate courses also offered through Adult Undergraduate online
◇◇	Only offered through Adult Undergraduate online

Directed studies and topics courses are available. See pages 26–27, 30.

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

(BUS1115 and MAT1035 are recommended, both 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 \$100 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 \$100 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 \$100 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 \$100 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 \$100 course fee required.

ANI3106 Motion Design[§] 4 cr
(PQ: ANI1105 or DES2236) 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 \$100 course fee required.

ANI3201 Advanced Animation & Illustration I 4 cr
(PQ: ANI1105, ANI2201) This course is designed to give students the chance to explore specializations within the pipeline of animated short film production. Working in teams, students will be given different roles as illustrators, animators, 3D modelers and more in order to work through all the processes necessary to make a fully rendered animation from a script. A \$100 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 \$100 course fee required.

ANI3305 Character Design[§] 2 cr
(PQ: ART1011) This course continues material introduced in Drawing I (ART1011) while concentrating on developing aesthetically appealing characters. Complex designs are developed in conjunction with story, animation and cinematic concepts. A \$100 course fee required.

COURSE DESCRIPTIONS

ANI4302 Advanced Animation & Illustration II 4 cr
(PQ: ANI1105, ANI2201, and ANI3201) This course allows students to further explore their specializations within the process of creating short films. Students in this course will be given the opportunity to step into the positions of either lead designer, lead illustrator, key animator, lead modeler, or creative director as a senior member of a team. A \$100 course fee is 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 \$100 course fee required.

ANI4855 Senior Capstone^sOCE 2 cr
(PQ: COM1075 or COM1825, 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 \$100 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.

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 \$100 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 \$100 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 may be taken in the place 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 \$100 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 \$100 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 \$150 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 \$100 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 \$100 course fee required.

ART3112 Drawing II^s 2 cr
(PQ: ART1011) An advanced, studio-intensive drawing course that heightens students' two-dimensional skills, emphasizes using expressive qualities of art-making by investigating various media, techniques, and content. Experimentation and development of a personal visual language are encouraged. The course culminates in the production of a series of works that relate thematically. Critical thinking and discussion skills are emphasized. **Note:** This course is designated as repeatable and may be repeated two times for credit after the original taking of the course. A \$100 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 \$100 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 \$100 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 \$150 course fee required.

ART3253 Sculpture II, III, IV^s 3 cr
(PQ: ART2251) An advanced, studio-intensive course exploring sculptural expression through a variety of techniques to develop an understanding of the core concerns of sculpture while producing a body of related work from concept to final presentation. 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 \$100 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: ENG1107, 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 \$100 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^sOCE 3 cr
(PQ: COM1075 or COM1825, 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 \$100 course fee required.

ART4995 Art Internship 1–4 cr
(PQ: COM1075 or COM1825, 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

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. 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. 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 may be taken in the place 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 may be taken in the place of BIB2005.

BIB3015 Matthew^{}** 4 cr
An exposition of the Gospel of Matthew, examining the authorship, date, setting, argument and theology of the book.

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.

COURSE DESCRIPTIONS

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.

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 Romans2 cr
An exposition of Romans with an emphasis on Paul's theological message.

BIB3117 Galatians2 cr
An exposition of Galatians with an emphasis on Paul's theological message.

BIB3155 The Holy Spirit in the Christian Life2 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 Revelation4 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 Letters2 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 Gospels2 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 Prophets2 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 Genesis4 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 Psalms2 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 Daniel2 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 Solomon2 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 may be taken in the place of BIB4360.

BIB4835 Seminar in Theological Method*^{OCE}4 cr
(PQ: BIB4360 or BIB4825 or BIB4365 or BIB4460 and COM1075 or COM1825; 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 Gospels2 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 & Living2 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 may be taken in the place of BIA1007.

BIA1827 Honors Interpreting Scripture2 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 may be taken in the place 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: ENG1107, 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.

BIA5015U Biblical Hermeneutics*^{WCE}4 cr
(PQ: ENG1107, 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 Apologetics2 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.

COURSE DESCRIPTIONS

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.

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.

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.

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.

BIO1012 Principles of Biology II4 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).

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.

BIO2015 Sustainable Urban Agriculture2 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.

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.

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.

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.

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.

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.

BIO3017 Analysis of Vegetative Communities Lab2 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.

BIO3145/3145L Microbiology[§]4 cr

(PQ: C- or better in BIO1011 and C- or better in CHE1021) 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.

BIO3157/3157L Human Anatomy[§]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.

- BIO3158/3158L Human Physiology*** 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.
- BIO3159 Pathophysiology** 3 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.
- BIO3175/3175L Ecology* *** 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.
- BIO3235/3235L Biochemistry*** 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.
- BIO3236 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.
- BIO3246/3246L Genetics*** 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.
- BIO3276/3276L Field Biology*** 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.
- BIO3277/3277L Conservation Biology* *** 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.
- BIO3335 Molecular Medicine** 4 cr
(PQ: CHE3101; one semester of biochemistry is recommended) Builds upon Biochemistry to describe biochemical regulatory processes in greater breadth and depth with focused emphasis on therapeutic pharmaceutical agents and their mechanisms of action, development, regulatory approval, and laboratory synthesis. Trains students to critically evaluate data from a large variety of published sources covering experimental medicines, biological probes, and natural products.
- BIO3347 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.
- BIO3348/3348L Cell Biology* *** 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.
- BIO4355 Developmental Biology*** 4 cr
(PQ: C- or better in the following: BIO1012 and BIO3145, BIO3235, BIO3246, or BIO3348) Vertebrate embryology including morphogenesis, differentiation and interactive biochemical control mechanisms. Three lectures per week.
- BIO4359L Biotechnology Lab* *** 2 cr
(PQ: C- or better in the following: BIO3235 or BIO3246 or BIO3347 or BIO3348) A laboratory course providing practical experience in operating chemical instrumentation and performing molecular biology techniques that may include spectroscopy, chromatography, assays, and manipulation of nucleic acids. Two to three hours of lab per week. A \$200 laboratory fee required.
- BIO4835 Senior Seminar^{OCE WCE}** 2 cr
(PQ: ENG1107, ENG2205, or ENG2825, COM1075 or COM1825; 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.
- BIO4841 Research*** 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.
- BIO4995 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.

