



Academic Catalog

2026 - 2027



NORTHWOOD UNIVERSITY ACADEMIC CATALOG 2026-2027

TABLE OF CONTENTS

WELCOME	2
GUIDING PRINCIPLES	3
ABOUT NORTHWOOD.....	4
ADMISSIONS INFORMATION.....	7
FINANCIAL INFORMATION	13
FINANCIAL AID INFORMATION.....	16
DEGREE PROGRAM INFORMATION	21
UNDERGRADUATE CURRICULUM GUIDES	27
UNDERGRADUATE COURSE DESCRIPTIONS.....	64
UNDERGRADUATE ACADEMIC POLICIES AND INFORMATION.....	120
UNDERGRADUATE STUDENT AFFAIRS.....	132
NU ONLINE PROGRAM	138
THE DEVOS GRADUATE SCHOOL OF MANAGEMENT	148
GRADUATE COURSE DESCRIPTIONS	150
GRADUATE SCHOOL ADMISSIONS CRITERIA.....	165
GRADUATE SCHOOL ACADEMIC STANDARDS	168
GRADUATE SCHOOL FINANCIAL POLICIES	175
ACCREDITATIONS, APPROVALS, AND MEMBERSHIPS	179
DIRECTORY	182

Northwood University is committed to a policy of nondiscrimination and equal opportunity for all persons regardless of race, gender, color, religion, creed, national origin or ancestry, age, marital status, disability or veteran status. The University also is committed to compliance with all applicable laws regarding nondiscrimination. Northwood University is accredited by the Higher Learning Commission (hlcommission.org), a regional accreditation agency recognized by the U.S. Department of Education.

8/24/26

A Message from the President

Welcome to Northwood University, America's Free Enterprise University.

Choosing a university is more than earning a degree. It is about joining a community that will challenge you to think differently, expand your perspective, and prepare you to make a meaningful contribution.

Since its founding in 1959, Northwood has been guided by a singular mission: to develop free-enterprise leaders. The Northwood Idea philosophy is rooted in freedom, free enterprise, personal responsibility, and earned success. These ideals shape our curriculum, our culture, and the character of the graduates we develop.

The academic programs outlined in this catalog reflect that commitment. Our faculty combines scholarly expertise with practical experience, ensuring your education is both intellectually rigorous and relevant to today's evolving economy. Whether you pursue business, entrepreneurship, technology, health care, automotive and mobility, or another discipline, you will graduate with the knowledge and perspective to lead with confidence.

Your Northwood experience extends well beyond the classroom. Through internships, competitions, research, leadership opportunities, and close collaboration with faculty and industry partners, you will develop the acumen, experience, and relationships that will serve you throughout your career.

As you explore this catalog, I encourage you to see more than courses and degree requirements. Envision an academic journey that will challenge you to think independently, lead with integrity, and create value no matter which path you choose.

Thank you for choosing Northwood University. We are honored to be part of your journey and look forward to all you will accomplish.

Sincerely,

Dr. Kent MacDonald
President, Northwood University

NORTHWOOD UNIVERSITY GUIDING PRINCIPLES

Mission Statement

We develop free-enterprise leaders.

Our Values

We affirm the natural yearning in every human heart to be free. Our academic community welcomes individuals, their distinctive talents, and their potential to make a difference through a life well spent. We believe in:

- the advantages of an entrepreneurial, free society;
- individual freedom and individual responsibility;
- leading from a foundation of ethics and integrity
- embracing the global and multicultural nature of enterprise
- celebrating individual uniqueness and diversity of perspectives in an inclusive community

Common Degree Outcomes

A university education encompasses learning through courses and co-curricular experiences which allow our graduates to achieve Common Degree Outcomes. Our learning community promotes the achievement of six outcomes which become competencies our graduates share.

1. Articulate and apply the principles and values of freedom and free-enterprise.
2. Communicate effectively in speech and writing.
3. Demonstrate critical thinking, analytical skills, and problem-solving proficiency.
4. Demonstrate foundational knowledge of the functional areas of business.
5. Demonstrate acumen applied to the global business environment.
6. Demonstrate effective leadership, teamwork, and interpersonal skills.

Attributes

At Northwood, we emphasize qualitative personal development. Through purposeful programming and course offerings we develop individuals who: can explain their personal values; appreciate the aesthetic, creative and spiritual elements of life; seek lifelong education; are effective self-evaluators and action-oriented. These attributes encompass our holistic approach to developing free-enterprise leaders who drive global economic and social progress.

Code of Ethics

Northwood students, faculty, and staff affirm this code of ethics that advances our mission, vision, and values.

FREEDOM • Exercise personal freedom and accountability that uplifts and respects individual freedom for all.

RESPECT • Treat all others with consideration for their circumstances and with thoughtful regard for their value as human beings.

EMPATHY • Show compassion for the feelings, thoughts, and conditions of others.

SPIRITUALITY • Seek the spiritual development necessary to create our happiness, inspiration, reverence, meaning, and purpose.

HONESTY • Embrace truthfulness, fairness, and probity, and demand the absence of fraud or deceit in ourselves and others with whom we act.

ACHIEVEMENT • Demonstrate persistence, determination, and effort in order to achieve our goals and applaud the high achievement of others.

INTEGRITY • Be guided by a code of behavior which reflects our values, unimpeded by circumstance, personal gain, public pressure, or private temptation.

RESPONSIBILITY • Be accountable for the care and welfare of others and responsible for the intended and unintended consequences of our actions.

ABOUT NORTHWOOD

The Northwood Idea – Our Foundational Philosophy

The Northwood Idea has unified a community of people who believe in the power of freedom to improve the quality of life.

The Northwood Idea exists as a timeless set of values that adapts to changing conditions while remaining steadfast as a guiding light. It provides direction to those of us who understand the full meaning of liberty.

Freedom, we believe, is the foundation of prosperity. Societies, as well as the people who come together to form them, thrive to the extent that those people are free to make their own choices. Individual freedom coupled with individual responsibility creates an environment in which the greatest good, economic and otherwise, comes to the greatest number of people. The free-enterprise system incentivizes investment, innovation, efficiency, and determination. It also serves as a shield against tyranny. We firmly believe government should be limited in scope, providing rule of law by broad consent but not dictating the personal and economic decisions of its citizens.

Northwood University is welcoming community, unified by an unwavering belief in the advantages of an entrepreneurial, free-enterprise society; personal freedom and individual responsibility; functioning from a foundation of ethics and integrity; and promoting and leveraging the global and multicultural nature of enterprise.

History of Northwood University:

1959 Was a Very Good Year

Alaska and Hawaii became states; Jack Nicklaus won the USGA Amateur Championship; the Frisbee debuted; the space race between the United States and the Soviet Union was running at full steam ahead; and Northwood University was born.

Northwood's founders, Gary Stauffer and Arthur Turner, watched the space race and envisioned a new type of university—one where management led the way. While the frontiers of space were revealing their mysteries, Stauffer and Turner understood that all endeavors—technical, manufacturing, marketing, retail, all business types—needed management that could lead the way.

Then and Now

Northwood University educates the leaders of the future — skilled, savvy, ethically impeccable leaders who know how to get the best from their teams and forge new processes to keep up with the expanding U.S. and global economies.

Northwood Institute began in a 19th century mansion in Alma, Michigan. In 1993 after years of growth backed by the solid branding of the Northwood identity, Northwood officially became Northwood University. In 1959 and still today, The Northwood Idea of incorporating the teachings of the American free-enterprise system into college classrooms has been an unquestionable success.

Originally a two-year college granting an associate degree in several business fields, Northwood responded to the demand of both students and industry by expanding to including four-year bachelor degree programs, master degree programs and a doctoral degree program.

Today, we have a full-service residential campus in Midland, Michigan, centers at community colleges and military locations, and Northwood Online options. The DeVos Graduate School currently offers programs on campus and online. The University operates International Program Centers in France, Sri Lanka, United Arab Emirates, and Switzerland.

The Alden B. Dow Center for Creativity and Enterprise located in Midland, Michigan was founded in 1978 to encourage individuals to think creatively and to preserve the architectural concepts and philosophy of Alden B. Dow. Programming includes the NU Idea Center, pitch competitions, Entrepreneurial Roundtables and Entrepreneurs-in-Residence. In addition, the center serves the entire University in advancing Northwood's thought-leadership at the intersection of creativity and enterprise.

As enrollment increased, Northwood outgrew its original location. In 1962, the young college opened a brand-new, built-from-scratch campus in Midland, Michigan on 434 acres of beautiful, wooded flatland on the banks of the Tittabawassee River. Midland is 135 miles north of Detroit and is most famous as the international headquarters of Dow corporation.

Practical Education

Northwood University is a private, non-profit, tax-exempt, independent, co-educational, management-oriented university actively allied to business and the arts. The university's institutional accreditation through the Higher Learning Commission and specialty accreditation through the Accreditation Council of Business Schools and Programs extends to all locations. Thus, Northwood University's academic credits are widely-accepted by other institutions of higher learning throughout the United States and internationally.

At Northwood we translate our philosophy into practical, useful education that prepares students for the realities of the working world. Northwood brings the business world into the classroom. Business professors are successful career professionals who have chosen to direct their business talents toward preparing students to enter or advance in their professional careers.

Program Expansion

As campus and enrollment expansion continued at Northwood University, so did program development. As the number of curricula grew and the Bachelor of Business Administration degree program was added, so did involvement with business and industry. Management seminars, short courses, and distance learning options were developed to serve non-college students already at work in industry. Subsequently other bachelor and master degrees were added to Northwood's curricula, in addition to a doctoral degree in business administration.

Industry Certifications

Northwood University develops its curricula in response to the needs of enterprise in the global economy. Northwood University's curricula offer the most up-to-date programs and information. Today, our programs have industry-recognized certifications embedded in the required coursework. Practicing business professionals come to the classroom equipped with the most current relevant example of what is transpiring in today's business world. Graduates of Northwood University obtain a solid understanding of business with practical, useful management and leadership skills.

Graduates have been prepared for successful entry into the business world through support from our Career Services team whose services are available for students from freshman orientation throughout their lives.

Northwood University – A Distinctive Education, An Exceptional University

Northwood University was founded to prepare students nature who can be immediately productive to global businesses in management positions of "take-charge leadership."

Each program has its own advisory council of experienced industry leaders and professionals who currently work in those sectors. Each council's assignment is to ensure the currency and relevance of the studies offered. It's a big job, but the task is eased by the fact that many Northwood instructors are themselves experienced veterans of the industries they teach. Further, the Northwood University Board of Trustees, comprised of business, cultural, and professional leaders from many fields, provides oversight and makes policy for expanding the service of the university to the business community and students.

A Northwood University education has many distinctive components. Everything we do at Northwood University is designed to help graduates take their places as future leaders of a global, free-enterprise society.

- **Campus Life:** Be it academic-based organizations like the Collegiate DECA or Business Professionals of America (BPA) to Greek Life to service-based organizations like Circle K, or the Student Athletic Advisory Council, Northwood University has ways for students to be engaged and involved on campus and in the local community. These experiences help students learn firsthand, how businesses and people connect through shared experiences.
- **Competitive Advantage:** While our student-athletes are competing on the athletic fields as part of the NCAA Division II Great Midwest Athletic Conference (GMAC); many of our students also compete in academic arenas. Our national champion Mock Trial team has bested teams from Ivy League schools while our Competitive Speech team, American Marketing Association, BPA, DECA, and American Advertising Federation student chapters regularly place in regional, national and international competitions. Also notable is our esports team which has won multiple world and national championships.
- **Enterprise/Entrepreneurial Orientation:** Many Northwood alumni earn their livelihoods in enterprises they own in whole or in part. While we offer a program in Entrepreneurship, our entire curriculum is focused on enterprise models and entrepreneurial achievements. Enterprise is a key tenet of our Mission, and we believe entrepreneurship is the essential element of our free-market economy.

- **Experiential Learning:** One hallmark of the Northwood education is hands-on, experiential learning. Many of our academic programs enhance classroom learning with large-scale, active learning student-run projects like the Stafford Dinner (Hospitality, Tourism & Event Management), Welcome Weekend (Sport Management), NU International Auto Show (all majors), and the Fashion Showcase (Merchandising & Marketing). These events allow our students to apply what they learn in the classroom to real situations.
- **Omniquiest** takes students, faculty, and staff on an intellectual journey. Books and materials are selected for everyone in the Northwood system to read and discuss. Past books have included *The Power of Habit*, *Conscious Capitalism*, *How Will You Measure Your Life?*, and *Honorable Business*. Books are chosen that are engaging and likely to be of wide interest—the same that are being read by today’s business leaders. Forums and panels are held for group discussions. This encourages readers examine topics from different viewpoints. Upon graduation, between the content of courses and Omniquiest, students will have internalized the best in contemporary business theory and its application.
- **Professional Development:** Northwood students graduate with a superior business education that gives them a foundation of understanding free markets, entrepreneurial endeavors, personal responsibility, and ethical behavior. And, NU students also graduate with the ability to effectively communicate their ideas, beliefs, and experiences to promote success in their own lives and in the lives of others. Through workshops and campus-life programming, students hone networking, interviewing and résumé writing skills putting them one more step ahead in a competitive job market.
- The *Wall Street Journal* and other business publications are available electronically to students all year long. Immersion in these resources helps keep students on top of everything happening in business—future trends and economic policy—and learn who leads companies and corporations across the world. As a result, reading the *WSJ* and other trade publications usually becomes a lifelong habit.

ADMISSIONS INFORMATION

Northwood University offers a Bachelor of Business Administration (BBA) degree, a Bachelor of Science (BS) degree, a Bachelor of Applied Science (BAS) degree and Associate degrees at the undergraduate level on the residential campus and Northwood Online. The Master of Business Administration (MBA) degree is also offered in multiple locations including the residential campus and online. The Master of Science (MS) degrees and the Doctor of Business Administration (DBA) are offered online. Not all majors are offered at all locations. Please see pages 21-22 for a list of Northwood University degree programs.

Contact Information: Northwood University
4000 Whiting Drive
Midland, MI 48640
Toll Free (800) 622-9000

Acceptance and Notification

Acceptance is based on review of the student's former high school and/or college transcripts as well as their standardized test scores and essay where applicable. Once the student meets the admissions criteria, a formal letter of acceptance is mailed to the student notifying them of their acceptance and informing them of their next steps.

Admission Requirements

Students are admitted to Northwood University without regard to race, gender, color, religion, creed, national origin or ancestry, age, marital status, disability, or veteran status.

High school graduates interested in pursuing careers in business will be considered for admission into Northwood University. One of the most important documents used to help determine admission is the applicant's secondary school record. The Admissions Committee carefully weighs motivation, integrity, and maturity as determined by the high school recommendation, as well as the predicted ability to complete an intended program of study. ACT or SAT scores are recommended for all freshman applicants.

International students must submit official evidence of English. For home-schooled students, Northwood University requires transcripts, and degree verification by the applicant's homestate. ACT and SAT scores are also recommended.

Applicants who do not hold a high school diploma may be admitted by successfully completing the GED examination. In addition to successfully completing the GED, ACT or SAT scores are recommended. Prior criminal convictions may result in denial of admission.

Advanced Placement

The Advanced Placement (AP) Program is a series of national examinations that measures the knowledge and skills acquired by students who have taken AP courses. High schools administer the courses and examinations, and the resulting examination scores are sent to colleges of the students' choice. Students with sufficiently high scores on certain AP examinations may be eligible for specific course credit.

Participants applying for Northwood University admission should arrange to have their AP examination records sent to the Northwood University Admissions Office. Information on the required scores and specific course credit awarded can be accessed on the Northwood University website at <https://www.northwood.edu/academics/undergraduate/academics/academic-placement>.

Application Deadline

Northwood University accepts applications on a continuous basis. Applications for the current semester will be accepted until one week prior to the start of class.

College-Level Examination Program and Defense Activities for Non-Traditional Educational Support

Northwood University recognizes that some students have acquired proficiency in college-level material outside of the traditional college classroom. The College-Level Examination Program (CLEP), American Council on Education (ACE), and Defense Activities for Non-Traditional Educational Support (DANTES) provide these students with the opportunity to demonstrate their college-level learning through examinations that assess the knowledge taught in common college courses. Northwood awards credit for satisfactory performance CLEP general examinations and for several of the CLEP, ACE, and DANTES subject area examinations. CLEP, ACE, and DANTES score reports are to be sent to the Northwood University Office of Admissions. The University limits the total number of credits that may be applied toward a Northwood University degree through the above examinations and/or Credit for Prior Learning.

International Baccalaureate

International Baccalaureate examination scores high enough to reflect probable collegiate success are considered for credit at Northwood University. Information on the required scores and specific course credit awarded can be accessed on the Northwood University website. Official scores must be submitted to the Northwood University Admissions Office.

International Student Applications

Each year, dozens of international students attend Northwood University. Students from over 107 countries have come to the university. Official transcripts of all secondary level and postsecondary level work (when applicable) must be sent directly to Northwood University. All students who apply should be in good social and academic standing at the schools from which they are coming. A cumulative GPA of 2.0 (U.S. 4.0 scale) is required for regular admission.

Please note that any documents you submit electronically, or original documents submitted by mail or in person, as part of your application to Northwood University become the property of Northwood University and **cannot be returned. If you are submitting an original document or documents that cannot be replaced, you must submit a copy that has been officially certified as a true copy of the original.** Original documents submitted to Northwood University are digitally scanned into our records and the original hard copy may not be retained.

Northwood University English Proficiency Policy for International Students

The Northwood University (NU) policy regarding English proficiency for international students is as follows:

In the interest of best supporting students' academic success, Northwood University reserves the right to assess a student's English proficiency if a student does not demonstrate sufficient skills to be successful in his/her academic program. When assessment results indicate that a student does not meet the University's minimum English proficiency level, the University will require the student to complete the appropriate level(s) of the Intensive English Program before continuing in their course of study.

I. Waiver of English proficiency requirement

The University will waive the English proficiency requirement for:

A. students who are citizens of a country where English is the, or one of the official languages as designated in the following list:

• American/English International Schools	• Grenada	• North Marianas
• Australia	• Guam	• Philippines
• Barbados	• *Guernsey	• St. Helena
• Bahamas	• Guyana	• St. Kitts (St. Christopher) and Nevis
• Belize	• Ireland	• St. Lucia
• Bermuda	• Jamaica	• St. Vincent and the Grenadines
• Botswana	• *Jersey	• Scotland
• British Virgin Islands	• *Kenya	• *Seychelles
• *Cameroon	• Kiribati	• Sierra Leone
• *Canada	• *Lesotho	• *Singapore
• Cayman Islands	• Liberia	• *South Africa
• Christmas Island	• *Malawi	• *Swaziland
• Cocos (Keeling Island)	• Man, Isle of	• Trinidad and Tobago
• Cook Islands	• Marshall Islands	• Uganda
• Dominica	• Mauritius	• United Kingdom
• England	• Micronesia	• United States of America
• Ethiopia	• Montserrat	• Virgin Islands
• Fiji	• New Zealand	• Wales
• The Gambia	• Nigeria	• Zambia
• Ghana	• Norfolk Island	• Zimbabwe

* English language proficiency required will be waived only if applicants completed education in English language educational systems.

B. students who have successfully completed a course of study at an accredited foreign institution where the language of instruction was completed entirely in English (English as a Foreign Language or Second Language does not qualify).
NOTE: applicants must submit transcripts that are issued in English or provide a letter from the school/university attesting instruction was conducted in English.

In all cases, students must be able to provide documentation (which includes official transcripts) verifying these conditions.