COURSE DESCRIPTIONS

Business

BUS1115 Introduction to Spreadsheets^o2 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^o2 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 I4 cr**

Intensive study of the Japanese language, specifically pertaining to business operations.

BUS2132 Business Japanese II4 cr**

Continued study of the Japanese language, specifically pertaining to business operations.

BUS3005 Principles and Practices of Leadership^s4 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^o4 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 Seminar^s2 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^o}4 cr

(PQ: junior standing; COM1075 or COM1825; ENG1107, ENG2205, or ENG2825; 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 Leadership4 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 Assessment1 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 Internship1 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 Internship1 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 Assessment1 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 Leadership2 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^o}4 cr

(PQ: COM1075 or COM1825; ENG1107, ENG2205, or ENG2825; 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.

CHE4841 Chemistry Research[§] 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.

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.

COURSE DESCRIPTIONS

Communication

Directed studies are available. See pages 26–27.

COM1075 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.

COM1825 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. COM1825 may be taken in the place of COM1075.

COM2007 Introduction to Film2 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.

COM2008 Film Appreciation3 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.

COM2107 Communication Theory4 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.

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.

COM3106 Organizational Communication4 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.

COM3107 Intercultural Communication4 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.

COM3108 Interpersonal Communication2 cr**

Understanding and improving interpersonal communication. Theories of interpersonal communication will be explored and areas of competence in communication behavior will be developed.

COM3135 Business Communication2 cr

(PQ: COM1075 or COM1825) Development of skills for writing effective business letters, memos and reports, presenting business reports orally, and writing letters of application and résumés.

COM3176 Advanced Public Speaking and Speech Writing.....4 cr

(PQ: COM1075 or COM1825) 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.

COM4105 Mass Media and Society^{OCE WCE}4 cr

(PQ: COM1075 or COM1825; and ENG1107, 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 Methods4 cr

(PQ: COM2107 and MAT2055 or PSY3005) 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 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 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.

COM4995 Communication Internship1–4 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.

Computer Science

COS1011 Principles of Computing I2 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.

COS2015 Principles of Computing**4 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. This course also provides the student with an introduction to data and databases, operating systems (Linux and Windows), and data analytics and data mining. Equivalent to COS1011 and COS2112. Only offered through Dual Enrollment.

COS2112 Principles of Computing II2 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 Language2 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 Language2 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.

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: COS2005) 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; COM1075 or COM1825; and ENG1107, ENG2205, or ENG2825) 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.

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 Justice4 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 Corrections4 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]; COM1075 or COM1825; and ENG1107, ENG2205, or ENG2825) 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 Delinquency2 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.

COURSE DESCRIPTIONS

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 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.

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; COM1075 or COM1825; and ENG1107, ENG2205, or ENG2825) 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.

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.

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 required.

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 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 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.

DAL4855 Senior Capstone* ^{OCE WCE} **.2 cr**
(PQ: C- or better in MGT2271, CYS3065 or DAL2235; COM1075 or COM1825; and ENG1107, ENG2205, or ENG2825) 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.

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 a higher-level goal of data mining. Familiarity with statistics, and database systems, in particular database design, is expected. A \$200 course fee required.

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.

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 \$100 course fee required.

DES2235 Digital Illustration[†] **.2 cr**
(PQ: DES1031 and DES2111, or ART1011 and ANI1005) 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 \$100 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 \$100 course fee required.

COURSE DESCRIPTIONS

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 \$100 course fee required.

DES3069 Design History2 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
(PQ: ANI1105 or DES2236) 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 \$100 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 \$100 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 \$100 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 \$100 course fee required.

DES4313 Graphic Design III[§]OCE4 cr
(PQ: DES3212, and DES3215 or concurrently enrolled; and COM1075 or COM1825) An advanced course designed to provide several research-based professional level projects. Emphasis is placed upon personal portfolio development, refinement and career preparation. A \$100 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 \$100 course fee required.

DES4995 Graphic Design Internship4 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 Economics2 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. ECO2211 and ECO2212 together are equivalent to ECO2201.

ECO2212 Principles of Macroeconomics2 cr
(PQ: ECO2211 or concurrently enrolled) 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. ECO2211 and ECO2212 together are equivalent to ECO2201.

ECO2213 Principles of Microeconomics2 cr
(PQ: ECO2212 or concurrently enrolled) 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: 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.

EDU3205 Instructional Technology. 2 cr
(PQ: admission to a teacher education program) In this course, students will learn to use current and emerging technologies to improve personal productivity and professional practice. Students will develop knowledge and skills in applying instructional design principles to create innovative learning environments that engage and support learning; creating, adapting, and personalizing learning experiences that foster independent learning and accommodate learning differences and needs; advocating, modeling, and teaching safe, legal, and ethical use of information and technology; and seeking professional, community, and technological resources as support for continual professional growth.

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; ENG1107, ENG2205, or ENG2825) 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.

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.

COURSE DESCRIPTIONS

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.

EDU4415 Education Ethics^{OCE} 2 cr
 (PQ: admission to a teacher education program and COM1075 or COM1825) 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
 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.

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.

CFD3325 Learning and Development in Young Children 2
 (PQ: CFD3205 or may be taken concurrently, PSY2108, and sophomore standing. Must be taken concurrently with ECE4316, or consent of School of Education.) 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.

CFD3335 Assessment in Early Childhood 2
 (PQ: CFD3205 or may be taken concurrently; must be enrolled in ECE 2216L or ECE 3306L. May also obtain consent from the School of Education to enroll with the expectation of independently arranging observation with young children) This course is an in-depth study of assessment practices and observation strategies for children birth thru age eight. Emphasis is on observational skills, play-based assessment, assessment tools and intervention strategies. With a focus on effective practice, students learn to conduct assessments, and select strategies to facilitate development and learning for infants, toddlers, pre-primary children, children in kindergarten and primary grades.