Evidence of English proficiency

As evidence of language proficiency, Northwood University accepts scores from:

TOEFL (Test of English as a Foreign Language)
IELTS (International English Language Testing System)
EIKEN/STEP Test (Japanese exam)
Oxford Online Placement Test (OOPT)*
UCLES Cambridge exams
Duolingo
International Baccalaureate (IB) exams
ELS Language Centers (Level 112)
ACT or SAT scores (undergraduate admission only)

Following are the English language proficiency requirements for regular admission to Northwood University based on official test scores from each testing service:

TOEFL

	Paper-based	Computer-based (CBT)	Internet-based (IBT)
Undergraduate	500	173	61
Graduate	550	213	80

IELTS

Undergraduate	Minimum overall band score of 6.0
Graduate	Minimum overall band score of 6.5

PTE Academic (Pearson/Cambridge)

Undergraduate	Minimum score of 50
Graduate	Minimum score of 58

EIKEN/STEP Test

Undergraduate	Grade 2A
Graduate	Grade Pre-1

Oxford Online Placement Test (OOPT)

Undergraduate	Minimum score of 61
*International Program Centers only	

UCLES Cambridge Exams

Undergraduate	FCE or CAE (minimum score of B2)
Graduate	CAE or CPE (minimum score of C1)

DUOLINGO

Undergraduate	Minimum score of 110
Graduate	Minimum score of 120

International Baccalaureate

Undergraduate only	Score of 5 or above on English A1 or A2 Exam
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ELS Language Centers

Undergraduate	Successful completion of Level 112
Graduate	Successful completion of Level 112

ACT or SAT (*Undergraduate only*)

ACT	18 for both composite and reading sub-score
SAT	460 Evidence-based Reading and Writing

The scores must be from within the past 24 months at time of application to the University.

Undergraduate students who submit standardized scores that do not meet these minimum requirements may be considered for admission. In this circumstance, the University reserves the right to:

1. require the completion and submission of a Northwood University English Placement Test upon arrival in the U.S.;

AND

2. grant admission but require the student to complete mandatory ESL coursework and/or register for a reduced course load and/or attend mandatory tutoring/ academic assistance for a length of time to be specified by the University.

These conditions shall be communicated in writing to the applicant.

The University requires the submission of official standardized exam scores unless the requirement has been waived as noted above. The standardized exam is by far the best evidence of language proficiency in terms of application materials.

Graduate student applicants to the DeVos Graduate School **must** submit standardized exam scores as noted above. If an applicant's undergraduate coursework was delivered **entirely** in English, standardized exam scores may be waived if the applicant provides official institutional documentation of delivery in English and/or agrees to a pre-admission oral interview.

Guest Student Applications

Students from another institution who wish to attend Northwood University as a guest student must complete a guest student application through their registrar's office. Students do not need to go through the full admissions process. Students must request in writing that the Northwood Registrar's Office send an official transcript back to their home institution after their stay has been completed.

Northwood students wishing to attend another institution may complete a guest student application at the Northwood Registrar's Office. Only credits for courses with grades of C (2.0) or higher will transfer back to Northwood; grades do not transfer. Students must request in writing that the guest institution send an official transcript back to Northwood.

High School Transcript Requirements

The Admission's Office will confirm all students' transcripts arrive from a high school with a CEEB code, as well as the high school seal and/or signature. If a transcript is from a high school that lacks a CEEB code or a seal/signature, the Admission Office will investigate to confirm that the school is recognized by the state department of education or home school association. The Admission Office may request additional documentation at any point in the admission process.

Homeschool Students

Northwood University welcomes homeschool students for dual enrollment and homeschool graduates for degree programs. All prospective students in a homeschool program will be subject to the same admission standards as those who graduated from a high school. Since some students in homeschool, programs may not follow a traditional high school curriculum, Northwood University may request further detailed documentation of a student's high school coursework and evaluations of progress, as needed.

International Transfer Students

A majority of international students have begun their college education at overseas institutions and apply to Northwood University as transfer students to earn their bachelor's degree. If an international student applies as a transfer student, his or her transcripts and records will be evaluated, and a Degree Completion Program (DCP) will be prepared. The DCP outlines the courses a student will need to successfully complete to earn a degree from Northwood. Students will be permitted to transfer equivalent courses and selected electives with grades of "C" (2.0) or better. International students who transfer from a university or college in the U.S. must complete an F-1 Transfer In Form to verify their eligibility and status for transfer.

Programs of Study

Northwood University is a specialized university offering many business majors. At Northwood University, students have the opportunity to start business classes their first semester. Academics combined with internships provide students the hands-on experience needed to enter the career of their choosing. See pages 21-22 for degree program options.

Readmission to the University

Northwood University allows a student to leave at the end of any semester and be readmitted any following semester, providing the student is in good standing at the end of the last semester attended. The student must go through the standard admission procedure to be readmitted. There is no application fee for this process.

Transfer Students

Northwood University strongly encourages students who have followed an approved course of study at another college or university to apply for admission. Students transferring without degrees will have their transcripts evaluated by the registrar for equivalent Northwood credit. Students in this category will be permitted to transfer equivalent courses and selected electives with grades of “C” (2.0) or better. Note: Pass (or similar binary) grades from semesters impacted by COVID-19 (January – May 2020) will transfer to Northwood University. Only credits are transferable. Grades and Grade Point Averages (GPA) from other institutions do not transfer. All students who apply for transfer admission should be in good academic and social standing at the college from which they are transferring. Our transfer program is designed to allow each student to transfer the maximum number of credit hours that will facilitate a program of study. Students accepted to Northwood University with an associate degree from an institutionally accredited college or university will receive:

- immediate junior status, although more than two full academic years may be required to complete all requirements for the degree depending on the major; and
- acceptance of all credits with the degree package.

Transfer students who wish to complete academic minors/concentrations should meet with a Northwood University Academic Advisor to determine what additional courses are needed.

Veterans

Northwood University is recognized as a Military-Friendly School. The University is approved to provide training for Veterans on the residential campus, in our Distance Education Online program and for our graduate programs. Each program has a professional Veterans Certifying Official eager to help students get started achieving their educational goals. Each semester, military veterans and service members will receive the earliest priority registration date and time.

All military transcripts are reviewed by the University Registrar for full and accurate placement of academic credit using the American Council on Education (ACE) Military Guide recommended credits for military courses and occupations. Students can transfer up to 60 non-course credits through military experience. The review process is free of charge. Northwood University also recognizes credit-by-examination national standardized tests (i.e. CLEP/DSST) with minimum passing scores.

Northwood University is a participant in the Post 9/11 GI Bill® and the Yellow Ribbon Program. Students work with the VA Certifying Official for their program or location for assistance with questions regarding VA benefits. Students may also visit our VA website at: <http://www.northwood.edu/militaryveterans>.

GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs (VA). More information about education benefits offered by the VA is available at the official U.S. government website at <https://www.benefits.va.gov/gibill>.

When to Apply

Students are encouraged to apply after completion of their junior year of high school to gain acceptance. Applicants to Northwood University may apply online at www.northwood.edu. Completed applications will be submitted to the Office of Admissions. Northwood University’s residential campus is located in Midland, Michigan.

The applicant’s final high school transcript must be sent by his or her school to the Office of Admissions. Transfer students must provide official transcripts of all college or university work completed. The student’s final, official high school transcript must also be provided unless student is transferring in ≥ 24 credits and self-certified having graduated from high school on application or transferring in ≥ 60 credits.

Northwood recommends that all applicants take either the American College Testing (ACT) exam or the Scholastic Assessment Test (SAT). International students are required to provide evidence of English proficiency (as outlined in the International Student Applications section) exam score with their application. Official transcripts of all previous high school and college work should accompany the application.

All international applicants should contact internladmissions@northwood.edu, phone 800-622-9000, or gain online information at www.northwood.edu. The international admissions form is also available online.

Commitment Deposit Policy

For entering freshman, transfer and readmitted students on residential campus:

Resident students: \$250 deposit for entering students applied in this manner:
 \$100 housing security deposit and \$150 toward tuition costs.

Commuter students: \$150 deposit for entering students to be applied toward tuition costs.

The entering freshman and transfer student's deposit is fully refundable until May 1 of the year of fall admission or December 15 of the year prior to spring admission. Commitment deposits from international students are refundable only if the F-1 student visa is denied.

FINANCIAL INFORMATION

Northwood University provides exceptional value with respect to other private and many public universities for housing, food, and tuition charges.

All applicable charges must be paid prior to validation of registration for each semester.

While the University reserves the right to change these charges or procedures upon 30 days' notice, every effort will be made to maintain these costs throughout the academic year. At publication date of this catalog, charges are as follows:

Traditional Students

Fall Semester (16-Week) Charges 2026-2027

Item	MI
Tuition (12-17 cr. hrs.)	\$17,650.00
Housing	3,500.00
Food plan	3,650.00
Student Fees	850.00

Resident Total **\$25,650.00**

Note: Tuition is \$1,350 per credit hour for fewer than 12 credit hours; \$940 for over 18 credit hours per semester; and \$1,185 per credit hour for compressed sessions, practicums, and internships. Summer tuition is \$1,185 per credit hour. Special lab or equipment fees may be appropriate in some cases. Textbook charges depend on the class requirements and could be approximately \$450 per semester. Certain textbooks are delivered electronically and the corresponding charge will be automatically added to the semester charges upon registration.

Full tuition entitles the student to register for 12 to 17 credit hours inclusive during a 16-week semester. Credit hours greater than 17 are charged at \$940 per credit hour. Textbook and lab fee charges are additional.

Certain special and course fees, as follows, are charged at the residential campus. Applicable information is available from Finance and Accounting Services shortly before the beginning of each term.

Application fee due with paper application (non-refundable) \$30

NU BookPACK \$30/credit hour

Graduation fee \$80

Health insurance plan \$1,573

Housing security deposit (refundable—included in tuition deposit) \$100

Late payment fee \$200

Late registration fee \$200

Fee per credit hour for students taking fewer than 12 hours \$1,350

Fee per credit hour for students taking more than 17 credit hours \$940

Credit hour fee to audit courses (no college credit) \$600

Comprehensive Exam fee to test out of a course per credit hour \$75 (not available for all courses; students may not test out of courses that they have previously failed)

Car permits commuter and resident students (per year) \$100

Car permits (additional or replacement) \$15

Car Permits

Any student who wishes to have a car on campus must make an application to Campus Security. Students will be issued a car permit to be attached to his or her car in the manner prescribed in the student handbook. Failure to do this will result in a penalty, and the student will be required to remove the car from the campus.

Deposits on Accounts

Students may at any time prior to registration make deposits to their accounts in Finance and Accounting Services and such credit will be deducted from their total charges on the day of registration.

Financial Requirements

Students who owe balances and who, within 30 days of the beginning of any semester, have not made arrangements with Finance and Accounting Services to make payments may not continue in class. If a financial obligation remains at the end of the semester, a registration and diploma hold will be placed on the account, until the obligation has been fulfilled. Regular monthly payments must be made on an outstanding balance to avoid the account being sent to collections.

A monthly late fee may be added on the unpaid balance of all accounts over 30 days past due. A \$35.00 service charge will be added to each check coming back from the bank with non-sufficient funds. An additional \$10.00 will be assessed if not paid within ten days.

All unpaid Medical Center charges, parking, residence hall charges, library fines, etc., will incur an additional \$10.00 charge if not paid during the semester and/or are turned over to Finance and Accounting Services for collection.

All checks are to be made payable in U.S. funds.

Housing Security Deposit – A housing security deposit of \$100.00 is required from all residential students. The University will hold this amount until the end of the academic year or until the student moves out of University housing. It will not be returned if the room is damaged or dirty. This deposit is included in the tuition deposit.

Monthly Payments

Students who desire to divide the year's balance into monthly payments can sign up for the monthly Payment Plan. There is a \$40 per semester non-refundable application fee and payments can be made using an electronic check (no fee), American Express, Discover Card, MasterCard, or VISA (credit and debit card payments will be assessed a service fee of approximately 2.75%-3%).

Refunds

Prepayments will be refunded in full on all payments made prior to validation day, with the exception of application fees and tuition deposits. Any changes of classes must be finalized during the drop and add period. All charges stand after that time.

For any student withdrawing from college, the following policy applies:

Days after classes start	Refund amount
1 - 3 days	100% credit of all charges
4 - 11 days	90% credit of tuition and meal plan
12 - 22 days	80% credit of tuition and meal plan
23 - 33 days	70% credit of tuition and meal plan
34 - 44 days	60% credit of tuition and meal plan
45 - 55 days	50% credit of tuition and meal plan
56 - 66 days	40% credit of tuition and meal plan
More than 66 days	0% credit of tuition and meal plan

Refund calculations will be based upon the date the student begins the official withdrawal process. Days listed above are calendar days and include weekends and holidays. In cases where a student stops attending all of their classes without officially withdrawing, refund calculations will be done at 50% unless the student attended a class later than 55 days after the start of classes. If the student attended any class later than 66 days after the start of classes, there will be no refund.

Fees and housing charges are non-refundable after the third day classes start. Students who move off campus after classes begin forfeit charges per the housing contract guidelines.

Graduate and NU Online Program – All graduate and NU Online students should review their respective section for the refund policy that applies to graduate and NU Online student courses.

Return of Title IV Aid Policy for Federal Financial Aid Recipients

As prescribed by law and regulation, Federal Title IV funds will be returned to the applicable sources in the following order: Federal Direct Unsubsidized Loan, Federal Direct Subsidized Loan, Federal Direct PLUS Loans, Federal Pell Grant, Federal Supplemental Educational Opportunity Grant (SEOG), and other Title IV Aid Programs. Examples of this refund policy are available at the financial aid office.

Textbooks

The cost for the 2026-2027 (Fall/Spring) school year will be approximately \$900, depending on the courses in which the student is enrolled. Textbooks for all undergraduate classes are part of the NU BookPACK program. Associated costs (\$30 per credit hour) are included and charged with registration. Additional information on the program can be directed to the NU Bookstore at bookstore@northwood.edu.

Veterans

Any student eligible for veterans' benefits must contact the Northwood veterans' office for initiation and certification of benefits to the Department of Veterans' Affairs. It is the student's obligation, on a semester-by-semester basis, to notify the Northwood VA Certifying Official of their class schedule and any change in the schedule (i.e. withdrawals, drop/add) throughout a semester.

Any covered individual will be permitted to attend or participate in the course of education during the period beginning on the date on which the individual provides to the educational institution a certificate of eligibility for entitlement to educational assistance under chapter 31 or 33 (a "certificate of eligibility" can also include a "Statement of Benefits" obtained from the Department of Veterans Affairs' (VA) website – eBenefits, or a VAF 28-1905 form for chapter 31 authorization purposes) and ending on the earlier of the following dates:

1. The date on which payment from VA is made to the institution.
2. 90 days after the date the institution certified tuition and fees following the receipt of the certificate of eligibility.

Northwood University will not impose any penalty, including the assessment of late fees, the denial of access to classes, libraries, or other institutional facilities, or the requirement that a covered individual borrow additional funds, on any covered individual because of the individual's inability to meet his or her financial obligations to the institution due to the delayed disbursement funding from VA under chapter 31 or 33.

Withdrawals

Any student withdrawing from Northwood must first notify the University, stating the reason or reasons, and all refunds that are due will be based on the approval of the University in accordance with established policy. Refunds will be calculated based upon the date that the student provides official written notification of their intent to withdraw. Completing the withdrawal form in the appropriate offices provides written notification. The appropriate offices in which to provide the notification are Academic Dean or Registrar's office.

FINANCIAL AID INFORMATION

Northwood University strives to provide adequate financial aid opportunities to all students of academic ability and personal promise, based on financial need. With the cooperation of the business community, private donors, state, and federal governments, Northwood has developed a comprehensive program of financial aid to help students complete their college education. Please go to the financial aid page at www.northwood.edu for contact information.

Undergraduate students should first apply for admission to Northwood and then submit the Free Application for Federal Student Aid (FAFSA) from the U.S. Department of Education. Applications may be completed on the web at www.studentaid.gov using Northwood's school code: 004072. All financial aid forms should be submitted after October 1 and prior to June 30 for maximum financial aid consideration. Students must complete a new FAFSA each academic year and award eligibility is determined on an annual basis.

To be considered for federal and/or state funds, a student must be a U.S. citizen or an eligible noncitizen as defined in the federal regulations; meet standards of satisfactory academic progress; be accepted as a regular undergraduate student in a degree program; not be in default on a federal student loan or have made satisfactory arrangements to repay; not owe a repayment on a federal student grant or have made satisfactory arrangements to repay it. Also, students can only receive financial aid for coursework in their degree program. A student is considered to be full-time when attending 12 credit hours or more, three-quarters time for 9-11 credit hours, half-time for 6-8 credit hours, and less-than-half-time for fewer than 6 credit hours. Any change to a student's eligibility criteria may result in a change in financial aid eligibility at any time. The financial aid office must be informed of changes to eligibility criteria (i.e., enrollment, outside resources, change of program, etc.) so financial aid award adjustments can be made. Financial aid eligibility and awarding are always subject to the availability of funds; therefore, awards may decrease.

Students should note that the Tax Reform Act of 1986 amended the Internal Revenue Code section pertaining to the taxability of scholarships. Effective January 1, 1987, the amount of a scholarship that is used for qualified tuition and related expenses (e.g., tuition, fees, books, supplies, and equipment) may be excluded from gross income. Any scholarship funds used for non-course related expenses (e.g., room and board, etc.) may be considered taxable and should be included in the student's gross income. Students should keep accurate records and seek appropriate tax advice for tax return filing purposes.

Award Disbursement

Federal, state, and most institutional financial aid is divided equally between the Fall and Spring semesters of enrollment and will be credited to the student's account upon verification of enrollment in courses required for degree for that period. Revisions of awards or late awards will be applied throughout the year as required due to fluctuations in eligibility. Some financial aid funds may require adjustment due to being restricted to direct costs (i.e., tuition, fees, housing and meal plan charges, etc.) that show directly on the student's Northwood University account.

Federal Direct Loan funds will be credited to the student's account. If a student wishes to cancel all or a portion of the Federal Direct Subsidized/Unsubsidized loan(s), a written request must be received by the Finance and Accounting Department within 30 days of notification. If a student/parent wishes to cancel all or a portion of the Federal Direct PLUS loan(s), a written request must be received by the Finance and Accounting Department within 14 days of the date of notification. The student is responsible for all charges not covered by financial aid. If the student's account credits exceed their charges, a refund will be processed within 14 days of the credit being generated. Students have the option of retaining the credit balance on his or her student account if the business office is notified in writing for the aid year. Account credit balances cannot be carried forward from one academic year to the next. Excess parent PLUS Loan funds are required to be returned to the parent, unless authorized by the parent to be refunded to the student. Overpayments resulting from full or partial cancellation of aid will normally result in a debit balance on the student's account and must be paid back according to the repayment policies of the University. It is the student's responsibility to verify the accuracy of all charges, payments, financial aid, refunds, and other general transactions.

Award Adjustments

All financial aid awards are subject to revision if changes to eligibility occur. Some financial aid funds may require adjustment due to being restricted to direct costs (i.e., tuition, fees, housing and meal plan charges, etc.) that show directly on the student's Northwood University account. In such cases, federal sources will have priority in the aid package, state aid will have second priority, private donor funds restricted to direct costs will have third priority, and Northwood University institutional financial aid sources will receive fourth priority. Every effort will be made to maximize financial aid eligibility; however, award funds received from outside sources may reduce eligibility for Northwood institutional financial aid funds.

Statement of Financial Aid Rights and Responsibilities

Students have the right to be informed of and to apply for all financial aid programs for which they are eligible. Northwood University is an equal opportunity/affirmative action institution and employer, complying with federal and state laws prohibiting discrimination including but not limited to Section 504 of the Rehabilitation Act of 1973. It is the policy of Northwood University that no person on the basis of race, gender, color, religion, creed, national origin or ancestry, age, marital status, disability, or veteran status shall be

discriminated against in receiving financial assistance or in educational programs or activities receiving federal financial aid or any other educational financial assistance program.

Students have the right to be informed how financial need and award packages will be determined and to request a review of the financial aid package should circumstances change to negatively affect the family's ability to meet costs of attendance. Students have the responsibility to notify the University should circumstances change and/or new resources become available during the academic year that were not originally considered in the student's financial aid package.

Students who borrow while in attendance at the University have a right to full disclosure of the terms and provisions of loan programs, including typical repayment schedules. Students must repay their loans on a timely basis and keep the University informed of their current address. Northwood notifies the student when electronic student loan funds are applied to his or her student account. Students have 14 days from the date of notification to cancel all or a portion of the Federal Direct PLUS loan funds and 30 days from the date of notification to cancel all or a portion of the Federal Direct subsidized and unsubsidized loans funds. The Finance and Accounting Department must receive this request in writing. Subsequently, you must contact your federal loan servicer for cancelation and/or repayment instructions to reduce your student loan obligation.

Students have the right to be informed of financial aid policies and have the responsibility to be aware of all published financial aid policies and to comply with these policies. Students have the responsibility to submit accurate information on all documents related to the financial aid application process.