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			
Course Number	Title	Credits	Major or Endorsement Field
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

Elementary Education			
Course Number	Title	Credits	Major or Endorsement Field
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
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

COURSE DESCRIPTIONS

English as a Second Language Education			
Course Number	Title	Credits	Major or Endorsement Field
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			
Course Number	Title	Credits	Major or Endorsement Field
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			
Course Number	Title	Credits	Major or Endorsement Field
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			
Course Number	Title	Credits	Major or Endorsement Field
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
EDU4946	Student Teaching in Secondary Health Education	5	Physical Education & Health Major

Social Studies Education			
Course Number	Title	Credits	Major or Endorsement Field
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			
Course Number	Title	Credits	Major or Endorsement Field
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			
Course Number	Title	Credits	Major or Endorsement Field
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, COM1075 or COM1825 and admission to communication arts/literature education [grades 5–12] teacher education program. Must be taken concurrently with EDE4366 or 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, COM1075 or COM1825 and admission to communication arts/literature education [grades 5–12] teacher education program. Must be taken concurrently with EDE4366 or 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, COM1075 or COM1825 and admission to the communication arts/literature [grades 5–8] endorsement program.

Must be taken concurrently with EDE4356E.) 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; COM1075 or COM1825; 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; COM1075 or COM1825; and admission to the communication arts/literature [grades 5–12] teacher education program. Must be taken concurrently with EDE4100M or 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; COM1075 or COM1825; and admission to the communication arts/literature [grades 5–12] teacher education program. Must be taken concurrently with EDE4100M or 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: 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.

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. 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.

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.

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.

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.

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.

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.

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.

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, 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.

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.

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, EDU3235. Must be concurrently enrolled in EEL4327.) Observation and teaching in a kindergarten classroom required.

COURSE DESCRIPTIONS

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, 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, 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, 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.

Education – Music

Note: PQ for the following upper-level (3000–4999) Education courses include admission to a teacher education program.

MUE3601I Music Education Field Experience – Elementary Instrumental0 cr
(PQ: admission to the music teacher education program and completion of or concurrently enrolled 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 concurrently enrolled 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 Instrumental0 cr
(PQ: admission to the music teacher education program and completion of or concurrently enrolled in MUE4385, 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 concurrently enrolled in MUE4385, 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: MUH3105 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.

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.

COURSE DESCRIPTIONS

MUE4385 Secondary Music Ensemble Methods 3
(PQ: MUS3277; admission to the music education program; concurrent registration in MUS3602I or MUE3602V.) A course designed to acquaint students with the role of ensemble leadership in secondary education and to provide a foundation for teaching

secondary music ensembles. This course provides a study of essential musical and extra-musical aspects of administering the secondary ensemble music program. Methods and repertoire for secondary music ensembles 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.

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.

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.

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.

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.

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.

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.

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.

SSE2005 Cultural History of Minnesota 2 cr
An introduction to the cultural history of Minnesota, including the development of the Ojibwe & Dakota communities, European settlement, immigration and the rise of the Twin Cities. Selected topics will be explored through primary sources, music, art, and artifacts emphasizing visual and textual analysis.

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.

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.

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.

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: concurrently enrolled 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.

SPD4315 Measurement and Assessment in Special Education* .4 cr
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.

SPD2215L Introduction to Special Education Lab.0 cr
(PQ: concurrently enrolled in SPD2215.) Pre-student teaching field experience consisting of 10 hours in a special education classroom.

SPD4415 Behavioral Analysis: Classroom Methods/Interventions for Students Labeled EBD and LD6 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.

SPD3215 Children and Families with Special Needs*4 cr
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.

SPD4415L Special Education Field Experience0 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.

SPD3218 Special Education: Due Process, Trends and Problems* . .2 cr
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.

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 Teachers2 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.

EAR4465 Art Methods for Secondary Art Teachers2 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.

EAR4345L Art Methods for Elementary Teachers Lab0 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.

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.

COURSE DESCRIPTIONS

Education – World Language

WLE4415 Methods and Materials for Language Teaching4 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 Elementary0 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 Language1 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 Secondary0 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. A \$200 course fee required.

EGR2108 Electronics and Electrical Circuits Laboratory[§]2 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 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[§]3 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[§]3 cr
(PQ: CHE1021 or CHE1121, 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[§]3 cr
(PQ: CHE1021 or CHE1121, 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[§]3 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[§]3 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.

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[§] 3 cr
(PQ: EGR2105) Topics include design loads per structural and building codes; Support reactions; Structural stability and determinacy; Determine 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[§] 3 cr
(PQ: EGR3225 and MAT3335) 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 EGR327 or concurrently enrolled) 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[§] 3 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.

EGR3347 Geotechnical Engineering[§] 3 cr
(PQ: EGR3246) 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.

EGR3348 Soils Testing Laboratory[§] 2 cr
(PQ: EGR3246, and EGR3347 or concurrently enrolled) 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. A \$200 course fee required.

EGR4235 Embedded System Design[§] 3 cr**
(PQ: EGR3335) 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[§] 3 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.

EGR4245 Design of Reinforced Concrete[§] 3 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[§] 3 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.

COURSE DESCRIPTIONS

EGR4295 Professional Engineering Practice[§] 2 cr
(PQ: minimum of 34 EGR-prefix credits or consent of instructor.) The practice and responsibilities of a professional engineer are presented and discussed in various ethical, legal, and business contexts. The process and maintenance requirements for state licensure and membership in the National Society of Professional Engineers are reviewed. Preparation for the Fundamentals of Engineering exam is implemented in order to initiate the licensure process. A \$200 course fee required.

EGR4311 Engineering Design I^{§WCE} 3 cr
(PQ: ENG1107, 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^{§OCE} 3 cr
(PQ: EGR4311; and COM1075 or COM1825) 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^{ §}** 3 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^{ §}** 3 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^{ §}** 3 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^{ §}** 3 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.

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.

ENG1107 College Writing & Research[§] 4 cr
(To be taken concurrently with ENG1107L, if required) A writing course designed to prepare students for college-level thinking and writing. Emphasis will be placed on skills used in writing and research processes, including information literacy, critical thinking, argumentation, drafting and revision, and editing. Students will undertake writing of various genres, including a research paper. Equivalent to ENG1105 and ENG2205.

ENG1107L English Composition Lab 1 cr
(To be taken concurrently with ENG1107, if required) Reinforcement of skills used in college-level writing, including an emphasis on compositional strategies and editing. This course supports students in ENG1107.