Northwood Institutional Aid

Listed below are some of the awards provided by Northwood to eligible full-time traditional undergraduate students. Most Northwood awards are restricted to direct costs (e.g., tuition, fees, campus housing charges, campus meal plan, etc.) and may affect eligibility for other need-based aid and aid restricted to direct costs; adjustments may be required. Institutional awards may be renewable each year for up to four years, or eight semesters, provided students meet the renewal conditions established for each award. Learn more about these awards and others by visiting the financial aid section of the Northwood website at www.northwood.edu.

- **Northwood Merit Scholarships** – Eligibility for the Presidential, Freedom, Free-Enterprise, Entrepreneur, and the Liberty scholarships is limited to traditional undergraduate students who have demonstrated excellent academic and ACT/SAT test performance. They are renewable provided the student maintains the required grade point average as determined after each fall semester. Quantities are limited and availability is on a first-come, first-served basis for first-time freshman. Transfer students may qualify for Merit scholarships depending on transfer credit and/or articulation agreements in place.
- **Liberty Funds/Private Donor Scholarships** – Primarily for upper class students, the scholarship committee awards these scholarships based on Northwood undergraduate academic performance. Selections are based on requirements specified by donors and information provided by students. Visit the Financial Aid section of our website (www.northwood.edu) for more information and for information on how to opt-in to the application process.
- **Northwood Grants** – Awarded to students based on demonstrated financial need resulting from completion of the FAFSA every year. Quantities are limited.
- **Athletic Scholarships** – These awards are determined by the coaching staff and are applied according to the policies of the Athletic Department.
- **Family Tuition Scholarships** – Eligible if two or more traditional dependent students from the same family attend full-time in the traditional undergraduate program for the fall and spring semesters, each undergraduate student will receive \$1,500 during the spring semester.
- **Alumni Scholarships** – For new incoming fall students who are dependents of a Northwood University alumnus.
- **Business Club Scholarships** – For those who participated in a business club in high school and plan to participate in a chapter at Northwood University

State of Michigan Financial Assistance

Learn more about these state aid programs by visiting Northwood's Michigan Financial Aid website pages at www.northwood.edu. State awarding rules are subject to change; additional State of Michigan aid information can be found at <http://www.michigan.gov/mistudentaid>.

- **Michigan Achievement Scholarship** – These are awarded by the State of Michigan to Michigan residents who have an expected family contribution of \$30,000 or less. Students must graduate from high school in Michigan with a diploma or a certificate of completion or achieved a high school equivalency certificate in 2023 or after. Enroll at an eligible institution within 15 months of high school graduation or earning a high school equivalency certificate.

Federal Student Aid

Learn more about these federal student aid programs by visiting the Financial Aid section of the Northwood website at www.northwood.edu. Additional Federal Student Aid information can be found at <https://studentaid.gov> for the following awards. Federal aid is restricted to coursework required for the student's degree program. Also, students may be selected for a process known as verification which could require students to provide additional documentation (such as tax transcripts, verification of household size, etc.) to the financial aid office. All documentation must be accurate and received in a timely manner for processing to occur.

- **Federal Pell Grant** – This award is based solely on financial need as determined by federal Pell Grant regulations. Undergraduate students will be notified of their eligibility for the Pell Grant directly from the federal government by the Student Aid Report (SAR). Upon verification of enrollment in eligible coursework required for degree, funds will be credited to the student's institutional account. Pell funds are available only to students seeking their first bachelor's degree. The amount of Federal Pell Grant funds a student may receive over their lifetime is limited by federal law to be the equivalent of six years of Pell Grant funding. Please go to <https://studentaid.gov> for details on the Federal Pell Grant Lifetime Eligibility Used (LEU).
- **Federal Supplemental Educational Opportunity Grant (FSEOG)** – Receipt of these funds is limited to students who demonstrate exceptional financial need and who are eligible for a Pell Grant at Northwood. Awards are limited and subject to the availability of funds.
- **Federal Work Study (FWS)** – This is a need-based employment assistance program. Contact the financial aid office for postings of available work study positions. Students are paid biweekly by check for hours worked. Awards and earnings are subject to job availability and the availability of funds.
- **Federal Direct Loans (subsidized and unsubsidized)** – These are fixed-rate student loans based on need as determined through filing the FAFSA each year and the student's cost of attendance, as determined by the school. Loan funds are obtained through the U.S. Department of Education upon completion of a Master Promissory Note (MPN) and entrance loan counseling. Students making satisfactory academic progress and enrolled at least half-time per semester may borrow up to \$5,500 (up to \$3500 subsidized/\$2000 unsubsidized) per year as a freshman, \$6,500 (up to \$4500 subsidized/\$2000 unsubsidized) per year as a sophomore, and \$7,500 (up to \$5500 subsidized/\$2000 unsubsidized) per year as a junior and senior depending on unmet cost of attendance. Independent students or students whose parents are denied the Federal Direct PLUS loan may borrow additional funds under the Federal Direct unsubsidized loan program. Loan limits for these additional funds are \$4,000 per year for freshmen and sophomores and up to \$5,000 per year for juniors and seniors. First-time Direct Subsidized loans borrowed on or after July 1, 2013 are limited to a maximum period of time (measured in academic years). Students may not receive Direct Subsidized loans for more than 150% of the published length of their program of study.
- **Federal Direct PLUS Loans** – Parents who want to borrow to help pay for their children's education may use this loan program. Federal Direct PLUS loans are limited to \$20,000 per academic year and is dependent on the parent's credit history.
- **Master Promissory Note (MPN) and Loan Counseling** – All Federal Direct Loan funds received must be repaid once student ceases half-time attendance and are subject to the terms and conditions stated in the MPN. Also, first-time Federal Direct Loan borrowers are required by federal regulations to complete entrance loan counseling prior to receiving their first loan proceeds. All students receiving Federal Direct Loans are required by federal regulations to complete exit loan counseling prior to graduating or withdrawing from the University. Students must contact the University if there are any changes to enrollment and/or plans to continue at Northwood.

Student Employment

In line with its philosophy of preparing students for the world of work, Northwood assists students in finding employment during their college years. Northwood participates in the Federal Work Study Program (FWS) in addition to providing other on-campus employment opportunities. A student who qualifies for need-based aid under federal methodology (using FAFSA information) has the opportunity for FWS employment while attending Northwood. Many other Northwood students maintain part-time jobs in the community while in school. For additional information regarding Federal Work Study employment opportunities, please contact the financial aid office.

Other Sources of Assistance

These sources of aid are completely independent of Northwood University. Eligibility depends entirely on specific circumstances and the program requirements.

Application should be made directly to the specific organization:

- Church Groups
- Veterans' Educational Benefits
- Business Organizations
- Vocational Rehabilitation
- Fraternal Organizations
- Social Services
- Civic Organizations
- Bureau of Indian Affairs
- Professional Groups

Useful website links can be found in the Financial Aid section of the Northwood website – www.northwood.edu.

Satisfactory Academic Progress Policy for Undergraduate Financial Aid Recipients

Recipients of financial aid under the Title IV programs or other financial aid programs directly administered or certified by Northwood must maintain satisfactory academic progress towards the completion of a degree program.

Satisfactory academic progress for financial aid recipients is determined using a student's cumulative academic history at Northwood, by means of Cumulative Grade Point Average (qualitative) and Cumulative Pace (quantitative) components. A student must successfully complete the designated pace percentage (earned credits/attempted credits). For financial aid purposes, all attempted credits resulting in either an academic grade or administrative transcript notation will be included in the quantitative calculation. The standards are subject to change per federal regulations. The Financial Aid Office would notify students if any changes were to occur. Questions concerning this policy should be addressed to the Director of Financial Aid.

A student receiving federal, state and/or Northwood financial aid must maintain satisfactory academic progress to retain financial aid eligibility. Some scholarship, grant, and loan programs may impose higher standards of performance. Each student's academic record will be reviewed annually at the end of the Spring semester. Students who do not maintain satisfactory progress will have their financial aid eligibility suspended.

Courses taken during compressed or mini sessions will be counted at the time of review occurring after the Spring semester. All English as a Second Language and remedial coursework is considered part of the student's cumulative academic record.

Treatment of Grades - For purposes of this policy, the following grades are considered attempted and completed: A, B, C, D, I, P, or a Z, including pluses and minuses. Grades of W and F are considered attempted and not completed. A grade of X (audit) will not be considered as attempted or completed.

- **Incomplete Grade:** A grade of I (incomplete) may be assigned at the discretion of the instructor. This is a temporary grade.
- **Grade Changes:** Grades that are changed (for example, through the grade appeal process) will result in the recalculation of the cumulative GPA and completion rate at the next review date.

Repeat Courses - Repeat classes are assessed as new classes. Initial and repeated enrollments in the same course count as hours attempted each time the course is taken. A student may receive financial aid for repeating a failed class until it is passed. A student may receive financial aid for repeating a previously passed course once.

Transfer Student Eligibility - Transfer students enrolling at Northwood are considered to be making satisfactory academic progress. All transfer hours accepted toward completion of the student's program must be counted as both hours attempted and hours completed for measurement of maximum time frame. (pace/quantitative – see below).

Maximum Time Frame/Credits (Quantitative – 150%) - Students may receive financial aid for any attempted credits in his/her program of study that do not exceed 150% of the published length of the student's educational program at Northwood. For example, students enrolled in a 123-credit hour degree program may receive financial aid for a maximum of 185 total credit hours. Any attempted credits at Northwood must be included in the calculation. The 150% maximum credit hours rule is applicable to students who change majors, programs, or who pursue a double major. A student's cumulative academic history will be evaluated at the end of Spring Semester. This policy will be used to evaluate all students equally, regardless of their enrollment level. To graduate, a minimum cumulative grade point average of 2.0 is required in all courses that are applicable to the program of study.

Pace of Progress Toward Degree Completion (Quantitative) - Students must earn at least 67% of credit hours attempted.

Minimum GPA Requirements (Qualitative) - The following table details the minimum cumulative Grade Point Average (GPA) requirements.

Semester Hours Earned	Minimum Cumulative GPA
1-15	1.70
16-29	1.80
30-59	1.90
60 or more	2.00

Students must achieve and maintain a 2.0 minimum cumulative grade point average at the end of the second academic year or have an academic standing consistent with the minimum GPA requirements listed above.

Change of Satisfactory Academic Progress Status - Although a student's cumulative grade point average or earned credits may change within a semester (e.g., by recording a final grade in place of a grade of I), the student's academic progress status is not re-evaluated or changed during the semester. It will be re-evaluated at the time of the next review.

Financial Aid Suspension and Probation - Students that do not maintain satisfactory academic progress will be placed on financial aid suspension and notified in writing. Probationary status will be considered upon appeal.

Financial Aid Suspension - In the event the student's aid is suspended, the student has a right to appeal. The appeal process is described below. If the student's appeal is denied, the student remains on Financial Aid Suspension until he/she meets the requirements for reinstatement.

Financial Aid Probation - If the student's appeal is granted, the student will be placed on Financial Aid Probation and may receive aid for one (1) semester. At the end of that semester, progress will be reviewed, and the student must be making satisfactory academic progress to continue receiving aid. If the student fails to meet the requirements, the student's aid is suspended again. To regain eligibility the student must meet the requirements for reinstatement as described below.

Appeal Process - A student whose aid has been suspended and has documentable mitigating circumstances, such as a death in the family or an illness, may appeal his/her aid suspension. The student's appeal must include why they failed to make satisfactory academic progress and what has changed that will allow the student to make satisfactory academic progress at the end of the semester. To appeal, a student must complete the Satisfactory Academic Appeal form with supporting documentation at this link: <https://forms.northwood.edu/financial-aid/appeal/>. The appeal and documentation must be submitted within 14 calendar days of the date of the financial aid suspension notification.

The Financial Aid Director will notify the student in writing of the appeal decision. In the event the appeal is granted, the student will be placed on Financial Aid Probation. If the appeal is denied, the student remains on Financial Aid Suspension until he or she meets the requirements for reinstatement.

Reinstatement of Financial Aid Eligibility - Students who have had their financial aid suspended will have their progress reviewed at the end of each future semester until the standards of progress are met. To re-establish satisfactory status, the student must meet all GPA (qualitative) and maximum timeframe/pace (quantitative) standards in this policy or successfully meet the standards in the student's Academic Performance Improvement Plan. Aid granted after reinstatement would begin the next semester of enrollment following reinstatement and will be based on funds available at that time.

Return of Title IV Aid Policy for Federal Financial Aid Recipients

As prescribed by law and regulation, for students that withdraw from the University for the semester, Federal Title IV funds will be returned to the applicable sources in the following order: Federal Direct Unsubsidized Loan, Federal Direct Subsidized Loan, Federal Direct Plus Loans, Federal Pell Grant, Federal Supplemental Educational Opportunity Grant (SEOG), and other federal aid programs. See "Refunds" and "Withdrawals" paragraphs above for additional information.

DEGREE PROGRAM INFORMATION

Northwood University offers graduate degrees, bachelor degrees, and associate degrees on the residential campus, at International Program Centers, and online. Not all majors are offered at all locations. The MBA program and all undergraduate business programs are accredited by the Accreditation Council for Business Schools and Programs (ACBSP). Northwood University is institutionally accredited by the Higher Learning Commission (HLC).

Graduate Degree Requirements

Master degrees require a minimum of 30 semester credit hours, the doctoral degree requires 54-60 semester credit hours. All graduate programs require an overall 3.000 cumulative grade point average.

Northwood University's DeVos Graduate School is a specialized business school focused on developing the future leaders of a global, free-enterprise society. We provide dynamic graduate degree programs for adults designed to strategically expand their managerial and leadership skill sets, equipping graduates with the necessary tools to lead and drive change in their careers and lives.

GRADUATE DEGREES

Doctor of Business Administration (DBA)
Master of Business Administration (MBA)
Master of Science in Organizational Leadership (MSOL)
Master of Science in Business Analytics (MSBA)
Master of Science in Finance (MSF)
Master of Science in Human Resources (MSHR)

LOCATIONS

Online
Midland, Online
Online
Online
Online
Online

Bachelor Degree Requirements

The Bachelor of Business Administration (BBA) and the Bachelor of Science (BS) degrees require a minimum of 120 semester credit hours. The Bachelor of Applied Science (BAS) degree requires a minimum of 90 semester credit hours. Thirty semester credits must be earned at Northwood. A 2.0 cumulative grade point average overall is required.

The Northwood University Bachelor of Business Administration (BBA) degree delivers contemporary business theory coupled with practical application. In addition, ample cross-major experiential learning opportunities enhance and solidify classroom activities while providing students with leadership skill-building experiences. Required general education courses present an intellectual understanding of society and culture.

- Academic major program and major concentration program requirements consist of a minimum of 24 semester credit hours within the designated major or major and concentration. Nine major credit hours must be completed at Northwood.
- Students can choose to complete additional majors. Those who desire to complete a second major should see an Academic Advisor for assistance as additional coursework will be required.
- A minor is 18 or more credit hours in a defined discipline and includes a six-credit residency requirement. Courses from the business core, general education core, and electives may be counted toward completion of the requirements, with at least one-half the minor credits being at the 3000/4000 level.

Students may choose one or combine any two of the undergraduate majors and may earn a single or double major in four years. Ask your admissions representative or academic advisor for details and requirements.

BACHELOR OF BUSINESS ADMINISTRATION (BBA) UNDERGRADUATE MAJORS

Accounting
Aftermarket Management
Automotive Marketing & Management
Automotive and Mobility Studies
Cybersecurity Management
Economics
Entrepreneurship
Finance
General Business
Health Care Management
Hospitality, Tourism and Event Management

MI, Online
MI, Online
MI, Online
MI, Online
MI, Online
MI
MI, Online
MI, Online
MI, Online
MI, Online
MI, Online

International Business	MI, Online
Leadership	MI, Online
Management	MI, Online
Management Information Systems	MI, Online
Marketing	MI, Online
Marketing Communications	MI, Online
Merchandising & Marketing	MI, Online
Operations & Supply Chain Management	MI, Online
Sales Management & Professional Selling	MI, Online
Sport Management	MI, Online
Four Year BBA/MBA Track	MI

BACHELOR OF APPLIED SCIENCE

Cybersecurity	MI, Online
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BACHELOR OF SCIENCE

Applied Management	Online
Computer Science	MI, Online
Cybersecurity	MI, Online
Data Analytics	MI, Online
General Business	Online
Leadership	Online
Leadership & Service	Online
Operations & Supply Chain Management	MI, Online
Professional and Technical Communication	MI, Online

MINORS

Minors are offered in all major fields. Some minors require specific coursework. Please contact your Academic Advisor for additional information.

CONCENTRATIONS

Some programs offer concentrations. The Automotive and Mobility Studies major offers a concentration in Motorsports Management. The Hospitality, Tourism and Event Management major offers concentrations in Event Planning and Global Tourism. The Sport Management major offers a concentration in Racquet Sport Management. Please contact your Academic Advisor for additional information.

Associate Degree Requirements

The Associate degree requires a minimum of 60 semester credit hours. Fifteen semester credits must be earned at Northwood. A 2.0 cumulative grade point average overall is required. For a complete listing of Associate degree majors, see pages 60-62.

ASSOCIATE OF ARTS (AA)	MI, Online
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Northwood Idea Courses

At Northwood University, we believe that free enterprise, personal responsibility, free markets, limited government, rule of law and freedom are fundamental tenets to democracy and human progress. As such, all undergraduate students will begin and end their programs of study with courses related to The Northwood Idea philosophy.

Northwood Idea Courses:

PHL 1100 Philosophy of Life and Business or
 PHL 4100 Philosophy of American Enterprise
 ECN 4010 Economics of Public Policy

Undergraduate General Education

Northwood University's general education courses are a foundation of the University's twelve outcomes and attributes for its graduates. Our graduates communicate effectively in speech and writing; understand complex global issues; can explain their personal values; understand the aesthetic, creative, and spiritual elements of life; are skilled at detecting and solving problems; and are effective self-evaluators. Through the general education core, students gain exposure to a wide range of subjects in the behavioral and social sciences (psychology and history, for example); English, economics, philosophy, and other humanities subjects; and mathematics and the natural sciences.

Through the general education core, students will:

- Build strong communication skills.
- Develop essential quantitative skills.
- Enhance their ability to find information, think critically, and solve problems.
- Broaden their perspective of cultures within the United States and globally.
- Explore interests outside their major.

Northwood University's general education curriculum provides the knowledge and skills necessary to excel as a business professional and leader.

General Education Core Courses:

ENG 1150 Composition I

ENG 1200 Composition II

HIS 2100 Foundations of Modern World I

MTH 1100 Finite Math or MTH 1150 College Algebra

MTH 2310 Statistics I

NSC 2100 Environmental Science

PSC 2010 Intro to American Government

SPC 2050 Speech

3000/4000 Level PSY, SOC or HUM Elective

Common Professional Core

All undergraduate students take the common professional core which, in addition to the general education core, provides a foundation of the University's outcomes and attributes for its graduates. These courses provide students with the common body of knowledge needed for creative and responsible citizenship and leadership roles in business and society, domestic and worldwide.

Through the common professional core, students will:

- Develop a fundamental knowledge of the principles of the essential business disciplines of accounting, finance, management, and marketing.
- Build a practical understanding of the dynamic business environment and successful adaptation to organizational and industry changes as a business professional.

Common Professional Core Courses:

ACC 2410 Fundamentals of Financial Accounting

ACC 2415 Fundamentals of Managerial Accounting

ECN 2210 Principles of Microeconomics

ECN 2220 Principles of Macroeconomics

FIN 3010 Financial Management

LAW 3000 Business Law

MGT 2300 Principles of Management

MGT 4250 Organizational Behavior

MGT 4800 Strategic Planning

MIS 1500 Business Productivity Software

MKT 2080 Principles of Marketing

PHL 3100 Ethics *or*

MGT 3600 Ethical Leadership & Moral Development

Major Core

All students must choose an academic major or a major concentration which comprises a minimum of 24 credit hours in a specific discipline. Faculty who have academic credentials and related industry experience provide a theoretical as well as practical approach to major courses. Students are engaged in classes in their majors from their first semester at Northwood University.

Customized Education through CHOICE

Students have the freedom to shape their learning experiences. Through immersive and personalized learning experiences, students have the opportunity to choose electives that enhance their value profile by customizing their education to achieve the social and economic impact they desire.