ENG2146 Professional Writing 2 cr
(PQ: ENG1105, ENG1107, or ENG1825, or consent of instructor) A writing course that explores the principles and forms of professional writing. Special attention is given to workplace-based genres, clear & concise writing, and adaptation to developing contexts and industry needs. Students will explore writing in the workplace across various potential career paths and industries.

ENG2205 Critical Thinking and Writing# 2 cr
(PQ: ENG1105, ENG1825, or equivalent) 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. This course is designed to be taken in sequence with ENG1105/1825 and may also be required for students whose transfer Composition courses are not equivalent to ENG1107 College Writing & Research.

ENG2215 Writing Creative Nonfiction# 2 cr
(PQ: ENG1105, ENG1107, 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, ENG1107, 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, ENG1107, 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, ENG1107, 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.

ENG3125 Structure of English Grammar 4 cr
(PQ: ENG1105, ENG1107, 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, ENG1107, 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, ENG1107, or ENG1825) Principles and forms of technical writing, including writing technical instructions, technical descriptions and technical reports.

ENG3248 Grant Writing 2 cr
(PQ: ENG1107, 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, ENG1107, 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.

ENG3316 Freelance Content Writing* 2 cr
(PQ: ENG1105, ENG1107, 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: ENG1107, 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^{OCE} 2 cr
(PQ: ENG1107, ENG2205, or ENG2825; ENG2215; ENG2216; ENG2217; ENG4435; COM1075 or COM1825; and 4 credits from ENG3210, ENG3219, 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^{OCE} 2 cr
(PQ: ENG1107, ENG2205, or ENG2825; COM1075 or COM1825; 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).

COURSE DESCRIPTIONS

English for Non-Native Speakers

LAN1107L English Composition Lab1 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 ENG1107.) Reinforcement of skills used in college-level writing, including an emphasis on compositional strategies and editing. This course supports students in ENG1107 whose first language is not English.

English as a Second Language (TESOL)

ESL3210 Introduction to Sociolinguistics2 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 Society4 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 Acquisition4 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 – TESOL2 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 – TESOL2 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 I2 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 II2 cr
(PQ: FIN2221 or ACC3201 or concurrently enrolled in FIN2221 or 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 Investments4 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.

FIN3226 Money and Banking4 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 Estates2 cr
(PQ: C or better in BUS3331) An advanced analysis of the various tools of estate planning, including trusts and wills.

FIN4325 Wealth Management4 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 Research2 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 Management2 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 Internship1 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 troubleshooting. It also introduces students to common, full-featured desktop applications such as word processing, spreadsheets, Internet, and multimedia. Software specific to the course includes a web browser, screen recording tool, Microsoft Office 365 (including Word, Excel, PowerPoint, and OneNote), and Google Sites. Skills gained in the course will provide a foundation for using these applications in other Northwestern courses and in various careers. 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 100–104 and 112.

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.

COURSE DESCRIPTIONS

HPE2175 Anatomy of Human Movement4 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 Health2 cr

A study of personal and community problems in selected physical, emotional, social, spiritual and mental areas.

HPE3006 Human Nutrition4 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 Planning2 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 Athletics2 cr**

Techniques, rules, problems and procedures in officiating high school basketball, volleyball and baseball.

HPE3015 Adapted Fitness and Activity2 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 Management4 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 Aid1 cr**

(PQ: HPE2005) Advanced first aid training techniques.

HPE3275 Care and Prevention of Injuries2 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 Instruction3 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.

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 Healthcare⁰⁰4 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 online through Adult Undergraduate. Included in the Traditional Undergraduate tuition block.

HCM4085 Healthcare Leadership⁰⁰4 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 online through Adult Undergraduate. Included in the Traditional Undergraduate tuition block.

HCM4087 Healthcare Law and Ethics⁰⁰2 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 online through Adult Undergraduate. Included in the Traditional Undergraduate tuition block.

HCM4089 Finance Systems in Healthcare⁰⁰4 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 online through Adult Undergraduate. Included in the Traditional Undergraduate tuition block.

Health Sciences

HSC4835 Senior Seminar for the Health Sciences^{OCE WCE}2 cr

(PQ: ENG1107, ENG2205, or ENG2825, COM1075 or COM1825, 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 Internship1-4 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.

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.

HIS1005L Historical Perspectives Lab1 cr

(Required of students with ACT Composite score of 20 or below, high school cum GPA of 2.66 or below, or First-Generation Student with 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.

HIS2001 U.S. History to 18774 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.

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.

HIS2002 U.S. History since 18774 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.

HIS1825 Honors Historical Perspectives on Culture, Belief, and Civilization4 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 may be taken in the place of HIS1005.

HIS2005 Introduction to Historical Studies2 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.

HIS1826 Honors Seminar in Humanities4 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

HIS3095 Digital History, Public History, and Archiving4 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.

COURSE DESCRIPTIONS

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: 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: 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.

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, ENG1107, ENG2205, or ENG2825, and COM1075 or COM1825; 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 may be taken in the place 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 may be taken in the place 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 may be taken in the place 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 may be taken in the place 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 may be taken in the place 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 may be taken in the place of BIB4360.

BIO2825/2825L Honors Topics in Biology*^s **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.

COM1825 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. COM1825 may be taken in the place of COM1075.

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 may be taken in the place 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 **0-1 cr**
A required meeting time for members of the Eagle Scholars Honors Program. **Note:** This course is designated as repeatable.

COURSE DESCRIPTIONS

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 may be taken in the place 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 may be taken in the place 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.

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 Religions⁶ 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 Socio-cultural Anthropology⁶ 4 cr
 An exploration of the field of socio-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.

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 America⁶ 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 1-3 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 abroad or field experience.

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 Development⁶ 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: COM1075 or COM1825) 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 ENG1107, 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.

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.

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.

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.

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.

IDS4845 Capstone Project^{OCE WCE} 4 cr
(PQ: For approved Interdisciplinary Studies majors with senior standing only; COM1075 or COM1825 and ENG1107, ENG2205, or ENG2825) Development of a collection of work demonstrating that major outcomes have been met.

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.

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.

IDS3828 Honors Lab 0 cr
(PQ: student must be enrolled as an Eagle Scholar; consent of instructor) Supervised venue for Eagle Scholar to complete an honors component while concurrently enrolled in a non-honors course approved by a cooperating faculty member and the Honors Director. Ten to fifteen hours of work is required, and should involve a discussion component. **Note:** This course is designated as repeatable.

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.

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).

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.

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.

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.

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.

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

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.

COURSE DESCRIPTIONS

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: ENG1107, ENG2205, or ENG2825; COM1075 or COM1825; 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. LDR1011 and LDR2112 together are equivalent to LDR1015. 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. Equivalent to LDR1011 and LDR2112. 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 may be taken in the place 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. LDR1011 and LDR2112 together are equivalent to LDR1015. 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, ENG1107, 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, ENG1107, 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: ENG1107, ENG2205, or ENG2825, COM1075 or COM1825, 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^{OCE WCE} 2 cr
(PQ: ENG1107, ENG2205, or ENG2825; LIN4425; COM1075 or COM1825; 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. 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, ENG1107, 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.

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: ENG1107, ENG2205, or ENG2825, or concurrently enrolled) Reading, analysis and discussion of selected Shakespearean plays.

LIT3145 Contemporary World Literature 2 cr
(PQ: ENG1107, 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: ENG1107, 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.

COURSE DESCRIPTIONS

LIT3225 Survey of American Literature 4 cr
(PQ: ENG1107, ENG2205, or ENG2825, or concurrently enrolled)
Reading, analysis, and discussion of a diverse selection of American literature from the colonial era through the twentieth century.

LIT3235 Survey of British Literature 4 cr
(PQ: ENG1107, ENG2205, or ENG2825, or concurrently enrolled)
Reading, analysis, and discussion of a diverse selection of British literature from its beginnings through the twentieth century.

LIT3255 Young Adult Literature 2 cr
(PQ: ENG1107, 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.

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: ENG1107, ENG2205, or ENG2825; LTH4155; COM1075 or COM1825; 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: ENG1107, 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^o 4 cr
This introductory course surveys the essential theories of business management and their application to maximize workforce performance. Topics investigated include general management responsibilities such as organizational planning, utilizing metrics, and motivating work teams.

MGT3075 Entrepreneurship^o 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^o 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^o 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^o 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^o 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^o 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 Policies⁹.....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).

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.

MKT3188 Advertising and Promotion.....4 cr
(PQ: C or better in MKT1085; and COM1075 or COM1825) Analysis of the role of advertising and sales promotion in marketing. Subject areas treated include advertising strategy, agencies, media and consumer motivation.

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.

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.

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.

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
(Two years of high school algebra is recommended) 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.

real numbers, geometry, probability, statistics, algebra, sets and mathematics of finance, fractions, decimals and numeration systems.

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, if required.) 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.

MAT1035 Business Mathematics[#].....4 cr
(Two years of high school algebra is recommended) 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.

MAT1006 Mathematics for Elementary School Teachers.....4 cr
(Two years of high school algebra is recommended) 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,

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, if required.) 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.

COURSE DESCRIPTIONS

MAT1126 Precalculus[#] 4 cr
(Two years of high school algebra required) 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.

MAT2055 Statistics[#] 4 cr
(Two years of high school algebra is recommended. To be taken concurrently with MAT1035L, if required.) 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.

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
(PQ: B- or better in MAT2055 or MAT2121 recommended) 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.

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.

MAT4845 Senior Project^{OCE WCE}2 cr
(PQ: ENG1107, ENG2205, or ENG2825, COM1075 or COM1825, 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: 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.

MEP1012 Audio Production3 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.

MEP1013 Video Production4 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.

MEP1016 Story Structure4 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.

MEP2115 Production Technology2 cr
(PQ: MEP1012, MEP1013, or consent of instructor) An introduction to the technical equipment used in film, radio and other media productions. Students will learn the basic production components and processes found in the production environment including set-up, operational logistics, signal flow, troubleshooting, and maintenance.

MEP3045 Directing the Actor3 cr
The class provides students with the study of techniques, approaches, and hands-on experience in directing actors in film.

MEP3115 Scriptwriting4 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 Business4 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 Production4 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 Strategies3 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 Marketing major.)

MEP3135 Single Camera Production3 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-Production4 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 Lighting2 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).

MEP3626 Five16 Film Workshop0-1 cr
This course provides students with hands-on experience and training in writing, directing, producing and editing different types of video productions. Students will work in crews (teams) in bringing a project from conception to completion. **Note:** This course is designated as repeatable.

MEP3627 Journalism & Video Workshop0-1 cr
Laboratory experience in the production of television news. Northwestern Live (7) is a news program produced for distribution over the local cable television system. Students are involved in all aspects of the production.

COURSE DESCRIPTIONS

MEP3628 Radio & Podcasting0-1 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.

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.

MEP4855 Senior Capstone3 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^o4 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^o2 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 Practice2 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.

MIN3045 Developmental Foundations for Ministry^{WCE o}4 cr
(PQ: ENG1107, 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^o2 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 Planting2 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^{*}.....4 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 Children2 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 Sexuality4 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^o4 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^o.....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^o4 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; COM1075 or COM1825) 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.

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^s **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 **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. **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^{*} **4 cr**
(PQ: ENG1107, 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.

MIN5310U Pastoral Care. **4 cr**
(PQ: MIN1007) This course examines the theological foundations and practice of pastoral care. Consideration is given to personal discipleship, the shepherding role, counseling, the ordinances, relational skills, and assessing church health.

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.

MIN5410U Ministries of Preaching and Worship **4 cr**
(PQ: BIA1015 or BIA1827 or MIN2016) This course will focus on the public delivery of God's Word and on the creation and leadership of corporate worship.

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.

COURSE DESCRIPTIONS

MIN5993U Graduate Internship I1 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 II1 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 Lens2 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 Piano1 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.

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: Private lessons are designated as repeatable unless designated otherwise.

Applied numbers:
2XXX: All music minors, elective students, and secondary instrument study for music majors.
3XXX: All music majors primary instrument

MUP3110 Private Piano - Major 1-2 cr
 (PQ: Acceptance by audition as a music major) Private piano lessons for piano majors. Required piano lab meets weekly with the studio teacher.