Honors Program

The Northwood University Honors Program's general academic mission is to emphasize critical analysis, and synthesis of and evaluation of course content. Its professional mission is to provide a more comprehensive exploration of disciplines used within various

professions. The Honors Program enhances personal growth by creating a community of likeminded students dedicated to maximizing the value of their education.

The Honors Program, offers a variety of honors class sections across all curricula. Faculty members are carefully selected for their expertise and their creative use of teaching resources, materials, and innovative teaching strategies. Honors course offerings will generally apply to all majors and may be taken without extending the time to complete a Northwood degree. Honors courses offer an enhanced range and depth of study through increased quality of work, not quantity of work. Honors courses are also characterized by enhanced discipline-specific and interdisciplinary combinations of the following traits:

- Critical thinking skills – emphasizing reasoning and synthesis, evaluating credibility, intellectual curiosity, and the consideration of alternatives
- Discipline-specific/general research skills – stressing independent research and learning, utilizing primary and secondary sources, originality in research and writing
- Variation in learning experiences – encouraging collaborative learning, out-of-classroom experiences, frequent student-faculty interaction, and discussion-based learning
- Limited size – capping Honors classes at an enrollment of 20 allows greater faculty-student interaction, participation and discussion, encouraging self-directed learning.

Qualifications – See the Northwood University website for Honors Program qualifications.

Honors Scholarship – Honors students who have completed 15 or more semester credit hours in honors courses at Northwood University may apply for honors admission to Semester in Europe. Honors admission automatically provides a scholarship that adjusts the study abroad program fee to the fee level students would otherwise pay for the combination of residential tuition, fees, and room and board. Scholarship amounts will be adjusted in proportion to the individual program fees. **The Honors scholarship may only be used once. Students cannot receive multiple honors scholarships for study abroad.**

Honors Program Participation and Recognition – Honors students can participate in honors courses at three levels and earn three types of recognition. All honors courses are designated on the student's academic transcript, as is successful completion of an Honors Certificate or Honors Diploma.

- Any student enrolled in an honors class is an Honors Participant. Students may do this as long as they meet the minimum requirements for enrollment in the program
- Any student who successfully completes 12 semester credit hours of honors courses in specifically identified categories will have completed the Honors Certificate.
- Any student who successfully completes 24 semester hours of honors courses in specially identified categories will have completed the Honors Diploma.

The Honors Certificate and Honors Diploma require the completion of a BBA degree with cumulative grade point average of 3.25. For details see the Northwood University website.

More information about the Honors Program is available from the Director of the Honors Program.

Study Abroad Programs

Exploring the world beyond borders of your home country is an important step for any student. Studying abroad is an experience that will enrich and challenge a student personally, professionally, and academically. No amount of classroom time can simulate or replace an international experience. Study abroad programs help students develop a higher level of maturity and self-confidence, and help students better appreciate other cultures, make lasting global friendships, understand historical events, and develop a greater awareness of international business and enterprise. Northwood University is committed to offering study abroad programs to fit student needs. All programs include a minimum of a one 3-credit academic course and the subject matter of the academic credit(s) varies according to the expertise and experience of the faculty leader and nature of the study abroad program.

Short-term, faculty-led programs consists of groups of 10 to 20 students traveling to one or two countries up to two weeks. Semester in Europe, our long-term program (over 15 weeks including pre/post work and travel period) is the University's signature program and offered every fall. The Exchange program is the ability for an individual student to study at an international institution for a one semester or year. We strive to deliver a unique experience.

Students interested in a study abroad experience should consult with an academic advisor during their first year as a Northwood student to determine how and when academic credit associated with study abroad programs can most appropriately fit within their curriculum.

Information on all study abroad programs is available on the University's website. To learn more and apply online, visit www.my.northwood.edu and go to the Study Abroad webpage.

General Eligibility Guidelines for Short-Term Study Abroad Programs

1. Successful completion of at least one semester at Northwood University. Exceptions may be made on a case-by-case basis.
2. Fulfillment of any course prerequisites for academic credit associated with study abroad programs.
3. A cumulative GPA of at least 2.5 (4.0 scale). Individual programs may establish higher cumulative GPA requirements. Students on academic notice are not eligible for study abroad programs. *Note: If a student is in good academic standing when he or she applies for study abroad but is placed on academic notice between the time of acceptance into the program and the starting date of the specific program, the student becomes ineligible to participate in study abroad.*
4. Individual programs may establish additional eligibility requirements.

Semester in Europe Study Abroad Program

Students study and travel to multiple countries in western and central Europe for an eight- to ten-week program. Students earn 16 credits. Formal classes are supplemented by study tours, industry and cultural visits, and opportunities to meet with students and industry leaders from host countries such as the United Kingdom, France, Germany, Switzerland and The Netherlands. Countries could change annually depending on the external environment including travel restrictions or schedule of partner institutions.

Students will complete academic class work prior to and after the travel period. Admission to the program is competitive. Semester in Europe is typically offered in the fall semester.

Short-Term, Faculty-Led Study Abroad Programs

Several short-term, faculty-led study abroad programs are also available for students. Students can earn three (3) credits, if offered, for these programs. The travel portion of these programs typically last from one to two weeks and are held between regular semesters or during summer sessions. In the past, Northwood faculty have led short-term programs to locations as varied as Argentina, Australia, the Czech Republic, China, Costa Rica, the Dominican Republic, France, Germany, Ireland, Mexico, Romania, Switzerland, and the United Kingdom. Short-term programs require a series of on-campus formal class meetings and orientation sessions prior to the onset of travel. If for credit, students are typically expected to complete academic class work prior to during, and after the travel period.

Scholarships and Financial Aid for Study Abroad

Students who have completed 15 or more credit hours in honors courses at Northwood University are eligible for the Honors Scholarship for Semester in Europe. Honors admission automatically provides a \$2000 scholarship towards the program fees. The honors scholarship may only be used once.

There are short-term, faculty-led study abroad scholarships students can apply for online through the study abroad website in Blackboard. In some situations, students can also utilize other scholarships and financial aid they are receiving at Northwood for study abroad programs. Students should meet with the Financial Aid Office to discuss further.

Exchange Programs

An exchange program is one in which colleges and universities agree to exchange students over a specified period of time. Students who participate in exchange programs travel to the foreign institution—known as the **host** institution—to study and live for a specified period of time, usually a semester or a six- to eight-week summer program, and transfer the academic credit back to their home institution. Credits are transferable; grades are not. In exchange, students from the foreign host institution come to the home institution for a semester.

Northwood University has exchange agreements with several colleges and universities in Europe. Northwood University also offers one way exchange programs where NU students will study at our partner universities and programs all over the world. Information on all exchange programs is available on Northwood's website, in Blackboard, and through the International Programs Office.

Unlike group study abroad programs, where a group of Northwood University students travel together with a faculty member, individual exchange students apply directly to the host institution through the International Programs office. Participation in an exchange program allows not just for study at a foreign institution, but also for a deeper cultural immersion and understanding. Students who participate in exchange programs invariably return to the U.S. with a profound appreciation for the richness and diversity of other cultures and customs. Students also develop a higher level of intellectual and emotional maturity and often new language and interpersonal skills.

All exchange programs carry academic credit. It is very important that students who are interested in exchange programs consult with an academic advisor early in their Northwood years to determine how and when academic credit transferred from host institutions can most appropriately fit within their curriculum.

General Eligibility Guidelines for Exchange Programs

Most host institutions will assume that students have completed basic coursework in areas like English, Management Information Systems, Mathematics, Economics, Accounting, Management, and Marketing before participating in an exchange program. Thus, the eligibility standards for exchange programs are different than for group study abroad programs.

1. Successful completion of at least 30 semester hours at Northwood University, or, for transfer students, successful completion of the equivalent of 30 semester hours and at least one semester at Northwood University. Students typically apply for exchange programs as sophomores, juniors or seniors.
2. Fulfillment of all course prerequisites for academic credit offered within exchange programs.
3. A cumulative GPA of at least 2.5 (4.0 scale). Students on academic notice are not eligible for exchange programs. *Note: Students must be in good academic standing during the program itself. If students are in good standing when they apply for exchange programs but are put on academic notice between the time of application and the starting date of the program, the student becomes ineligible to participate in the exchange.*
4. Specific exchange programs may have additional eligibility requirements (these will be noted in the host institution's application and information).

Students who wish to participate in exchange programs must complete the online application at my.Northwood.edu under the Study Abroad webpage or through Blackboard.

UNDERGRADUATE CURRICULUM GUIDES

Curriculum guides are student completion guides for bachelor degree programs. Official curriculum guides for each catalog year are available from admissions and academic offices. To fulfill graduation requirements, students are required to complete the curriculum guide that is in effect at the time they are enrolled with the University. However, if a student has stopped attending Northwood for a period of five years or more, upon readmission to the University, the student's transcript will be reevaluated on the program requirements currently in force. The student may be responsible for taking additional coursework if requirements have changed significantly.

Northwood University is devoted to continuous improvement of all programs and reserves the right to revise all curriculum guides or academic programs. These enhancements could cause changes in students' programs of study. The curriculum guides in this catalog reflect what is correct at the time of publication. Each curriculum guide pertains to all locations unless otherwise designated. Students should obtain a date-specific curriculum guide from the registrar or academic office.

Bachelor of Business Administration (BBA)

Accounting

The Accounting program prepares graduates to sit for the Certified Public Accountant (CPA) examination in most states, and to begin a career in public or corporate accounting. Additional credit hours may be required for CPA licensure and licensure requirements vary by state. Students are strongly encouraged to research the licensure requirements within the state they will be testing. The state boards make the final determination of courses that count towards CPA exam eligibility. To locate a state board of accountancy, please visit <http://nasba.org/stateboards/>.

The following guide outlines the suggested sequence for a student to complete four (4) years of coursework (120 credits) including general education, common professional core, and major requirements. Students who want to pursue an additional major or minor should consult with an academic advisor to determine the best education plan.

FRESHMAN YEAR - FALL

MGT 2300 Principles of Management	3
MIS 1500 Business Productivity Software	3
PHIL 1100 Phil of American Life & Business	3
ENG 1150 Composition I	3
ACC 2410 Fundamentals of Financial Accounting	3
LDR 1110 The NU Experience	1
	16

FRESHMAN YEAR - SPRING

MKT 2080 Principles of Marketing	3
MTH 1100 Finite Math or MTH 1150 College Algebra	3
ECN 2210 Principles of Microeconomics	3
ENG 1200 Composition II	3
ACC 2415 Fundamentals of Managerial Accounting	3
LDR 1300 Professional Branding & Planning	1
	16
	32

SOPHOMORE YEAR – FALL

ECN 2220 Principles of Microeconomics	3
HIS 2100 Foundations of the Modern World I	3
MTH 2310 Statistics I	3
CHOICE	3
ACC 3110 Intermediate Accounting I	3
LDR 2250 Emerging Leaders	1
	16

SOPHOMORE YEAR - SPRING

CHOICE	3
PSC 2010 Introduction to American Government	3
SPC 2050 Speech Communications	3
NSC 2100 Environmental Science	3
ACC 3115 Intermediate Accounting II	3
	15
	31

JUNIOR YEAR – FALL

FIN 3210 Financial Management for Majors	3
LAW 3025 Business Law for Accounting Majors	3
CHOICE	3
ACC 3120 Managerial/Cost Accounting	3
ACC 3400 Federal Taxation	3
	15

JUNIOR YEAR - SPRING

3000/4000 Choice	3
PHL 3100 Ethics	3
3000/4000 Choice	3
ACC 3500 Accounting Information Systems	3
ACC 3000/4000 Elective	3
	15
	30

SENIOR YEAR – FALL

MGT 4250 Organizational Behavior	3
3000/4000 Choice	3
3000/4000 PSY/SOC/HUM Elective	3
ACC 4010 Auditing	3
ACC 4220 Advanced Accounting	3
	15

SENIOR YEAR - SPRING

MGT 4800 Strategic Planning	3
ECN 4010 Economics of Public Policy	3
ACC 3000/4000 Elective	3
ACC 3000/4000 Elective	3
CHOICE Optional	
	15
	30

SEMESTER HOURS TO GRADUATE 120

Bachelor of Business Administration (BBA)

Aftermarket Management

Aftermarket Management covers all aspects of the automotive replacement parts industry including performance, accessories, collision and heavy duty. Aftermarket refers to any product or service sold after the original purchase of a vehicle. Our students learn how parts are marketed, sold and distributed from manufacture through the value chain to wholesalers, retailers, consumers and repair shop. Students have the opportunity to attend various trade events including AAPEX and SEMA. Coursework covers areas from marketing, sales, supply chain management, and global influences to business analytics (category management).

The following guide outlines the suggested sequence for a student to complete four (4) years of coursework (120 credits) including general education, common professional core, and major requirements. Students who want to pursue an additional major or minor should consult with an academic advisor to determine the best education plan.

FRESHMAN YEAR - FALL

MGT 2300 Principles of Management	3
ENG 1150 Composition I	3
MTH 1100 Finite Math or MTH 1150 College Algebra	3
PHIL 1100 Phil of American Life & Business	3
AM 1200 History and Culture of the Automotive Industry	3
LDR 1110 The NU Experience	1
	16

FRESHMAN YEAR - SPRING

MKT 2080 Principles of Marketing	3
ENG 1200 Composition II	3
MIS 1500 Business Productivity Software	3
ECN 2210 Principles of Microeconomics	3
AMM 1120 Aftermarket Manufacturing Management	3
LDR 1300 Professional Branding & Planning	1
	16
	32

SOPHOMORE YEAR – FALL

ACC 2410 Fundamentals of Financial Accounting	3
HIS 2100 Foundations of the Modern World I CHOICE	3
ECN 2220 Principles of Macroeconomics	3
AMM 2050 Automotive Retail/Wholesale Management	3
LDR 2250 Emerging Leaders	1
	16

SOPHOMORE YEAR - SPRING

ACC 2415 Fundamentals of Managerial Accounting	3
PSC 2010 Introduction to American Government	3
SPC 2050 Speech Communications CHOICE	3
AMM 2100 Heavy Duty Parts & Service Marketing	3
	15
	31

JUNIOR YEAR – FALL

FIN 3010 Financial Management	3
3000/4000 Choice	3
AMM 4040 Aftermarket Field Sales Mgt	3
MTH 2310 Statistics	3
MKT 3350 Lean Distribution	3
	15

JUNIOR YEAR - SPRING

AMM 3600 Logistics & Supply Chain Mgt	3
AMM 3050 Category Management	3
LAW 3000 Business Law I	3
3000/4000 Choice	3
CHOICE Optional	
	12
	27
AMM 3990 Internship (Required)	3
	3

SENIOR YEAR – FALL

MGT 4250 Organizational Behavior	3
PHL 3100 Ethics	3
3000/4000 PSY/SOC/HUM	3
3000/4000 Choice	3
AMM 4120 Current Issues in Global Aftermarket	3
	15

SENIOR YEAR - SPRING

MGT 4800 Strategic Planning	3
ECN 4010 Economics of Public Policy	3
3000/4000 Choice	3
AMM 4130 Aftermarket Management Research	3
CHOICE optional	
	12
	27

SEMESTER HOURS TO GRADUATE 120

Bachelor of Business Administration (BBA)

Automotive Marketing & Management

The Automotive Marketing and Management program focuses on the various aspects of the automotive marketing function including dealership advertising, finance and insurance, budgeting and forecasting, parts and service, and used car management. A computer simulation in which class members are challenged to rescue a troubled dealership is completed during the final semester.

The following guide outlines the suggested sequence for a student to complete four (4) years of coursework (120 credits) including general education, common professional core, and major requirements. Students who want to pursue an additional major or minor should consult with an academic advisor to determine the best education plan.

FRESHMAN YEAR - FALL

MGT 2300 Principles of Management	3
ENG 1150 Composition I	3
MIS 1500 Business Productivity Software	3
PHL 1100 Phil of American Life & Business	3
AM 1200 History and Culture of the Automotive Industry	3
LDR 1110 The NU Experience	1
	16

FRESHMAN YEAR - SPRING

MKT 2080 Principles of Marketing	3
ENG 1200 Composition II	3
MTH 1100 Finite Math <i>or</i> MTH 1150 College Algebra	3
ECN 2210 Principles of Microeconomics	3
AM 2640 Dealership Variable Operations	3
LDR 1300 Professional Branding & Planning	1
	16
	32

SOPHOMORE YEAR – FALL

ACC 2410 Fundamentals of Financial Accounting	3
SPC 2050 Speech Communications	3
CHOICE	3
ECN 2220 Principles of Macroeconomics	3
AM 2650 Dealership Fixed Operations	3
LDR 2250 Emerging Leaders	1
	16

SOPHOMORE YEAR - SPRING

ACC 2415 Fundamentals of Managerial Accounting	3
HIS 2100 Foundations of the Modern World I	3
CHOICE	3
PSC 2010 Introduction to American Government	3
AM Elective	3
	15
	31

JUNIOR YEAR – FALL

FIN 3010 Financial Management	3
LAW 3000 Business Law I	3
MTH 2310 Statistics I	3
3000/4000 Choice Elective	3
AM 3650 Dealership Legal Issues/Finance and Insurance	3
	15

JUNIOR YEAR - SPRING

3000/4000 Choice Elective	3
AM 3630 Dealership Accounting	3
3000/4000 PSY/SOC/HUM	3
NSC 2100 Environmental Science	3
CHOICE Optional	
	12
	27
AMM 3990 Internship (Required)	3
	3

SENIOR YEAR – FALL

MGT 4250 Organizational Behavior	3
PHL 3100 Ethics	3
3000/4000 Choice Elective	3
AM 4650 Dealership Financial Statement	3
AM Elective	3
	15

SENIOR YEAR - SPRING

MGT 4800 Strategic Planning	3
AM Elective	3
ECN 4010 Economics of Public Policy	3
AM 4670 Dealership General Management	3
CHOICE optional	
	12
	27

SEMESTER HOURS TO GRADUATE 120

Bachelor of Business Administration (BBA)

Automotive and Mobility Studies

The Automotive Mobility Studies program equips students with a powerful combination of business strategy, mobility-industry expertise, and hands-on experience across global automotive markets. Every layer of the mobility ecosystem will be explored, from dealership operations and aftermarket performance to powersports, motorsports, and the technologies reshaping how people and products move.

The following guide outlines the suggested sequence for a student to complete four (4) years of coursework (120 credits) including general education, common professional core, and major requirements. Students who want to pursue an additional major or minor should consult with an academic advisor to determine the best education plan.

FRESHMAN YEAR - FALL

MGT 2300 Principles of Management	3
ENG 1150 Composition I	3
MIS 1500 Business Productivity Software	3
PHL 1100 Phil of American Life & Business	3
AM 1200 History and Culture of the Automotive Industry	3
LDR 1110 The NU Experience	1
	16

FRESHMAN YEAR - SPRING

MKT 2080 Principles of Marketing	3
ENG 1200 Composition II	3
MTH 1100 Finite Math <i>or</i> MTH 1150 College Algebra	3
CHOICE	3
AM 2000 Anatomy of Motor Vehicles	3
LDR 1300 Professional Branding & Planning	1
	16
	32

SOPHOMORE YEAR – FALL

ACC 2410 Fundamentals of Financial Accounting	3
NSC 2100 Environmental Science	3
AM 3800 Fundamentals of Motorsports	3
SPC 2050 Speech Communications	3
SPM 2550 Event & Production Management	3
LDR 2250 Emerging Leaders	1
	16

SOPHOMORE YEAR - SPRING

ACC 2415 Fundamentals of Managerial Accounting	3
AM 2540 Automotive Digital Marketing	3
HIS 2100 Foundations of the Modern World I	3
MIS 2100 Visual Analytics for Bus. Intelligence	3
PSC 2010 Introduction to American Government	3
	15
	31

JUNIOR YEAR – FALL

AM 3040 Global Automotive Issues	3
ECN 2210 Principles of Microeconomics	3
FIN 3010 Financial Management	3
MTH 2310 Statistics I	3
3000/4000 Choice Elective	3
	15

JUNIOR YEAR - SPRING

AM 3860 Fund. of the Powersports Industry	3
ECN 2220 Principles of Macroeconomics	3
LAW 3000 Business Law I	3
MKT 3400 The Customer Experience	3
CHOICE Optional	
	12
	27
AMM 3990 Internship (Required)	3
	3

SENIOR YEAR – FALL

MGT 4250 Organizational Behavior	3
PHL 3100 Ethics	3
3000/4000 PSY/SOC/HUM	3
3000/4000 Choice Elective	3
3000/4000 Choice Elective	3
	15

SENIOR YEAR - SPRING

MGT 4800 Strategic Planning	3
3000/4000 Choice Elective	3
ECN 4010 Economics of Public Policy	3
AM 4700 Automotive & Mobility Leadership	3
CHOICE optional	
	12
	27

SEMESTER HOURS TO GRADUATE 120

Bachelor of Science (BS) Computer Science

The Computer Science program provides students with the ability to use computing to solve complex and challenging problems and enables them to make a positive difference in the world. Computer science offers great opportunities for those with creative and innovative minds. In this rigorous program, students will design and develop a deployment ready program to solve real business problems.