MUP2200 Private Voice 1-2 cr
 (PQ: audition for first semester of study) Private, individual voice lessons for music minors, elective students, and secondary instrument study for music majors.

MUP2227 Private Organ 1-2 cr

MUP3100 Private Voice - Major 1-2 cr
 (PQ: Acceptance by audition as a music major) Private, individual voice lessons for vocal music majors. Required Vocal Lab class meets weekly with studio teacher.

MUP2230 Private String 1-2 cr
MUP3130 Private String - Major 1-2 cr
 (PQ: Acceptance by audition as a music major) Private string lessons for string majors. String Lab, GSR & Jury required.

MUP2210 Private Piano 1-2 cr
 (PQ: audition for first semester of study) Private piano lessons for music minors, elective students, and secondary instrument study for music majors.

MUP2240 Private Woodwind 1-2 cr
MUP3140 Private Woodwind - Major 1-2 cr
 (PQ: Acceptance by audition as a music major) Private woodwind lessons for woodwind majors. Wind Lab, GSR & Jury required.

MUP2250 Private Guitar 1–2 cr
MUP3150 Private Guitar - Major 1–2 cr
 (PQ: Acceptance by audition as a music major) Private guitar lessons for guitar majors. String Lab, GSR & Jury required.

MUP2270 Private Brass 1–2 cr
MUP3170 Private Brass - Major 1–2 cr
 (PQ: Acceptance by audition as a music major) Private brass lessons for brass majors. Wind Lab, GSR & Jury required.

MUP2280 Private Percussion 1–2 cr
MUP3180 Private Percussion - Major 1–2 cr
 (PQ: Acceptance by audition as a music major) Private percussion lessons for percussion majors. Wind Lab, GSR & Jury required.

MUP2290 Private Harp 1–2 cr
MUP3190 Private Harp - Major 1–2 cr
 (PQ: Acceptance by audition as a music major) Private harp lessons for harp majors. String Lab, GSR & Jury required.

MUP2260 Private Composition 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. Required Composition Lab meets weekly with the composition teacher.

MUP3160 Private Composition - Major 1–2 cr
 (PQ: Acceptance by audition as a music major; 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.

MUP2360 Private Counterpoint 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.

MUP3360 Private Counterpoint - Major* 2 cr
 (PQ: Acceptance by audition as a music major; 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.

MUP2228 Private Songwriting 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.

MUP2258 Private Commercial Guitar 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.

MUP2288 Private Drum Set 1–2 cr
 (PQ: audition for first semester of study) Private drum set lessons as a non-music major elective student.

MUP2358 Private Electric Bass 1–2 cr
 (PQ: audition for first semester of study) Private electric bass lessons as a non-music major elective student.

MUP3307 Private Conducting 1–2 cr
 (PQ: MUS3277 or consent of instructor) A continuation of conducting study with emphasis on expressive elements, score study, and rehearsal techniques.

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. A \$200 course fee required.

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. A \$200 course fee required.

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. A \$400 course fee required.

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[§] 0–2 cr
MEN3040 Symphonic Band[§] 0–2 cr
MEN3041 Jazz Ensemble[§] 0–1 cr
MEN3042 Chamber Music 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.

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.

COURSE DESCRIPTIONS

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.

MUS4405 Vocal Pedagogy*2 cr
(PQ: Successful completion of the Music Major Progress Interview, or consent of instructor; vocal performance specialization students to take concurrently with MUS4841) A study of the basics of vocal production for singing and speaking: volition, body alignment, respiration, phonation, registration, resonance, articulation, and coordination. Anatomy and physiology of the vocal mechanism and its processes for vocal production. Mind-body integration concepts. Introductory information and techniques for healthy and efficient singing and speaking. Includes some out-of-class observations. Prerequisite for registration in MUS4405 for B.M.E. Piano Majors with Voice Emphasis is the completion of the minimum vocal proficiency requirements.

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; vocal performance specialization students to take concurrently with MUS4405) 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; ENG1107, 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; ENG1107, 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 Music2 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, including worship music in the American Christian church.

MUH3106 Music in World Cultures2 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.

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.

MCH4995 Music Ministry Internship2 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: COM1075 or COM1825 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.

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 is designed for those exploring the possibility of a career in nursing, enabling students to evaluate their interests, capabilities, and compatibility with the nursing profession. Utilizing a mix of self-assessment tools, students will reflect on their values and interests concerning nursing. Career exploration activities provide a broad overview of the nursing field, including its various specialties, practical experiences, and potential career paths. Through this holistic approach, students are equipped to make informed decisions about pursuing a nursing career, aligning their personal and professional aspirations with the realities of the profession.

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 course will explore ways students can be successful in the School of Nursing program. Skills and abilities characteristic of a professional nurse will be emphasized. Topics of professionalism, resilience, self-care, patient advocacy, nursing judgment, leadership, and current trends in nursing will be addressed.

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.

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 \$260 clinical fee required.

NUR3215 Pharmacology and Therapeutic Services **.3 cr**
(PQ: C or better in NUR2215, NUR2216, 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.

COURSE DESCRIPTIONS

NUR3216 Advanced Adult Care Services[§] 7 cr
(PQ: C or better in NUR2215, NUR2216, 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 \$260 clinical fee required.

NUR3217 Serving Through Interprofessional Collaboration 2
This course introduces students to the defining characteristics and competencies of interprofessional practice incorporating a biblically based Christian worldview. It focuses on the nurse as a member and leader of the interprofessional collaborative team. Emphasis is on communication, teamwork, and knowledge integral to the discipline of professional nursing.

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 \$260 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 \$260 clinical fee required.

NUR3317 Serving Transcultural Populations[§] 3 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 \$260 clinical fee required.

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 Leadership & Management in Healthcare[§] 3 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, cultural considerations, government policy and regulations impacting healthcare, and servant-leadership principles. A \$260 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 \$260 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 \$260 clinical fee required.

NUR4319 NCLEX-RN Preparation for Service 2 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. 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.

PHI3015 Early Philosophy 2 cr
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.

PHI3016 Modern Philosophy2 cr

A survey of the history of philosophy from Descartes to the close of the 20th Century. The course focuses on major developments and figures in philosophic thought with particular attention to Descartes, Hume, Kant, the Existentialists, Postmodernists, and Analytic philosophers. The course will also trace the relationship between Christianity and movements in the last four centuries of philosophy.

PHI3025 God and Philosophy2 cr

(PQ: ENG1107, ENG2205, or ENG2825) This course is a critical examination of historical and contemporary views on several philosophical problems addressed by Christians and those in other monotheistic religions for centuries. These include such questions as the following: Does God know the future? How could God be absolutely sovereign and people be free? Since there is evil, what sense can be made of the claim that "God is good"?

PHI3028 The Problem of Suffering2 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 Metaphysics2 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 Theology4 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^{OCÉ}2 cr

(PQ: COM1075 or COM1825) 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 Thought4 cr

(PQ: ENG1105, ENG1107, 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.

PHI4855 Senior Capstone2

(PQ: senior standing) In this capstone project, students will write a substantial paper under the supervision of a philosophy faculty member. The paper will address a philosophical issue and require an integration of themes in metaphysics, epistemology, and/or ethics, as well as advanced research skills and a demonstrated awareness of the history of the issue.

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^{5**}**1 cr**PHE1057 Golf⁵**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.

COURSE DESCRIPTIONS

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**2 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 better 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 or concurrently enrolled; one year of high school physics or PHY1101 recommended) Calculus-level, general physics course stressing the use of fundamental principles to solve quantitative problems related to mechanics, rotations, and waves. Specific topics include motion in one dimension, vectors, motion in two and three dimensions, force and Newton's laws, particle dynamics, work and energy, conservation of energy, conservation of momentum, 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 Science4 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 Government0-1 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 Internship1-8 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.

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.

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.

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.

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.

PSY3005 Statistics and Research for the Social Sciences 4 cr
(To be taken concurrently with MAT1035L, if required.) This course introduces students to descriptive and inferential statistics and experimental/non-experimental methods used in social science research. Students will gain conceptual and working knowledge of measures of central tendency and dispersion, z-scores, correlation and regression, hypothesis testing, parametric tests (t tests and one-way ANOVA) and nonparametric tests (sign test, U test, and chi-square). Attention is given to writing research results using APA guidelines.

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 exploration of etiology, diagnostic considerations, and cultural factors will be emphasized. Clinical and scientific research will be examined to understand psychopathology and mental health.

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: PSY3005) 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.

COURSE DESCRIPTIONS

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.

PSY4025 Foundations of Health Psychology^o 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 online through Adult Undergraduate. Included in the Traditional Undergraduate tuition block.

PSY4026 Stress Management Strategies^o 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 online through Adult Undergraduate. Included in the Traditional Undergraduate tuition block.

PSY4027 Pain Management Strategies^o 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 online through Adult Undergraduate. Included in the Traditional Undergraduate tuition block.

PSY4305 Measurement and Assessment* 4 cr

(PQ: PSY3005 and PSY3207) 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^o 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^o 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. Only offered online through Adult Undergraduate. Included in the Traditional Undergraduate tuition block.

PSY4365 Family Communication and Relationships^o 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^o 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. Only offered online through Adult Undergraduate. Included in the Traditional Undergraduate tuition block.

PSY4407 Integration of Psychology and Theology^o** 4 cr

(PQ: PSY3207, ENG1107, 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^o** 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 online through Adult Undergraduate. Included in the Traditional Undergraduate tuition block.

PSY4835 Senior Seminar in Psychology^{OCE WCE} 4 cr

(PQ: PSY3308; BIB4360 or BIB4825 or BIB4365 or BIB4460; ENG1107, ENG2205, or ENG2825; COM1075 or COM1825; 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.

PSY4841 Directed Psychological Research I 1-4 cr

(PQ: PSY3005 or 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: PSY3005 or 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.

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* 2 cr

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, professional workshops, product launches, events sponsorship and coordination with partner organizations. Discussion of public relations tactics is integrated into the course.

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.

PRL3625 Public Relations Workshop 0-1 cr

This course provides 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 other student-led workshops. Students choose from various PR activities including web strategy and content, social media, publicity, news, and research.

PRL4385 Public Relations Cases and Crisis Communication ... 4 cr

(PQ: PRL2085) 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.

PRL4855 Senior Capstone 3 cr

(PQ: PRL4385 and senior standing) 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.

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 Introduction to Scientific Thought** 2 cr

An examination of the history, development, philosophy and practice of the natural sciences in the Western world from prehistory to the present day. Laboratory exercises may include fundamental concepts in astronomy, biology, chemistry, geology, and physics.

SCI1010/1010L Environmental Science⁵ 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.

COURSE DESCRIPTIONS

SCI1015/1015L Environmental Science and Sustainability5 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 Medicinal Chemistry and the Drug Discovery Process . . .2 cr
(PQ: One year of high school algebra recommended) This course offers a layperson's overview of the drug development timeline from early discovery research with natural sources through human clinical trials, regulatory approval, and accompanying concerns of financial and ethical significance. The scientific foundation explores the distinction between natural and synthetic, means of measuring efficacy and toxicity, and equips students to make informed decisions about pesticide use, artificial sweeteners, pseudoscience, and related health practices for their own lives. Infrequent lab work may include purification of the chemical constituents of coffee, bananas, herbs, spices, and other foods and medicines.

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.

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 I4 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: ENG1107, ENG2205, or ENG2825; COM1075 or COM1825; 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 Stories4 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.

Study Strategies

STS1005 College Success##..... 2 cr
This course aims to equip students with the knowledge and skills necessary for a successful academic journey and to prepare them for personal and professional success in a collegiate environment. Only offered through Dual Enrollment.

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.

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.

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.

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.

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.

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.

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.

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.

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 improvisational exercises and how they relate to acting, masking and puppetry. Students will work extensively with partners and improvisational teams to create scenarios, scenes and skits, utilizing acting, masking and puppetry skills. This course is designed for students desiring to enhance their communication skills, acting skills and overall performance effectiveness.

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.

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.

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.

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.

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 2 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.