The following guide outlines the suggested sequence for a student to complete four (4) years of coursework (120 credits) including general education, common professional core, and major requirements. Students who want to pursue an additional major or minor should consult with an academic advisor to determine the best education plan.

FRESHMAN YEAR - FALL

MIS 1110 Intro to Management Info Systems	3
ENG 1150 Composition I	3
PHIL 1100 Phil of American Life & Business	3
MGT 2300 Principles of Management	3
MIS 1500 Business Productivity Software	3
LDR 1110 The NU Experience	1

16

FRESHMAN YEAR - SPRING

CS 1100 Computer Architecture	3
MIS 1300 Information Technology Infrastructure	3
ECN 2210 Principles of Microeconomics	3
ENG 1200 Composition II	3
MTH 1100 Finite Math or MTH 1150 College Algebra	3
LDR 1300 Professional Branding & Planning	1

16 32

SOPHOMORE YEAR – FALL

ACC 2410 Fundamentals of Financial Accounting	3
MIS 2140 Programming I	3
CYB 2300 Advanced Networking Systems	3
ECN 2220 Principles of Macroeconomics	3
MTH 3100 Calculus	3
LDR 2250 Emerging Leaders	1

16

SOPHOMORE YEAR - SPRING

ACC 2415 Fundamentals of Managerial Accounting	3
MIS 2150 Programming II	3
CS 2500 Data Structures and Algorithms	3
MTH 2310 Statistics I	3
MKT 2080 Principles of Marketing	3

15 31

JUNIOR YEAR – FALL

CS 3100 Computer Organization & Assembly Language	3
CYB 2150 Scripting	3
MTH 2870 Linear Algebra and Matrix Theory	3
MIS 3400 Systems Analysis and Design	3
SPC 2050 Speech Communications	3

15

JUNIOR YEAR - SPRING

MIS 3200 Database Design & Implementation	3
MTH 3150 Data Science for Informed Decision Making	3
PHL 3100 Ethics	3
LAW 3000 Business Law I	3
CHOICE (<i>PSC 2010 recommended.</i>)	3

15 30

SENIOR YEAR – FALL

MGT 4250 Organizational Behavior	3
HIS Elective (<i>Western Civilization Rec.</i>)	3
CS 4000 Algorithm Design and Analysis	3
CS 4100 Operating Systems	3
FIN 3010 Financial Management	3

15

SENIOR YEAR - SPRING

MIS 4500 Technology Capstone Project	3
ECN 4010 Economics of Public Policy	3
NSC Elective (<i>Environmental Science Rec.</i>)	3
MGT 4800 Strategic Planning	3
CHOICE optional	

12 27

SEMESTER HOURS TO GRADUATE

120

Bachelor of Applied Science (BAS) Cybersecurity

The 90-credit cybersecurity program equips students with a thorough grounding in the principles of safeguarding digital data and a practical skillset immediately applicable in the real world. The program is designed for completion in 90 credit hours, ensuring highly trained, qualified professionals enter the workforce faster to strengthen cybersecurity defense in an increasingly digital world.

The following guide outlines the suggested sequence for a student to complete three (3) years of coursework (90 credits) including general education, common professional core, and major requirements.

YEAR 1 - FALL

MGT 2300 Principles of Management	3
ENG 2900 Technical Writing for STEM	3
PHL 1100 Phil of American Life & Business	3
MIS 2140 Programming I	3
MIS 1550 Introduction to Information Systems	3
LDR 1110 The NU Experience	1
16	

YEAR 1 - SPRING

CYB 2100 Cybersecurity Principles	3
CYB 2150 Scripting	3
ECN 2210 Principles of Microeconomics	3
MKT 2080 Principles of Marketing	3
LDR 1300 Professional Branding & Planning	1
MTH 1100 Finite Math <i>or</i> MTH 1150 College Algebra	3
16	32

YEAR 2 – FALL

ACC 2410 Fundamentals of Financial Accounting	3
CYB 2300 Advanced Networking	3
CYB 3000 Cryptography and Current Trends	3
CYB 3200 Network Security	3
ECN 2220 Principles of Macroeconomics	3
LDR 2250 Emerging Leaders	1
16	

YEAR 2 - SPRING

ACC 2415 Fundamentals of Managerial Accounting	3
CYB 3300 Physical and Operational Security	3
MGT 4250 Organizational Behavior	3
MTH 2310 Statistics I	3
MIS 3990 Internship	3
15	31

YEAR 3 – FALL

CYB 3950 Advanced Operational Security	3
CYB 4100 Ethical Hacking	3
ECN 4010 Economics of Public Policy	3
MIS 3400 Systems Analysis and Design	3
FIN 3010 Financial Management	3
15	

YEAR 3 - SPRING

CYB 3800 Information Security	3
CYB 4000 Digital Forensics	3
MGT 4800 Strategic Planning	3
MIS 4500 Technology Capstone Project	3
CHOICE Optional	
12	27

SEMESTER HOURS TO GRADUATE

90

Bachelor of Science (BS) Cybersecurity

The BS in cybersecurity program is uniquely designed to prepare students with the skills and knowledge to meet the cybersecurity needs of employers in both the private and public sectors. Students take courses that provide opportunities to gain real- world problem-solving experience and technical skills specifically suited to careers in cybersecurity. Northwood collaborates with industry partners in areas that include curriculum development and cybersecurity lab set-up to ensure students have a solid foundation of understanding and ability to perform essential tasks in the cybersecurity field.

The following guide outlines the suggested sequence for a student to complete four (4) years of coursework (120 credits) including general education, common professional core, and major requirements. Students who want to pursue an additional major or minor should consult with an academic advisor to determine the best education plan.

FRESHMAN YEAR - FALL

ENG 1150 Composition I	3
MIS 1110 Introduction to Management Information Systems	3
MIS 2140 Programming I	3
MIS 2140 Programming I	3
PHL 1100 Phil of American Life & Business	1
LDR 1110 The NU Experience	1
	16

FRESHMAN YEAR - SPRING

CYB 2100 Cybersecurity Principles	3
CYB 2150 Scripting	3
MIS 1300 Information Technology Infrastructure	3
MIS 2150 Programming II	3
MTH 1100 Finite Math <i>or</i> MTH 1150 College Algebra	3
LDR 1300 Professional Branding & Planning	1
	16
	32

SOPHOMORE YEAR – FALL

ACC 2410 Fundamentals of Financial Accounting	3
CYB 2300 Advanced Networking Systems	3
ECN 2210 Principles of Microeconomics	3
ENG 1200 Composition II	3
MIS 1500 Business Productivity Software	3
LDR 2250 Emerging Leaders	1
	16

SOPHOMORE YEAR - SPRING

ACC 2415 Fundamentals of Managerial Accounting	3
CYB 3300 Physical & Operational Security	3
ECN 2220 Principles of Macroeconomics	3
MTH 2310 Statistics I	3
MKT 2080 Principles of Marketing	3
	15
	31

JUNIOR YEAR – FALL

CYB 3000 Cryptography & Current Trends	3
CYB 3200 Network Security	3
SPC 2050 Speech Communications	3
MIS 3400 Systems Analysis and Design	3
CHOICE (<i>PSC 2010 recommended.</i>)	3
	15

JUNIOR YEAR - SPRING

MTH 3400 Introduction to Data Science	3
CYB 4000 Digital Forensics	3
PHL 3100 Ethics	3
HIS Elective (<i>Western Civ. Recommended</i>)	3
NSC Elective (<i>Environmental Science Rec.</i>)	3
	15
	30

SENIOR YEAR – FALL

CYB 3950 Advanced Operational Security	3
CYB 4100 Ethical Hacking	3
FIN 3010 Financial Management	3
LAW 3000 Business Law I	3
MGT 4250 Organizational Behavior	3
	15

SENIOR YEAR - SPRING

CYB 3800 Information Security	3
MIS 4500 Technology Capstone Project	3
ECN 4010 Economics of Public Policy	3
MGT 4800 Strategic Planning	3
CHOICE Optional	
	12
	27

SEMESTER HOURS TO GRADUATE 120

Bachelor of Business Administration (BBA) Cybersecurity Management

The cybersecurity management program provides students with the ability to assess risk and develop risk management strategies and policies. In this rigorous program, students will design their own secure information system and develop a robust incident response, disaster recovery and business continuity plan.

The following guide outlines the suggested sequence for a student to complete four (4) years of coursework (120 credits) including general education, common professional core, and major requirements. There is also a built in minor in Management Information Systems (MIS) that is integrated into this degree plan.

FRESHMAN YEAR - FALL

MGT 2300 Principles of Management	3
ENG 1150 Composition I	3
PHL 1100 Phil of American Life & Business	3
MKT 2080 Principles of Marketing	3
MIS 1110 Introduction to Management Information Systems	3
LDR 1110 The NU Experience	1
	16

FRESHMAN YEAR - SPRING

ENG 1200 Composition II	3
ECN 2210 Principles of Microeconomics	3
MIS 1300 Information Technology Infrastructure	3
MIS 1500 Business Productivity Software	3
LDR 1300 Professional Branding & Planning	1
MTH 1100 Finite Math <i>or</i> MTH 1150 College Algebra	3
	16
	32

SOPHOMORE YEAR – FALL

ACC 2410 Fundamentals of Financial Accounting	3
HIS 2100 Foundations of the Modern World I	3
MIS 2140 Programming I	3
ECN 2220 Principles of Macroeconomics	3
CHOICE	3
LDR 2250 Emerging Leaders	1
	16

SOPHOMORE YEAR - SPRING

ACC 2415 Fundamentals of Managerial Accounting	3
PSC 2010 Introduction to American Government	3
SPC 2050 Speech Communications	3
CYB 2100 Cybersecurity Principles	3
MIS 3300 Project Management	3
	15
	31

JUNIOR YEAR – FALL

3000/4000 Choice Elective	3
MTH 2310 Statistics I	3
NSC 2100 Environmental Science	3
MIS 3400 Systems Analysis and Design	3
CYB 3200 Network Security	3
	15

JUNIOR YEAR - SPRING

CYB 3300 Physical and Operational Security	3
PSC 2010 Introduction to American Government	3
MIS 3200 Database Design & Implementation <i>or</i> MIS 3250 ERP Business Applications	3
3000/4000 PSY/SOC/HUM Elective	3
FIN 3010 Financial Management	3
	15
	30

SENIOR YEAR – FALL

MGT 4250 Organizational Behavior	3
LAW 3000 Business Law I	3
PHL 3100 Ethics	3
3000/4000 Choice Elective	3
CYB 4100 Ethical Hacking	3
	15

SENIOR YEAR - SPRING

MGT 4800 Strategic Planning	3
MIS 4500 Technology Capstone Project	3
ECN 4010 Economics of Public Policy	3
CYB 3800 Information Security	3
CHOICE Optional	
	12
	27

SEMESTER HOURS TO GRADUATE

120

Bachelor of Science (BS)

Data Analytics

The data analytics program is geared toward structuring students' preparation for the digital economy and driving business and organizational outcomes toward smarter decisions. To develop workplace competencies, students will gain insights into customer, finance, healthcare, operations, insurance, and marketing analytics while undertaking use case studies in a variety of classroom settings. By emphasizing the hands-on application of career-transferable data-analytic and critical-thinking tools culminating in a capstone project, students will undergo modernized training and development for building multi-disciplinary strength and long-term employability.

The following guide outlines the suggested sequence for a student to complete four (4) years of coursework (120 credits) including general education, common professional core, and major requirements. Students who want to pursue an additional major or minor should consult with an academic advisor to determine the best education plan.

FRESHMAN YEAR - FALL

PHL 1100 Phil of American Life & Business	3
ENG 1150 Composition I	3
MGT 2300 Principles of Management	3
MIS 1250 Foundations of Data Analytics I	3
OPS 1100 Introduction to Operations Management	3
LDR 1110 The NU Experience	1
	16

FRESHMAN YEAR - SPRING

OPS 1200 Business Process Management	3
ECN 2210 Principles of Microeconomics	3
ENG 1200 Composition II	3
MIS 1350 Foundations of Data Analytics II	3
MTH 1150 College Algebra	3
LDR 1300 Professional Branding & Planning	1
	16
	32

SOPHOMORE YEAR – FALL

ACC 2410 Fundamentals of Financial Accounting	3
MIS 2140 Programming I	3
MIS 1500 Business Productivity Software	3
ECN 2220 Principles of Macroeconomics	3
MTH 2310 Statistics I	3
LDR 2250 Emerging Leaders	1
	16

SOPHOMORE YEAR - SPRING

ACC 2415 Fundamentals of Managerial Accounting	3
MIS 2100 Visual Analytics for Business Intelligence	3
MIS 3200 Database Design & Implementation	3
MTH 3340 Statistics II	3
SPC 2050 Speech Communications	3
	15
	31

JUNIOR YEAR – FALL

CS 3140 Programming for Data Analysis	3
FIN 3010 Financial Management	3
MKT 2080 Principles of Marketing	3
MTH 2870 Linear Algebra and Matrix Theory	3
MTH 3150 Data Science for Informed Decision Making	3
	15

JUNIOR YEAR - SPRING

MTH 3450 Data Mining for Business Analytics	3
MIS 3350 Advanced Database Mgt & Visualizations for Analytics	3
PHL 3100 Ethics	3
HIS Elective (<i>Western Civilization Rec.</i>)	3
CHOICE (<i>PSC 2010 Recommended</i>)	3
	15
	30

SENIOR YEAR – FALL

MGT 4250 Organizational Behavior	3
NSC Elective (<i>Environmental Science Rec.</i>)	3
MTH 4500 Forecasting & Simulation Tech.	3
MIS 4100 Machine Learning Tech.	3
LAW 3000 Business Law I	3
	15

SENIOR YEAR - SPRING

MIS 4300 Data Analytics Capstone Project	3
MIS 4200 Big Data & Cloud Computing	3
ECN 4010 Economics of Public Policy	3
MGT 4800 Strategic Planning	3
CHOICE Optional	
	12
	27

SEMESTER HOURS TO GRADUATE 120

Bachelor of Business Administration (BBA)

Economics

The Economics program focuses on important aspects of economic theory, philosophy, and application, including courses in intermediate theory, development of economic thought, economic forecasting and research, and monetary theory.

The following guide outlines the suggested sequence for a student to complete four (4) years of coursework (120 credits) including general education, common professional core, and major requirements. Students who want to pursue an additional major or minor should consult with an academic advisor to determine the best education plan.

FRESHMAN YEAR - FALL

MGT 2300 Principles of Management	3
ENG 1150 Composition I	3
MIS 1500 Business Productivity Software	3
MKT 2080 Principles of Marketing	3
PHL 1100 Phil of American Life & Business	3
LDR 1110 The NU Experience	1
	16

FRESHMAN YEAR - SPRING

ECN 2210 Principles of Microeconomics	3
ENG 1200 Composition II	3
MTH 1100 Finite Math <i>or</i> MTH 1150 College Algebra	3
CHOICE Elective	3
SPC 2050 Speech Communications	3
LDR 1300 Professional Branding & Planning	1
	16
	32

SOPHOMORE YEAR – FALL

ACC 2410 Fundamentals of Financial Accounting	3
ECN 2220 Principles of Macroeconomics	3
PSC 2010 Introduction to American Government	3
MTH 3100 Calculus I	3
CHOICE Elective	3
LDR 2250 Emerging Leaders	1
	16

SOPHOMORE YEAR - SPRING

ACC 2415 Fundamentals of Managerial Accounting	3
HIS 2100 Foundations of the Modern World I	3
ECN 3010 Intermediate Microeconomics	3
CHOICE Elective	3
NSC 2100 Environmental Science	3
	15
	31

JUNIOR YEAR – FALL

3000/4000 Choice Elective	3
3000/4000 Choice Elective	3
ECN Elective	3
MTH 2310 Statistics I	3
PHL 3100 Ethics	3
	15

JUNIOR YEAR - SPRING

3000/4000 Choice Elective	3
ECN Elective	3
FIN 3010 Financial Management	3
LAW 3000 Business Law I	3
ECN 3020 Intermediate Macroeconomics	3
	15
	30

SENIOR YEAR – FALL

3000/4000 Choice Elective	3
3000/4000 PSY/SOC/HUM Elective	3
ECN 4010 Economics of Public Policy	3
ECN 4500 Introduction to Econometrics	3
MGT 4250 Organizational Behavior	3
	15

SENIOR YEAR - SPRING

MGT 4800 Strategic Planning	3
3000/4000 Choice Elective	3
3000/4000 Choice Elective	3
ECN 4890 Research Methods	3
CHOICE Optional	
	12
	27

SEMESTER HOURS TO GRADUATE 120

Bachelor of Business Administration (BBA)

Entrepreneurship

The Entrepreneurship program focuses on business enterprise models and entrepreneurial bases. By combining a rigorous academic curriculum, leadership development, and experiential learning, graduates prepare to become tomorrow's entrepreneurs.

The following guide outlines the suggested sequence for a student to complete four (4) years of coursework (120 credits) including general education, common professional core, and major requirements. Students who want to pursue an additional major or minor should consult with an academic advisor to determine the best education plan.

FRESHMAN YEAR - FALL

MGT 2300 Principles of Management	3
ACC 2410 Fundamentals of Financial Accounting	3
PHL 1100 Phil of American Life & Business	3
ENG 1150 Composition I	3
ETR 1010 Introduction to Entrepreneurship	3
FND 1110 Student Success Seminar	1
16	

FRESHMAN YEAR - SPRING

MKT 2080 Principles of Marketing	3
ACC 2415 Fundamentals of Managerial Accounting	3
ECN 2210 Principles of Microeconomics	3
ENG 1200 Composition II	3
ETR 1200 Successful Business Models	3
LDR 1300 Professional Branding & Planning	1
16	32

SOPHOMORE YEAR – FALL

ECN 2220 Principles of Macroeconomics	3
CHOICE Elective	3
MTH 1100 Finite Math <i>or</i> MTH 1150 College Algebra	3
MIS 1500 Business Productivity Software	3
ETR 2010 Entrepreneurial Marketing	3
LDR 2250 Emerging Leaders	1
16	

SOPHOMORE YEAR - SPRING

CHOICE Elective	3
HIS 2100 Foundations of the Modern World I	3
SPC 2050 Speech Communications	3
FIN 3010 Financial Management	3
ETR 2200 Entrepreneurship Distribution Strategies	3
15	31

JUNIOR YEAR – FALL

NCS 2100 Environmental Science	3
LAW 3000 Business Law I	3
3000/4000 Choice Elective	3
MTH 2310 Statistics I	3
ETR 3010 New Venture Finance	3
15	

JUNIOR YEAR - SPRING

PSC 2010 Introduction to American Government	3
3000/4000 Choice Elective	3
ETR 3300 Business Plan Development	3
PHL 3100 Ethics	3
CHOICE Optional	
12	27
ETR 3990 Internship (Required)	3
	3

SENIOR YEAR – FALL

MGT 4250 Organizational Behavior	3
3000/4000 PSY/SOC/HUM Elective	3
3000/4000 Choice Elective	3
ETR Elective	3
ETR 4010 Risk Analysis & Sources of Capital	3
15	

SENIOR YEAR - SPRING

MGT 4800 Strategic Planning	3
ETR Elective	3
ETR 4200 New Venture Business Case Senior Project	3
ECN 4010 Economics of Public Policy	3
CHOICE Optional	
12	27

SEMESTER HOURS TO GRADUATE 120

Bachelor of Business Administration (BBA)

Esports Management

The Esports Management program focuses on digital disciplines and business knowledge in a fast-growing industry. Courses in event management, esports performance management, and coaching management will have students examine in-depth topics relating to the finance, marketing, branding, and management of the esports industry. The program includes a career-related internship. This program applies to students who began their studies before the 2026-2027 academic year.