THE3055 Theatrical Sound and Lighting Design 2 cr
A course in the design of theatrical lighting and sound, and in the practical application of these designs on the stage, including churches. Students will develop skills in design, drafting and presentation; use current lighting and sound technology; and create lighting cues, lighting plots, electrician schedules, sound plots, sound cues and sound recordings based on the interpretation of a theatrical script.

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. See page 15 for related fee information.

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: COM1075 or COM1825) 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: ENG1107, 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[§] 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[§] 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 Seminar⁶ 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: COM1075 or COM1825 and 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 Career & Leadership Development at career@unwsp.edu for more information.

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	3 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	ASI3770	Marine Invertebrates	4 cr
ASI3220	Aquatic Biology	4 cr	ASI3780	Field Geology in Michigan	4 cr
ASI3230	Stream Ecology	4 cr	ASI3890	Special Topics	4 cr
ASI3310	Ecological Analysis in R	4 cr	ASI3900	Directed Individual Study	1–4 cr
ASI3300	Geographic Information Systems	4 cr	ASI3910	Research Methods I	2 cr
ASI3320	Environmental Chemistry	4 cr	ASI3920	Research Methods II	2 cr
ASI3420	Fish Ecology and Management	4 cr	ASI4710	Conservation Biology	4 cr
ASI3430	Sustainability, Tropical Agriculture, and Missions	4 cr	ASI4780	Alpine Ecology	4 cr
ASI3450	Wildlife Ecology	4 cr	ASI4820	Restoration Ecology	4 cr
ASI3540	Environmental Justice	4 cr	ASI4990	Research	1–6 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.

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).

SPN1110	Beginning Spanish I	3 cr	SPN3510	Composition and Grammar Review	3 cr
SPN1120	Beginning Spanish II	3 cr	SPN3520	Hispanic World Today	3 cr
SPN2110	Intermediate Spanish I	3 cr	SPN3530	Literature and Culture of Spain I	3 cr
SPN2120	Intermediate Spanish II	3 cr	SPN3540	Literature and Cultures of Latin America	3 cr
SPN3010	Spanish Grammar Review	3 cr	SPN3600	Spanish for Native Speakers	3 cr
SPN3220	Spanish Conversation and Composition	3 cr	SPN3630	Literature and Cultures of Spain II	3 cr
SPN3230	Intermediate Spanish Conversation and Composition	3 cr	SPN4580	Contemporary Spanish-American Writers	3 cr
SPN3500	Communication in Spanish	3 cr	SPN4600	Spanish Phonetics	3 cr
			SPN4610	Advanced Spanish Grammar	3 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 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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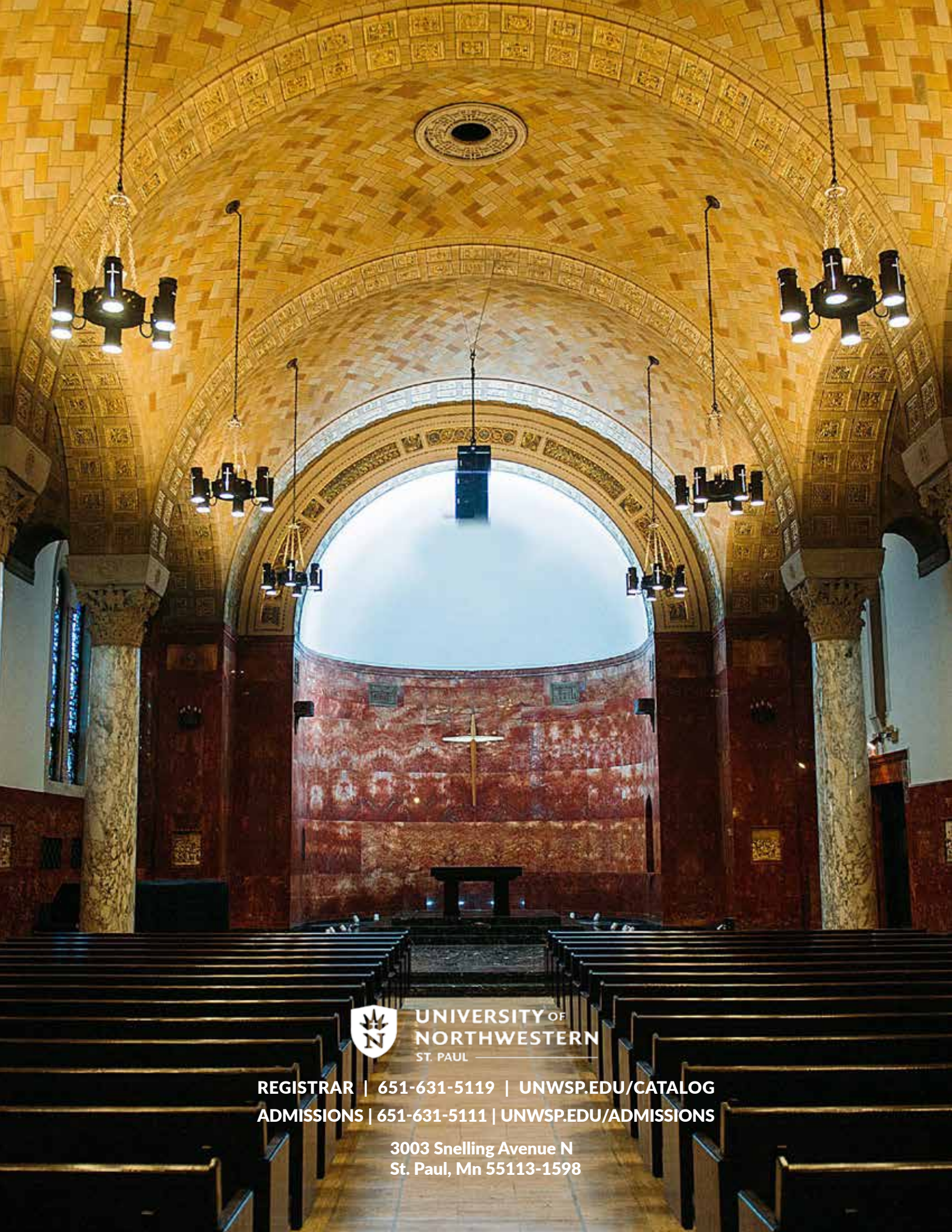
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