The following guide outlines the suggested sequence for a student to complete four (4) years of coursework (120 credits) including general education, common professional core, and major requirements. Students who want to pursue an additional major or minor should consult with an academic advisor to determine the best education plan.

FRESHMAN YEAR - FALL

MGT 2300 Principles of Management	3
ENG 1150 Composition I	3
MTH 1100 Finite Math <i>or</i> MTH 1150 College Algebra	3
PHL 1100 Phil of American Life & Business	3
SPM 1010 Introduction to Sport Management	3
LDR 1110 The NU Experience	1
	16

FRESHMAN YEAR - SPRING

MKT 2080 Principles of Marketing	3
ENG 1200 Composition II	3
MIS 1500 Business Productivity Software	3
ECN 2210 Principles of Microeconomics	3
SPM 1040 Collegiate Athletic Administration	3
LDR 1300 Professional Branding & Planning	1
	16
	32

SOPHOMORE YEAR – FALL

ACC 2410 Fundamentals of Financial Accounting	3
HIS 2100 Foundations of the Modern World I	3
ECN 2220 Principles of Macroeconomics	3
SPC 2050 Speech Communications	3
MIS 2140 Programming I	3
LDR 2250 Emerging Leaders	1
	16

SOPHOMORE YEAR - SPRING

ACC 2415 Fundamentals of Managerial Accounting	3
CHOICE Elective	3
PSC 2010 Intro to American Government	3
NSC 2100 Environmental Science	3
SPT 2100 Esports Event Management	3
	15
SPT 2040 Practicum I (Recommended)	1
	31
	1

JUNIOR YEAR – FALL

FIN 3010 Financial Management	3
LAW 3000 Business Law I	3
SPM 3010 Sport Marketing	3
MTH 2310 Statistics I	3
SPT 3000 Esports Performance Management	3
	15

JUNIOR YEAR - SPRING

MGT 4250 Organizational Behavior	3
MIS 3200 Database Design & Implementation	3
3000/4000 PSY/SOC/HUM Elective	3
MIS 3300 Project Management	3
CHOICE Optional	
	12
SPT 3990 Internship (Required)	3
	27
	3

SENIOR YEAR – FALL

SPT 3100 Esports Coaching Management	3
3000/4000 CHOICE Elective	3
3000/4000 CHOICE Elective	3
MTH 3400 Introduction to Data Science	3
PHL 3100 Ethics	3
	15

SENIOR YEAR - SPRING

MGT 4800 Strategic Planning	3
ECN 4010 Economics of Public Policy	3
CYB 3800 Information Security	3
SPT 3100 Seminar in Esports Management	3
CHOICE Optional	
	12
	27

SEMESTER HOURS TO GRADUATE 120

Bachelor of Business Administration (BBA)

Fashion Marketing & Management

The Fashion Marketing & Management (FMM) program focuses on the highly complex world of fashion marketing. Fashion courses include textiles, fashion promotions, history of fashion, buying, theory and practice, and apparel analysis. The program includes a career-related internship. Seniors have the opportunity to sit for the National Certification in Fashion, Textiles and Apparel exam prior to graduation. This program applies to students who began their studies before the 2023-2024 academic year.

The following guide outlines the suggested sequence for a student to complete four (4) years of coursework (120 credits) including general education, common professional core, and major requirements. Students who want to pursue an additional major or minor should consult with an academic advisor to determine the best education plan.

FRESHMAN YEAR - FALL

MGT 2300 Principles of Management	3
ENG 1150 Composition I	3
MKT 2080 Principles of Marketing	3
PHL 1100 Phil of American Life & Business	3
FMM 1010 Introduction to Fashion Merchandising	3
LDR 1110 The NU Experience	1
	16

FRESHMAN YEAR - SPRING

MIS 1500 Business Productivity Software	3
ENG 1200 Composition II	3
MTH 1100 Finite Math <i>or</i> MTH 1150 College Algebra	3
ECN 2210 Principles of Microeconomics	3
MKT 2150 Selling & Sales Management	3
LDR 1300 Professional Branding & Planning	1
	16
	32

SOPHOMORE YEAR – FALL

ACC 2410 Fundamentals of Financial Accounting	3
HIS 2100 Foundations of the Modern World I	3
CHOICE Elective	3
ECN 2220 Principles of Macroeconomics	3
FMM 2010 Fashion Promotions & Visual Merchandising	3
LDR 2250 Emerging Leaders	1
	16

SOPHOMORE YEAR - SPRING

ACC 2415 Fundamentals of Managerial Accounting	3
CHOICE Elective	3
SPC 2050 Speech Communications	3
NSC 2100 Environmental Science	3
FMM 2050 Textiles	3
	15
	31

JUNIOR YEAR – FALL

FIN 3210 Financial Management	3
MTH 2310 Statistics I	3
CHOICE Elective	3
PSC 2010 Intro to American Government	3
FMM 3020 History of Fashion	3
	15

JUNIOR YEAR - SPRING

FMM 3110 Apparel Analysis	3
LAW 3000 Business Law I	3
3000/4000 CHOICE Elective	3
PHL 3100 Ethics	3
CHOICE Optional	
	12
	27
FMM 3990 Internship (Required)	3
	3

SENIOR YEAR – FALL

FMM 4030 Merchandising Buying	3
3000/4000 CHOICE Elective	3
3000/4000 CHOICE Elective	3
MGT 4250 Organizational Behavior	3
3000/4000 PSY/SOC/HUM Elective	3
	15

SENIOR YEAR - SPRING

MGT 4800 Strategic Planning	3
3000/4000 CHOICE Elective	3
ECN 4010 Economics of Public Policy	3
FMM 4120 Theories & Practice of Fashion Merchandising	3
CHOICE Optional	
	12
	27

SEMESTER HOURS TO GRADUATE 120

Bachelor of Business Administration (BBA)

Finance

The Finance program prepares students to immediately contribute productively in their chosen financial field in the global economy. Graduates of this program also have the capabilities to assume leadership roles as their careers progress. Students are able to identify and solve financial problems and opportunities. They fully understand and appreciate financial results in order to influence decision making processes. They are able to apply financial concepts, techniques, and technological tools along with strong logic, reasoning, critical thinking, and communication skills in a variety of financial venues.

The following guide outlines the suggested sequence for a student to complete four (4) years of coursework (120 credits) including general education, common professional core, and major requirements. Students who want to pursue an additional major or minor should consult with an academic advisor to determine the best education plan.

FRESHMAN YEAR - FALL

ACC 2410 Fundamentals of Financial Accounting	3
ENG 1150 Composition I	3
PHL 1100 Phil of American Life & Business	3
MGT 2300 Principles of Management	3
FIN 1010 Introduction to Finance	3
LDR 1110 The NU Experience	1
	16

FRESHMAN YEAR - SPRING

ACC 2415 Fundamentals of Managerial Accounting	3
ENG 1200 Composition II	3
MTH 1100 Finite Math <i>or</i> MTH 1150 College Algebra	3
ECN 2210 Principles of Microeconomics	3
MKT 2080 Principles of Marketing	3
LDR 1300 Professional Branding & Planning	1
	16
	32

SOPHOMORE YEAR – FALL

LDR 2250 Emerging Leaders	1
FIN 3210 Financial Management for Majors	3
CHOICE Elective	3
ECN 2220 Principles of Macroeconomics	3
MIS 1500 Business Productivity Software	3
SPC 2050 Speech Communications	3
	16

SOPHOMORE YEAR - SPRING

FIN 2600 Financial Institutions & Simulation	3
CHOICE Elective	3
HIS 2100 Foundations of the Modern World I	3
MTH 2310 Statistics I	3
NSC 2100 Environmental Science	3
	15
	31

JUNIOR YEAR – FALL

FIN 3750 Capital Markets & Analysis	3
LAW 3000 Business Law I	3
3000/4000 MTH Elective	3
3000/4000 CHOICE Elective	3
PSC 2010 Intro to American Government	3
	15

JUNIOR YEAR - SPRING

PHL 3100 Ethics	3
3000/4000 CHOICE Elective	3
ECN 3000 International Trade	3
FIN 3600 Real Estate Finance & Analysis	3
FIN 3760 Asset Management	3
	15
	30

SENIOR YEAR – FALL

FIN 4100 Chartered Financial Analyst Topics <i>or</i> FIN 4150 Certified Financial Planner Topics	3
FIN 4550 Corporate Investment Decisions	3
MGT 4250 Organizational Behavior	3
3000/4000 PSY/SOC/HUM Elective	3
3000/4000 CHOICE Elective	3
	15

SENIOR YEAR - SPRING

FIN 4010 International Finance	3
FIN 4850 Corporate Financing Decisions & Valuation	3
MGT 4800 Strategic Planning	3
ECN 4010 Economics of Public Policy	3
CHOICE Optional	
	12
	27

SEMESTER HOURS TO GRADUATE 120

Bachelor of Business Administration (BBA)

Franchising Management

The Franchising Management program focuses on course work designed to prepare graduates for careers in the multi-trillion dollar industry of franchising. As the only undergraduate program providing a major in franchising management in North America, students build relationships with industry leaders, receive experiential learning opportunities and are prepared to make a difference in the industry. Whether students are interested in becoming franchisees, working for franchisors, or launching their own franchise concept, the program prepares students to go business for themselves, but not by themselves. This program applies to students who began their studies before the 2024-2025 academic year.

The following guide outlines the suggested sequence for a student to complete four (4) years of coursework (120 credits) including general education, common professional core, and major requirements. Students who want to pursue an additional major or minor should consult with an academic advisor to determine the best education plan.

FRESHMAN YEAR - FALL

MGT 2300 Principles of Management	3
ENG 1150 Composition I	3
MTH 1100 Finite Math <i>or</i> MTH 1150 College Algebra	3
PHL 1100 Phil of American Life & Business	3
ETR 1010 Principles of Entrepreneurship	3
LDR 1110 The NU Experience	1
	16

FRESHMAN YEAR - SPRING

MIS 1500 Business Productivity Software	3
ENG 1200 Composition II	3
ECN 2210 Principles of Microeconomics	3
MKT 2080 Principles of Marketing	3
ETR 1200 Successful Business Models	3
LDR 1300 Professional Branding & Planning	1
	16
	32

SOPHOMORE YEAR – FALL

ACC 2410 Fundamentals of Financial Accounting	3
HIS 2100 Foundations of the Modern World I	3
ECN 2220 Principles of Macroeconomics	3
CHOICE Elective	3
ETR 2010 Entrepreneurial Marketing	3
LDR 2250 Emerging Leaders	1
	16

SOPHOMORE YEAR - SPRING

ACC 2415 Fundamentals of Managerial Accounting	3
CHOICE Elective	3
MTH 2310 Statistics I	3
MKT 2150 Selling & Sales Management	3
LAW 3000 Business Law I	3
	15
	31

JUNIOR YEAR – FALL

FIN 3010 Financial Management	3
FRA 3000 Legal and Compliance Issues	3
NSC 2100 Environmental Science	3
PSC 2010 Introduction to American Government	3
LAW 3500 Commercial and Real Estate Law	3
	15

JUNIOR YEAR - SPRING

FRA 4100 International Franchising	3
3000/4000 CHOICE Elective	3
3000/4000 CHOICE Elective	3
PHL 3100 Ethics	3
SPC 2050 Speech Communications	3
	15
	30

SENIOR YEAR – FALL

ETR 3010 New Venture Finance	3
3000/4000 CHOICE Elective	3
3000/4000 CHOICE Elective	3
MGT 4250 Organizational Behavior	3
3000/4000 PSY/SOC/HUM Elective	3
	15

SENIOR YEAR - SPRING

FRA 4200 Current Issues and Trends in FRA	3
ECN 4010 Economics of Public Policy	3
3000/4000 CHOICE Elective	3
MGT 4800 Strategic Planning	3
CHOICE Optional	
	12
	27

SEMESTER HOURS TO GRADUATE 120

Bachelor of Business Administration (BBA)

General Business

The General Business program focuses on producing well-rounded graduates who possess knowledge from a variety of business disciplines. In this program, students have the freedom to shape their learning experiences by choosing electives that enhance their value profile by customizing their education to achieve the social and economic impact they desire.

The following guide outlines the suggested sequence for a student to complete four (4) years of coursework (120 credits) including general education, common professional core, and major requirements. Students who want to pursue an additional major or minor should consult with an academic advisor to determine the best education plan.

FRESHMAN YEAR - FALL

MGT 2300 Principles of Management	3
ENG 1150 Composition I	3
MTH 1100 Finite Math <i>or</i> MTH 1150 College Algebra	3
PHL 1100 Phil of American Life & Business	3
CHOICE Elective	3
LDR 1110 The NU Experience	1
	16

FRESHMAN YEAR - SPRING

MIS 1500 Business Productivity Software	3
ENG 1200 Composition II	3
ECN 2210 Principles of Microeconomics	3
MKT 2080 Principles of Marketing	3
CHOICE Elective	3
LDR 1300 Professional Branding & Planning	1
	16
	32

SOPHOMORE YEAR – FALL

ACC 2410 Fundamentals of Financial Accounting	3
HIS 2100 Foundations of the Modern World I	3
ECN 2220 Principles of Macroeconomics	3
CHOICE Elective	3
CHOICE Elective	3
LDR 2250 Emerging Leaders	1
	16

SOPHOMORE YEAR - SPRING

ACC 2415 Fundamentals of Managerial Accounting	3
CHOICE Elective	3
MTH 2310 Statistics I	3
PSC 2010 Intro. to American Government	3
SPC 2050 Speech Communications	3
	15
	31

JUNIOR YEAR – FALL

FIN 3010 Financial Management	3
NSC 2100 Environmental Science	3
CHOICE Elective	3
CHOICE Elective	3
3000/4000 Business Elective	3
	15

JUNIOR YEAR - SPRING

CHOICE Elective	3
3000/4000 CHOICE Elective	3
3000/4000 Business Elective	3
LAW 3000 Business Law I	3
MGT 3600 Ethical Leadership & Moral Devel.	3
	15
	30

SENIOR YEAR – FALL

3000/4000 Business Elective	3
3000/4000 CHOICE Elective	3
3000/4000 CHOICE Elective	3
MGT 4250 Organizational Behavior	3
3000/4000 PSY/SOC/HUM Elective	3
	15

SENIOR YEAR - SPRING

3000/4000 CHOICE Elective	3
3000/4000 CHOICE Elective	3
ECN 4010 Economics of Public Policy	3
MGT 4800 Strategic Planning	3
CHOICE Optional	
	12
	27

SEMESTER HOURS TO GRADUATE 120

Bachelor of Business Administration (BBA) Health Care Management

The Health Care Management program provides a comprehensive approach to management in the health care industry. The broad areas of study include cultural and organizational behavior, human resources and business management. Students in the program acquire knowledge and skills with a strong focus on critical health care topics including finance, budgeting, accounting, marketing, legal and ethical issues. This program provides strong emphasis on the development of leadership skills necessary to manage effectively in professional health care environments.

The following guide outlines the suggested sequence for a student to complete four (4) years of coursework (120 credits) including general education, common professional core, and major requirements. Students who want to pursue an additional major or minor should consult with an academic advisor to determine the best education plan.

FRESHMAN YEAR - FALL

MGT 2300 Principles of Management	3
HCM 1100 Prin of Health Care Leadership & Mgt.	3
MTH 1100 Finite Math <i>or</i> MTH 1150 College Algebra	3
PHL 1100 Phil of American Life & Business	3
ENG 1150 Composition I	3
LDR 1110 The NU Experience	1
	16

FRESHMAN YEAR - SPRING

ENG 1200 Composition II	3
MIS 1500 Business Productivity Software	3
ECN 2210 Principles of Microeconomics	3
MKT 2080 Principles of Marketing	3
HCM 1150 Comparative Health Care Economics & Finance	3
LDR 1300 Professional Branding & Planning	1
	16
	32

SOPHOMORE YEAR – FALL

ACC 2410 Fundamentals of Financial Accounting	3
HIS 2100 Foundations of the Modern World I	3
CHOICE Elective	3
ECN 2220 Principles of Macroeconomics	3
HCM 2100 Regulations and Policy	3
LDR 2250 Emerging Leaders	1
	16

SOPHOMORE YEAR - SPRING

ACC 2415 Fundamentals of Managerial Accounting	3
CHOICE Elective	3
SPC 2050 Speech Communications	3
NSC 2100 Environmental Science	3
HCM 2500 Workforce in Health Care	3
	15
	31

JUNIOR YEAR – FALL

HCM 3050 Private and Public Payors	3
HCM 3150 Innovation, Data and IT in Health Care	3
FIN 3010 Financial Management	3
LAW 3000 Business Law I	3
MTH 2310 Statistics I	3
	15

JUNIOR YEAR - SPRING

HCM 3200 Ethics and Law in Health Care	3
HCM 3300 Health Care Accounting & Budgeting	3
3000/4000 CHOICE Elective	3
PHL 3100 Ethics	3
PSC 2010 Introduction to American Government	3
	15
	30

SENIOR YEAR – FALL

HCM 3990 Health Care Internship	3
HCM 4100 Quality Management	3
3000/4000 PSY/SOC/HUM Elective	3
MGT 4250 Organizational Behavior	3
CHOICE Optional	
	12

SENIOR YEAR - SPRING

HCM 4200 Health Care Management Capstone	3
ECN 4010 Economics of Public Policy	3
3000/4000 CHOICE Elective	3
3000/4000 CHOICE Elective	3
MGT 4800 Strategic Planning	3
	15
	27

SEMESTER HOURS TO GRADUATE 120

Bachelor of Business Administration (BBA) Hospitality, Tourism and Event Management

The Hospitality, Tourism and Event Management (HOS) program focuses on the largest components of the highly competitive hospitality industry. A degree in Hospitality, Tourism & Event Management combines book and classroom theory with practical, hands-on experiential learning. The program includes a career-related internship.

The following guide outlines the suggested sequence for a student to complete four (4) years of coursework (120 credits) including general education, common professional core, and major requirements. Students who want to pursue an additional major or minor should consult with an academic advisor to determine the best education plan.

FRESHMAN YEAR - FALL

MGT 2300 Principles of Management	3
ENG 1150 Composition I	3
MIS 1500 Business Productivity Software	3
PHL 1100 Phil of American Life & Business	3
HOS 1010 Introduction to Hospitality, Tourism & Event Management	3
LDR 1110 The NU Experience	1
	16

FRESHMAN YEAR - SPRING

MKT 2080 Principles of Marketing	3
ENG 1200 Composition II	3
MTH 1100 Finite Math <i>or</i> MTH 1150 College Algebra	3
ECN 2210 Principles of Microeconomics	3
HOS 1030 Sanitation	3
LDR 1300 Professional Branding & Planning	1
	16
	32

SOPHOMORE YEAR – FALL

ACC 2410 Fundamentals of Financial Accounting	3
HIS 2100 Foundations of the Modern World I	3
CHOICE Elective	3
ECN 2220 Principles of Macroeconomics	3
HOS 2050 Food Services	3
LDR 2250 Emerging Leaders	1
	16

SOPHOMORE YEAR - SPRING

ACC 2415 Fundamentals of Managerial Accounting	3
HOS 2400 Beverage Management	3
HOS 3050 Hospitality Operations Management	3
NSC 2100 Environmental Science	3
PSC 2010 Introduction to American Government	3
	15
	31

JUNIOR YEAR – FALL

FIN 3010 Financial Management	3
LAW 3000 Business Law I	3
MTH 2310 Statistics	3
SPC 2050 Speech Communications	3
HOS 4180 Special Events & Meeting Planning	3
	15

JUNIOR YEAR - SPRING

HOS 3100 Resort and Club Management	3
FIN 3010 Financial Management	3
3000/4000 CHOICE Elective	3
PHL 3100 Ethics	3
CHOICE Optional	
	12
	27
HRM 3990 Internship (Required)	3
	3

SENIOR YEAR – FALL

3000/4000 CHOICE Elective	3
HOS 4050 Cost and Budgeting	3
3000/4000 PSY/SOC/HUM Elective	3
MGT 4250 Organizational Behavior	3
MKT 3400 The Customer Experience	3
	15

SENIOR YEAR - SPRING

HOS 4500 Hospitality Leadership	3
3000/4000 CHOICE Elective	3
ECN 4010 Economics of Public Policy	3
MGT 4800 Strategic Planning	3
CHOICE Optional	
	12
	27

SEMESTER HOURS TO GRADUATE 120

Bachelor of Business Administration (BBA)

Insurance Risk Management

The Insurance Risk Management program focuses on insurance and its application as a career path. Courses include personal and commercial insurance, agency operations, claims and underwriting, proposals, insurance code, and actuarial science. The Insurance Risk Management major prepares students to enter the insurance industry. A career-related internship is highly recommended. This program applies to students who began their studies before the 2026-2027 academic year.

The following guide outlines the suggested sequence for a student to complete four (4) years of coursework (120 credits) including general education, common professional core, and major requirements. Students who want to pursue an additional major or minor should consult with an academic advisor to determine the best education plan.

FRESHMAN YEAR - FALL

MGT 2300 Principles of Management	3
ENG 1150 Composition I	3
MTH 1100 Finite Math <i>or</i> MTH 1150 College Algebra	3
PHL 1100 Phil of American Life & Business	3
INS 1100 Principles of Insurance	3
LDR 1110 The NU Experience	1
	16

FRESHMAN YEAR - SPRING

MKT 2080 Principles of Marketing	3
ENG 1200 Composition II	3
MIS 1500 Business Productivity Software	3
ECN 2210 Principles of Microeconomics	3
INS 1200 Principles of Personal Insurance	3
LDR 1300 Professional Branding & Planning	1
	16
	32

SOPHOMORE YEAR – FALL

ACC 2410 Fundamentals of Financial Accounting	3
HIS 2100 Foundations of the Modern World I	3
ECN 2220 Principles of Macroeconomics	3
CHOICE Elective	3
INS 2100 Principles of Commercial Insurance	3
LDR 2250 Emerging Leaders	1
	16

SOPHOMORE YEAR - SPRING

ACC 2415 Fundamentals of Managerial Accounting	3
CHOICE Elective	3
MKT 2150 Selling and Sales Management	3
INS 2500 Claims and Underwriting	3
SPC 2050 Speech Communications	3
	15
	31

JUNIOR YEAR – FALL

FIN 3210 Financial Management for Majors	3
INS 3000 Agency Operations	3
3000/4000 CHOICE Elective	3
PSC 2010 Introduction to American Government	3
MTH 2310 Statistics I	3
	15

JUNIOR YEAR - SPRING

3000/4000 CHOICE Elective	3
LAW 3000 Business Law I	3
3000/4000 PSY/SOC/HUM Elective	3
PHL 3100 Ethics	3
INS 3400 Commercial Multiple Lines Insurance	3
	15
	30

SENIOR YEAR – FALL

MGT 4250 Organizational Behavior	3
FIN 4550 Corporate Investment Decisions	3
3000/4000 CHOICE Elective	3
NSC 2100 Environmental Science	3
3000/4000 CHOICE Elective	2
INS 3100 State Insurance Code	1
	15

SENIOR YEAR - SPRING

MGT 4800 Strategic Planning	3
3000/4000 CHOICE Elective	3
ECN 4010 Economics of Public Policy	3
INS 4850 Insurance Proposals and Negotiations	3
CHOICE Optional	
	12
	27

SEMESTER HOURS TO GRADUATE 120

Bachelor of Business Administration (BBA)

International Business

International Business is an interdisciplinary program that focuses on the emerging global business environment. International business courses include trade, finance, law, marketing, management, culture, world geography, and comparative economic systems.

The following guide outlines the suggested sequence for a student to complete four (4) years of coursework (120 credits) including general education, common professional core, and major requirements. Students who want to pursue an additional major or minor should consult with an academic advisor to determine the best education plan.

FRESHMAN YEAR – FALL

MGT 2300 Principles of Management	3
ENG 1150 Composition I	3
MIS 1500 Business Productivity Software	3
PHL 1100 Phil of American Life & Business	3
INB 1110 Introduction to International Business	3
LDR 1110 The NU Experience	1
	16

FRESHMAN YEAR - SPRING

MKT 2080 Principles of Marketing	3
ENG 1200 Composition II	3
MTH 1100 Finite Math <i>or</i> MTH 1150 College Algebra	3
ECN 2210 Principles of Microeconomics	3
SPC 2050 Speech Communications	3
LDR 1300 Professional Branding & Planning	1
	16
	32

SOPHOMORE YEAR – FALL

ACC 2410 Fundamentals of Financial Accounting	3
HIS 2100 Foundations of the Modern World I	3
CHOICE Elective	3
ECN 2220 Principles of Macroeconomics	3
INB 3610 World Languages & Cultures I	3
LDR 2250 Emerging Leaders	1
	16

SOPHOMORE YEAR - SPRING

ACC 2415 Fundamentals of Managerial Accounting	3
CHOICE Elective	3
NSC 2100 Environmental Science	3
MTH 2310 Statistics I	3
INB 3620 World Languages & Cultures II	3
	15
	31

JUNIOR YEAR – FALL

FIN 3010 Financial Management	3
LAW 3000 Business Law I	3
3000/4000 CHOICE Elective	3
INB 3630 World Languages & Cultures III	3
ECN 3000 International Trade	3
	15

JUNIOR YEAR - SPRING

PSC 2010 Introduction to American Government	3
ECN 3410 Comparative Economic Systems	3
3000/4000 CHOICE Elective	3
INB 3640 World Languages & Cultures IV	3
MKT 3100 International Marketing	3
	15
	30

SENIOR YEAR – FALL

MGT 4250 Organizational Behavior	3
LAW 4050 International Law	3
MGT 4030 International Management	3
3000/4000 CHOICE Elective	3
PHL 3100 Ethics	3
	15

SENIOR YEAR - SPRING

MGT 4800 Strategic Planning	3
ECN 4010 Economics of Public Policy	3
3000/4000 PSY/SOC/HUM Elective	3
FIN 4010 International Finance	3
CHOICE Optional	
	12
	27

SEMESTER HOURS TO GRADUATE 120

Bachelor of Business Administration (BBA) Leadership

The bachelor's program in Leadership focuses on leadership principles and organizational concepts that will help students effectively identify and provide solutions to complex problems within organizations.

The following guide outlines the suggested sequence for a student to complete four (4) years of coursework (120 credits) including general education, common professional core, and major requirements. Students who want to pursue an additional major or minor should consult with an academic advisor to determine the best education plan.

FRESHMAN YEAR - FALL

LDR 1200 Introduction to Leadership	3
ENG 1150 Composition I	3
MTH 1100 Finite Math <i>or</i> MTH 1150 College Algebra	3
PHL 1100 Phil of American Life & Business	3
MIS 1500 Business Productivity Software	3
LDR 1110 The NU Experience	1
	16

FRESHMAN YEAR - SPRING

ECN 2210 Principles of Microeconomics	3
ENG 1200 Composition II	3
MGT 2300 Principles of Management	3
MKT 2080 Principles of Marketing	3
PSC 2010 Introduction to American Government	3
LDR 1300 Professional Branding & Planning	1
	16
	32

SOPHOMORE YEAR – FALL

ACC 2410 Fundamentals of Financial Accounting	3
HIS 2100 Foundations of the Modern World I	3
CHOICE Elective	3
ECN 2220 Principles of Macroeconomics	3
MGT 2500 Human Resource Management	3
LDR 2250 Emerging Leaders	1
	16

SOPHOMORE YEAR - SPRING

ACC 2415 Fundamentals of Managerial Accounting	3
CHOICE Elective	3
LDR 3200 Leadership Essentials	3
NSC 2100 Environmental Science	3
SPC 2050 Speech Communications	3
	15
	31

JUNIOR YEAR – FALL

CHOICE Elective	3
LAW 3000 Business Law I	3
LDR 3500 Conflict Resolution and Problem Solving	3
LDR 4100 Motivating Teams and Individuals	3
MTH 2310 Statistics I	3
	15

JUNIOR YEAR - SPRING

CHOICE Elective	3
FIN 3010 Financial Management	3
LDR 4200 Innovation and Change Leadership	3
MGT 3600 Ethical Leadership & Moral Dev.	3
SOC 3450 Culture of Leadership	3
	15
	30

SENIOR YEAR – FALL

CHOICE Elective	3
3000/4000 CHOICE Elective	3
3000/4000 PSY/SOC/HUM Elective	3
MGT 4200 Applied Professional Communication	3
MGT 4250 Organizational Behavior	3
	15

SENIOR YEAR - SPRING

LDR 4800 Applied Leadership Capstone	3
ECN 4010 Economics of Public Policy	3
3000/4000 CHOICE Elective	3
MGT 4800 Strategic Planning	3
CHOICE Optional	
	12
	27

SEMESTER HOURS TO GRADUATE 120

Bachelor of Business Administration (BBA)

Management

The bachelor's program in Management focuses on the broad functional disciplines of management and prepares graduates with a diverse background in general management and industry who have developed strong ethics, outcomes, and who are ready to lead.

The following guide outlines the suggested sequence for a student to complete four (4) years of coursework (120 credits) including general education, common professional core, and major requirements. Students who want to pursue an additional major or minor should consult with an academic advisor to determine the best education plan.

FRESHMAN YEAR - FALL

MGT 2300 Principles of Management	3
ENG 1150 Composition I	3
MTH 1100 Finite Math <i>or</i> MTH 1150 College Algebra	3
PHL 1100 Phil of American Life & Business	3
CHOICE Elective	3
LDR 1110 The NU Experience	1
	16

FRESHMAN YEAR - SPRING

MKT 2080 Principles of Marketing	3
ENG 1200 Composition II	3
MIS 1500 Business Productivity Software	3
ECN 2210 Principles of Microeconomics	3
CHOICE Elective	3
LDR 1300 Professional Branding & Planning	1
	16
	32

SOPHOMORE YEAR – FALL

ACC 2410 Fundamentals of Financial Accounting	3
HIS 2100 Foundations of the Modern World I	3
CHOICE Elective	3
ECN 2220 Principles of Macroeconomics	3
MGT 2500 Human Resource Management	3
LDR 2250 Emerging Leaders	1
	16

SOPHOMORE YEAR - SPRING

ACC 2415 Fundamentals of Managerial Accounting	3
CHOICE Elective	3
PSC 2010 Introduction to American Government	3
NSC 2100 Environmental Science	3
SPC 2050 Speech Communications	3
	15
	31

JUNIOR YEAR – FALL

FIN 3010 Financial Management	3
3000/4000 CHOICE Elective	3
MTH 2310 Statistics I	3
3000/4000 PSY/SOC/HUM Elective	3
MGT 3500 Operations Management	3
	15

JUNIOR YEAR - SPRING

3000/4000 CHOICE Elective	3
3000/4000 CHOICE Elective	3
LAW 3000 Business Law I	3
PHL 3100 Ethics	3
MGT 3700 Practice of Management & Leadership	3
	15
	30

SENIOR YEAR – FALL

3000/4000 CHOICE Elective	3
3000/4000 CHOICE Elective	3
3000/4000 CHOICE Elective	3
MGT 4030 International Management	3
MGT 4250 Organizational Behavior	3
	15

SENIOR YEAR - SPRING

MGT 4800 Strategic Planning	3
ECN 4010 Economics of Public Policy	3
3000/4000 CHOICE Elective	3
MGT 4300 Management of Information Technologies	3
CHOICE Optional	
	12
	27

SEMESTER HOURS TO GRADUATE 120

Bachelor of Business Administration (BBA)

Management Information Systems

The Management Information Systems (MIS) program equips students with the ability to successfully identify, design, and implement information systems and technology within the context of an operating business. As such, students will be educated not only in the information systems themselves, but also in best business and management practices. Upon completion of the program, students will understand the role that information systems and technology play within an organization to maximize the efficiency and productivity of each business process.

The following guide outlines the suggested sequence for a student to complete four (4) years of coursework (120 credits) including general education, common professional core, and major requirements. Students who want to pursue an additional major or minor should consult with an academic advisor to determine the best education plan.

FRESHMAN YEAR - FALL

MGT 2300 Principles of Management	3
ENG 1150 Composition I	3
PHL 1100 Phil of American Life & Business	3
MIS 1500 Business Productivity Software	3
MIS 1110 Introduction to Management Information Systems	3
LDR 1110 The NU Experience	1
	16

FRESHMAN YEAR - SPRING

ENG 1200 Composition II	3
ECN 2210 Principles of Microeconomics	3
CYB 2100 Cybersecurity Principles (Recommended)	3
MIS 1300 Information Technology Infrastructure	3
MTH 1100 Finite Math <i>or</i> MTH 1150 College Algebra	3
LDR 1300 Professional Branding & Planning	1
	16
	32

SOPHOMORE YEAR – FALL

ACC 2410 Fundamentals of Financial Acctg.	
HIS 2100 Foundations of the Modern World I	3
CHOICE Elective	3
ECN 2220 Principles of Macroeconomics	3
MIS 2140 Programming I	3
LDR 2250 Emerging Leaders	1
	16

SOPHOMORE YEAR - SPRING

ACC 2415 Fundamentals of Managerial Accounting	3
CHOICE Elective	3
SPC 2050 Speech Communications	3
MKT 2080 Principles of Marketing	3
MIS 2150 Programming II	3
	15
	31

JUNIOR YEAR – FALL

3000/4000 CHOICE Elective	3
LAW 3000 Business Law I	3
NSC 2100 Environmental Science	3
MTH 2310 Statistics I	3
MIS 3250 ERP Business Applications	3
	15

JUNIOR YEAR - SPRING

ACC 3500 Accounting Information Systems <i>or</i> MIS 3200 Database Design & Implementation <i>or</i> CYB 3800 Information Security	3
PSC 2010 Introduction to American Government	3
3000/4000 CHOICE Elective	3
MIS 3300 Project Management	3
MGT 4300 Mgt. of Information Technology	3
	15
	30

SENIOR YEAR – FALL

MGT 4250 Organizational Behavior	3
FIN 3010 Financial Management	3
PHL 3100 Ethics	3
MIS 3400 Systems Analysis & Design	3
3000/4000 CHOICE Elective	3
	15

SENIOR YEAR - SPRING

MGT 4800 Strategic Planning	3
ECN 4010 Economics of Public Policy	3
3000/4000 PSY/SOC/HUM Elective	3
MIS 4500 Technology Capstone Project	3
CHOICE Optional	
	12
	27

SEMESTER HOURS TO GRADUATE 120

Bachelor of Business Administration (BBA)

Marketing

The Marketing program focuses on various aspects of the marketing function, including business-to-business marketing, selling and sales management, social media marketing, marketing research, integrated marketing, and marketing management. Students develop a marketing plan as a capstone marketing project.

The following guide outlines the suggested sequence for a student to complete four (4) years of coursework (120 credits) including general education, common professional core, and major requirements. Students who want to pursue an additional major or minor should consult with an academic advisor to determine the best education plan.

FRESHMAN YEAR - FALL

MKT 2080 Principles of Marketing	3
ENG 1150 Composition I	3
MIS 1500 Business Productivity Software	3
PHL 1100 Phil of American Life & Business	3
MGT 2300 Principles of Management	3
LDR 1110 The NU Experience	1

16

FRESHMAN YEAR - SPRING

MKC 2100 Into to Marketing Communications	3
ENG 1200 Composition II	3
MTH 1100 Finite Math <i>or</i> MTH 1150 College Algebra	3
ECN 2210 Principles of Microeconomics	3
MKT 2150 Selling & Sales Management	3
LDR 1300 Professional Branding & Planning	1

16 32

SOPHOMORE YEAR – FALL

ACC 2410 Fundamentals of Financial Accounting	3
HIS 2100 Foundations of the Modern World I	3
CHOICE Elective	3
ECN 2220 Principles of Macroeconomics	3
MKT 3000 E-Commerce	3
LDR 2250 Emerging Leaders	1

16

SOPHOMORE YEAR - SPRING

ACC 2415 Fundamentals of Managerial Accounting	3
CHOICE Elective	3
PSC 2010 Introduction to American Government	3
NSC 2100 Environmental Science	3
MKT <i>or</i> MKC Elective	3

15 31

JUNIOR YEAR – FALL

MKT 3050 Consumer Behavior	3
MTH 2310 Statistics I	3
3000/4000 CHOICE Elective	3
3000/4000 CHOICE Elective	3
SPC 2050 Speech Communications	3

15

JUNIOR YEAR - SPRING

MKT 3100 International Marketing	3
3000/4000 CHOICE Elective	3
LAW 3000 Business Law I	3
MTH 3340 Statistics II	3
PHL 3100 Ethics	3

15 30

SENIOR YEAR – FALL

MKT 4230 Marketing Research	3
3000/4000 PSY/SOC/HUM Elective	3
3000/4000 CHOICE Elective	3
FIN 3010 Financial Management	3
MGT 4250 Organizational Behavior	3

15

SENIOR YEAR - SPRING

MKT 4240 Marketing Management	3
3000/4000 CHOICE Elective	3
ECN 4010 Economics of Public Policy	3
MGT 4800 Strategic Planning	3
CHOICE Optional	

12 27

SEMESTER HOURS TO GRADUATE

120

Bachelor of Business Administration (BBA)

Marketing Communications

The Marketing Communications curriculum offers specific knowledge of marketing communications techniques and processes as well as advertising (creative or research teams and/or account management) and provides the graduate with the skills necessary to direct, control, and supervise these functions.

The following guide outlines the suggested sequence for a student to complete four (4) years of coursework (120 credits) including general education, common professional core, and major requirements. Students who want to pursue an additional major or minor should consult with an academic advisor to determine the best education plan.

FRESHMAN YEAR - FALL

MGT 2300 Principles of Management	3
MKT 2080 Principles of Marketing	3
MTH 1100 Finite Math <i>or</i> MTH 1150 College Algebra	3
PHL 1100 Phil of American Life & Business	3
ENG 1150 Composition I	3
LDR 1110 The NU Experience	1
	16

FRESHMAN YEAR - SPRING

ENG 1200 Composition II	3
MIS 1500 Business Productivity Software	3
ECN 2210 Principles of Microeconomics	3
MKC 2100 Introduction to Marketing Communications	3
MKC 2110 Media Economics and Technology	3
LDR 1300 Professional Branding & Planning	1
	16
	32

SOPHOMORE YEAR – FALL

ACC 2410 Fundamentals of Financial Accounting	3
HIS 2100 Foundations of the Modern World I	3
CHOICE Elective	3
ECN 2220 Principles of Macroeconomics	3
MKC 2300 Digital Media Planning	3
LDR 2250 Emerging Leaders	1
	16

SOPHOMORE YEAR - SPRING

ACC 2415 Fundamentals of Managerial Accounting	3
CHOICE Elective	3
PSC 2010 Introduction to American Government	3
NSC 2100 Environmental Sciences	3
MKC 2400 Creative Concepts & Strategy	3
	15
	31

JUNIOR YEAR – FALL

MKC 3200 Digital, Social & Mobile Marketing	3
3000/4000 CHOICE Elective	3
MKT 3050 Consumer Behavior	3
MTH 2310 Statistics I	3
SPC 2050 Speech Communications	3
	15

JUNIOR YEAR - SPRING

3000/4000 CHOICE Elective	3
3000/4000 PSY/SOC/HUM Elective	3
LAW 3000 Business Law I	3
PHL 3100 Ethics	3
MTH 3340 Statistics II	3
	15
	30

SENIOR YEAR – FALL

MKC 4500 Current Issues in Global Marketing & Consumer Behavior	3
FIN 3010 Financial Management	3
3000/4000 CHOICE Elective	3
MGT 4250 Organizational Behavior	3
MKT 4230 Marketing Research	3
	15

SENIOR YEAR - SPRING

MKC 4100 Integrated Marketing Communications Campaigns	3
ECN 4010 Economics of Public Policy	3
3000/4000 CHOICE Elective	3
MGT 4800 Strategic Planning	3
CHOICE Optional	
	12
	27

SEMESTER HOURS TO GRADUATE 120

Bachelor of Business Administration (BBA)

Merchandising & Marketing

The Merchandising & Marketing (MMK) program covers the entire retail process, from raw materials to finished products. Students in the program will gain the necessary expertise to thrive in the rapidly evolving industry with a special focus on building and enhancing brands over time. Graduates are prepared for a variety of roles spanning from fashion styling to branding and product management. The program includes a career-related internship.

The following guide outlines the suggested sequence for a student to complete four (4) years of coursework (120 credits) including general education, common professional core, and major requirements. Students who want to pursue an additional major or minor should consult with an academic advisor to determine the best education plan.

FRESHMAN YEAR - FALL

MGT 2300 Principles of Management	3
ENG 1150 Composition I	3
MKT 2080 Principles of Marketing	3
PHL 1100 Phil of American Life & Business	3
MMK 1010 Introduction to Merchandising & Marketing	3
LDR 1110 The NU Experience	1
	16

FRESHMAN YEAR - SPRING

MIS 1500 Business Productivity Software	3
ENG 1200 Composition II	3
MTH 1100 Finite Math <i>or</i> MTH 1150 College Algebra	3
ECN 2210 Principles of Microeconomics	3
MKT 2150 Professional Selling	3
LDR 1300 Professional Branding & Planning	1
	16
	32

SOPHOMORE YEAR – FALL

ACC 2410 Fundamentals of Financial Accounting	3
HIS 2100 Foundations of the Modern World I	3
CHOICE Elective	3
ECN 2220 Principles of Macroeconomics	3
MMK 2010 Visual Merchandising	
LDR 2250 Emerging Leaders	1
	16

SOPHOMORE YEAR - SPRING

ACC 2415 Fundamentals of Managerial Accounting	3
CHOICE Elective	3
SPC 2050 Speech Communications	3
NSC 2100 Environmental Science	3
MKC 2400 Creative Concepts & Strategy	3
	15
	31

JUNIOR YEAR – FALL

FIN 3210 Financial Management	3
MTH 2310 Statistics I	3
CHOICE Elective	3
PSC 2010 Intro to American Government	3
MGT 3400 Sustainable Enterprise Strategies	3
	15

JUNIOR YEAR - SPRING

MKT 3133 Retail Management	3
LAW 3000 Business Law I	3
3000/4000 CHOICE Elective	3
PHL 3100 Ethics	3
CHOICE Optional	
	12
	27
MMK 3990 Internship (Required)	3
	3

SENIOR YEAR – FALL

MMK 4030 Merchandising Buying	3
3000/4000 CHOICE Elective	3
3000/4000 CHOICE Elective	3
MGT 4250 Organizational Behavior	3
3000/4000 PSY/SOC/HUM Elective	3
	15

SENIOR YEAR - SPRING

MGT 4800 Strategic Planning	3
3000/4000 CHOICE Elective	3
ECN 4010 Economics of Public Policy	3
MMK 4120 Theories & Practice of Merchandising	3
CHOICE Optional	
	12
	27

SEMESTER HOURS TO GRADUATE 120

Bachelor of Business Administration (BBA)

Operations and Supply Chain Management

Operations and Supply Chain Management (OPS) is a key element in the improvement of productivity in business around the globe. This program emphasizes the most widely used elements of Operations and Supply Chain Management in business today. They are supply chain management, lean six sigma, project management, business process management, procurement and supplier relationship management. In the global economy, there is a growing demand for graduates who have the analytical skills and business background to make business processes more efficient and effective.

The following guide outlines the suggested sequence for a student to complete four (4) years of coursework (120 credits) including general education, common professional core, and major requirements. Students who want to pursue an additional major or minor should consult with an academic advisor to determine the best education plan.

FRESHMAN YEAR - FALL

MGT 2300 Principles of Management	3
PHL 1100 Phil of American Life & Business	3
MIS 1500 Business Productivity Software	3
MTH 1100 Finite Math <i>or</i> MTH 1150 College Algebra	3
OPS 1100 Introduction to Operations Management	3
LDR 1110 The NU Experience	1
	16

FRESHMAN YEAR - SPRING

MKT 2080 Principles of Marketing	3
ECN 2210 Principles of Microeconomics	3
MTH 2310 Statistics I	3
OPS 1200 Business Process Management	3
ENG 1150 Composition I	3
LDR 1300 Professional Branding & Planning	1
	16
	32

SOPHOMORE YEAR – FALL

ACC 2410 Fundamentals of Financial Accounting	3
ECN 2220 Principles of Macroeconomics	3
ENG 1200 Composition II	3
MTH 3340 Statistics II	3
MIS 3250 ERP Business Applications	3
LDR 2250 Emerging Leaders	1
	16

SOPHOMORE YEAR - SPRING

ACC 2415 Fundamentals of Managerial Accounting	3
HIS 2100 Foundations of the Modern World I	3
SPC 2050 Speech Communications	3
CHOICE Elective	3
OPS 2350 Statistics for Quality Engineering	3
	15
	31

JUNIOR YEAR – FALL

OPS 3500 Purchasing	3
3000/4000 CHOICE Elective	3
MTH 3400 Introduction to Data Science	3
NSC 2100 Environmental Sciences	3
PSC 2010 Introduction to American Government	3
	15

JUNIOR YEAR - SPRING

OPS 3600 Supply Chain Management	3
3000/4000 PSY/SOC/HUM Elective	3
LAW 3000 Business Law I	3
MIS 3300 Project Management	3
PHL 3100 Ethics	3
	15
	30

SENIOR YEAR – FALL

OPS 4100 Statistics for Continuous Improvement	3
OPS 4200 Lean Six Sigma	3
3000/4000 CHOICE Elective	3
FIN 3010 Financial Management	3
MGT 4250 Organizational Behavior	3
	15

SENIOR YEAR - SPRING

OPS 4500 Operations & Supply Chain Management Capstone	3
ECN 4010 Economics of Public Policy	3
3000/4000 CHOICE Elective	3
MGT 4800 Strategic Planning	3
CHOICE Optional	
	12
	27

SEMESTER HOURS TO GRADUATE 120

Bachelor of Science (BS) Professional and Technical Communication

The Professional and Technical Communication program prepares graduates to fill in-demand positions throughout industry. There is a growing demand in the workplace for technical communicators and writers and skilled communications professionals who are employed in every sector across a diverse range of positions. This program will also allow students to specialize in a business-focused area.

The following guide outlines the suggested sequence for a student to complete four (4) years of coursework (120 credits) including general education, common professional core, and major requirements. Students who want to pursue an additional major or minor should consult with an academic advisor to determine the best education plan. A minor is recommended for this program.*

FRESHMAN YEAR - FALL

ENG 1100 Intro to Prof & Technical Comm.	3
ENG 1150 Composition I	3
PHIL 1100 Phil of American Life & Business	3
MGT 2300 Principles of Management	3
MIS 1500 Business Productivity Software	3
LDR 1110 The NU Experience	1

16

FRESHMAN YEAR - SPRING

ENG 2000 Grammar & Usage in Prof. Comm.	3
LDR 1300 Professional Branding & Planning	1
ECN 2210 Principles of Microeconomics	3
ENG 1200 Composition II	3
MTH 1100 Finite Math or MTH 1150 College Algebra	3
Minor Requirement Course*	3

16

32

SOPHOMORE YEAR – FALL

ACC 2410 Fundamentals of Financial Accounting	3
ECN 2220 Principles of Macroeconomics	3
ENG 2500 Instructional Writing & Usability	3
NSC Elective (<i>Environmental Science Rec.</i>)	3
SPC 2050 Speech Communications	3
LDR 2250 Emerging Leaders	1

16

SOPHOMORE YEAR - SPRING

ACC 2415 Fundamentals of Managerial Accounting	3
ENG 2900 Technical Writing for STEM Fields	3
HIS Elective (<i>Western Civilization Rec.</i>)	3
Minor Requirement Course*	3
MKT 2080 Principles of Marketing	3

15

31

JUNIOR YEAR – FALL

ENG 3000 Publication & Information Mgt	3
ENG 3500 Information & Document Design	3
MGT 3200 Management Communications	3
Minor Requirement Course*	3
MTH 2310 Statistics	3

15

JUNIOR YEAR - SPRING

3000-4000 Level Minor Requirement Course*	3
ENG 3200 Business Writing & Applied Comm.	3
ENG 4000 Storytelling in Multimedia Comm.	3
LAW 3000 Business Law I	3
PHL 3100 Ethics	3

15

30

SENIOR YEAR – FALL

ENG 4100 Advanced Prof & Technical Comm.	3
FIN 3010 Financial Management	3
3000-4000 Level Minor Requirement Course*	3
3000-4000 Level Minor Requirement Course*	3
MGT 4250 Organizational Behavior	3

15

SENIOR YEAR - SPRING

ECN 4010 Economics of Public Policy	3
ENG 4010 Comm & Interpersonal Relations	3
ENG 4200 Prof & Technical Comm. Capstone	3
MGT 4800 Strategic Planning	3
CHOICE optional	

12

27

SEMESTER HOURS TO GRADUATE

120

Bachelor of Business Administration (BBA)

Sales Management and Professional Selling

The Sales Management and Professional Selling program prepares students to become valued corporate citizens by building long-term, mutually beneficial relationships with customers while becoming top-line revenue generators for their companies. Students will gain sales aptitude, build relationships, and meet customer expectations.

The following guide outlines the suggested sequence for a student to complete four (4) years of coursework (120 credits) including general education, common professional core, and major requirements. Students who want to pursue an additional major or minor should consult with an academic advisor to determine the best education plan.

FRESHMAN YEAR - FALL

MKT 1000 Introduction to Sales	3
ENG 1150 Composition I	3
MKT 2080 Principles of Marketing	3
PHL 1100 Phil of American Life & Business	3
MGT 2300 Principles of Management	3
LDR 1110 The NU Experience	1

16

FRESHMAN YEAR - SPRING

MIS 1500 Business Productivity Software	3
ENG 1200 Composition II	3
MTH 1100 Finite Math <i>or</i> MTH 1150 College Algebra	3
ECN 2210 Principles of Microeconomics	3
MKT 2150 Selling & Sales Management	3
LDR 1300 Professional Branding & Planning	1

16

32

SOPHOMORE YEAR – FALL

ACC 2410 Fundamentals of Financial Accounting	3
HIS 2100 Foundations of the Modern World I	3
CHOICE Elective	3
ECN 2220 Principles of Macroeconomics	3
MKT 2220 Sales & Technology	3
LDR 2250 Emerging Leaders	1

16

SOPHOMORE YEAR - SPRING

ACC 2415 Fundamentals of Managerial Accounting	3
CHOICE Elective	3
PSC 2010 Introduction to American Government	3
NSC 2100 Environmental Science	3
MKT 2400 Public Relations	3

15

31

JUNIOR YEAR – FALL

MKT 3133 Retail Management	3
MTH 2310 Statistics I	3
CHOICE Elective	3
3000/4000 CHOICE Elective	3
SPC 2050 Speech Communications	3

15

JUNIOR YEAR - SPRING

MKT 3250 Advanced Selling & Sales Management	3
3000/4000 CHOICE Elective	3
3000/4000 CHOICE Elective	3
LAW 3000 Business Law I	3
PHL 3100 Ethics	3

15

30

SENIOR YEAR – FALL

MKT 4350 Sales Negotiations	3
3000/4000 PSY/SOC/HUM Elective	3
3000/4000 CHOICE Elective	3
FIN 3010 Financial Management	3
MGT 4250 Organizational Behavior	3

15

SENIOR YEAR - SPRING

MKT 4600 Sales Operations Excellence	3
3000/4000 CHOICE Elective	3
ECN 4010 Economics of Public Policy	3
MGT 4800 Strategic Planning	3
CHOICE Optional	

12

27

SEMESTER HOURS TO GRADUATE

120

Bachelor of Business Administration (BBA)

Sport Management

The Sport Management program focuses on the unique sport industry. Sport Management courses include event management, facility management, public relations, sales, sport economics, and legal aspects of sports. The program provides students with sophisticated analytical, critical thinking, and problem solving skills that sport industry employers are looking for. The program includes a career-related internship.

The following guide outlines the suggested sequence for a student to complete four (4) years of coursework (120 credits) including general education, common professional core, and major requirements. Students who want to pursue an additional major or minor should consult with an academic advisor to determine the best education plan.

FRESHMAN YEAR - FALL

MGT 2300 Principles of Management	3
ENG 1150 Composition I	3
MTH 1100 Finite Math <i>or</i> MTH 1150 College Algebra	3
PHL 1100 Phil of American Life & Business	3
SPM 1010 Introduction to Sport Management	3
LDR 1110 The NU Experience	1
	16

FRESHMAN YEAR - SPRING

MKT 2080 Principles of Marketing	3
ENG 1200 Composition II	3
MIS 1500 Business Productivity Software	3
ECN 2210 Principles of Microeconomics	3
SPM 1040 Collegiate Athletic Administration	3
LDR 1300 Professional Branding & Planning	1
	16
	32

SOPHOMORE YEAR – FALL

ACC 2410 Fundamentals of Financial Accounting	3
HIS 2100 Foundations of the Modern World I	3
CHOICE Elective	3
ECN 2220 Principles of Macroeconomics	3
SPM 3010 Sport Marketing	3
LDR 2250 Emerging Leaders	1
	16

SOPHOMORE YEAR - SPRING

ACC 2415 Fundamentals of Managerial Accounting	3
CHOICE Elective	3
PSC 2010 Introduction to American Government	3
NSC 2100 Environmental Sciences	3
SPM Elective	3
	15
	31

JUNIOR YEAR – FALL

MTH 2310 Statistics I	3
3000/4000 CHOICE Elective	3
SPM 3520 Sales & Revenue Generation	3
SPC 2050 Speech Communications	3
SPM 2550 Event & Production Mgt	3
	15

JUNIOR YEAR - SPRING

SPM 4020 Sport Economics	3
3000/4000 CHOICE Elective	3
LAW 3000 Business Law I	3
MGT 4250 Organizational Behavior	3
CHOICE Optional	
	12
SPM 3990 Internship (Required)	3
	27
	3

SENIOR YEAR – FALL

SPM Elective	3
SPM 4040 Sport Law	3
FIN 3010 Financial Management	3
PHL 3100 Ethics	3
3000/4000 PSY/SOC/HUM Elective	3
	15

SENIOR YEAR - SPRING

SPM 4300 Seminar in Sport Management	3
ECN 4010 Economics of Public Policy	3
3000/4000 CHOICE Elective	3
MGT 4800 Strategic Planning	3
CHOICE Optional	
	12
	27

SEMESTER HOURS TO GRADUATE 120

Bachelor of Business Administration (BBA)

Strategic Management

Students in the strategic management program will build quantitative and qualitative decision making skills required by managers and leaders. A wide range of electives in current management areas allow students to select classes that suit their specific interests and strengths. The program includes a career-related internship. This program applies to students who began their studies before the 2023-2024 academic year.

The following guide outlines the suggested sequence for a student to complete four (4) years of coursework (120 credits) including general education, common professional core, and major requirements. Students who want to pursue an additional major or minor should consult with an academic advisor to determine the best education plan.

FRESHMAN YEAR - FALL

MGT 2300 Principles of Management	3
ENG 1150 Composition I	3
MTH 1100 Finite Math <i>or</i> MTH 1150 College Algebra	3
PHL 1100 Phil of American Life & Business	3
OPS 1100 Intro to Operations Management	3
LDR 1110 The NU Experience	1
	16

FRESHMAN YEAR - SPRING

MKT 2080 Principles of Marketing	3
ENG 1200 Composition II	3
MIS 1500 Business Productivity Software	3
ECN 2210 Principles of Microeconomics	3
OPS 1200 Business Process Management	3
LDR 1300 Professional Branding & Planning	1
	16
	32

SOPHOMORE YEAR – FALL

ACC 2410 Fundamentals of Financial Accounting	3
HIS 2100 Foundations of the Modern World I	3
CHOICE Elective	3
ECN 2220 Principles of Macroeconomics	3
MIS 3250 ERP Business Applications	3
LDR 2250 Emerging Leaders	1
	16

SOPHOMORE YEAR - SPRING

ACC 2415 Fundamentals of Managerial Accounting	3
CHOICE Elective	3
NSC 2100 Environmental Sciences	3
PSC 2010 Introduction to American Government	3
SPC 2050 Speech Communications	3
	15
	31

JUNIOR YEAR – FALL

FIN 3010 Financial Management	3
LAW 3000 Business Law I	3
MTH 2310 Statistics I	3
3000/4000 CHOICE Elective	3
MGT 3300 Project and Information Mgt	3
	15

JUNIOR YEAR - SPRING

ETR 3300 Business Plan Development	3
3000/4000 Strategic Management Elective	3
3000/4000 CHOICE Elective	3
3000/4000 PSY/SOC/HUM Elective	3
CHOICE Optional	
	12
MGT 3990 Internship (Required)	3
	27
	3

SENIOR YEAR – FALL

3000/4000 Strategic Management Elective	3
3000/4000 CHOICE Elective	3
MGT 4030 International Management	3
MGT 4250 Organizational Behavior	3
PHL 3100 Ethics	3
	15

SENIOR YEAR - SPRING

3000/4000 Strategic Management Elective	3
ECN 4010 Economics of Public Policy	3
3000/4000 CHOICE Elective	3
MGT 4800 Strategic Planning	3
CHOICE Optional	
	12
	27

SEMESTER HOURS TO GRADUATE 120

Bachelor of Business Administration (BBA)

Four Year BBA/MBA Track

The Northwood University Four Year BBA/MBA Track an intensive program of study that allows high-achieving and focused students to complete their BBA in three years and their MBA in one additional year. The track allows for and encourages students to participate in co-curricular programming such as varsity athletics, Greek life, and academic, service, and social organizations. Students must apply to be accepted into this accelerated program. Current admission criteria for the track are on the Northwood University website. Multiple majors are available and can be viewed at: <https://www.northwood.edu/academics/bachelor-mba>.

The Management curriculum guide is an illustration and students wishing to pursue this option must apply in advance for acceptance. Information on this process is available from admissions representatives or academic advisors.

MANAGEMENT CURRICULUM:

FIRST YEAR FALL

MGT 2300 Principles of Management	3
MTH 1150 College Algebra <i>or</i> MTH 1100 Finite Math <i>or</i> MTH 3100 Calculus I	3
ENG 1150 Composition I	3
PHL 1100 Phil of American Life & Business	3
MIS 1500 Business Productivity Software	3
MKT 2080 Principles of Marketing	3
LDR 1110 The NU Experience	1
	19

FIRST YEAR SPRING

ECN 2210 Principles of Microeconomics	3
ENG 1200 Composition II	3
MTH 2310 Statistics I	3
SPC 2050 Speech Communications	3
NSC 2100 Environmental Science	3
CHOICE Elective	3
LDR 1300 Professional Branding & Planning	1
	19

SECOND YEAR FALL

ACC 2410 Fundamentals of Financial Accounting	3
HIS 2100 Foundations of the Modern World I	3
ECN 2220 Principles of Macroeconomics	3
CHOICE Elective	3
CHOICE Elective	3
MGT 2500 Human Resource Management	3
LDR 2250 Emerging Leaders	1
	19

SECOND YEAR SPRING

ACC 2415 Fundamentals of Managerial Accounting	3
CHOICE Elective	3
MGT 3500 Operations Management	3
3000/4000 CHOICE Elective	3
PSC 2010 Introduction to American Government	3
LAW 3000 Business Law I	3
	18

THIRD YEAR FALL

FIN 3010 Financial Management	3
3000/4000 CHOICE Elective	3
3000/4000 CHOICE Elective	3
MGT 4250 Organizational Behavior	3
MGT 3700 Practice of Mgt. & Leadership	3
PHL 3100 Ethics	3
	18

THIRD YEAR SPRING

3000/4000 CHOICE Elective	3
3000/4000 CHOICE Elective	3
ECN 4010 Economics of Public Policy	3
MGT 4030 International Management	3
MGT 4300 Management of Information Tech.	3
MGT 4800 Strategic Planning	3
	18

SUMMER or COMPRESSED COURSES

3000/4000 CHOICE Elective	3
ECN 4010 Economics of Public Policy	3
MGT 3990 Internship	3
	9

Notes:

•A maximum of 19 credits are to be taken in semester.

•Any courses taken in a compressed or summer session are in addition to the base tuition that the student pays for a semester.

If a student's major does not require an internship, the student must complete an internship for academic credit before starting the MBA program.

Associate of Arts Degrees (AA)

The following outlines the required coursework for an associate degree (60 credits) including leadership and the NU Idea, general education, common professional core, major and elective requirements. The Northwood University residency requirement for an associate degree requires a minimum of 15 earned credits at Northwood University; six (6) of the 15 semester hours must be taken at Northwood University for residency and must be in the student's major discipline.

Required:

LEADERSHIP FOUNDATION (3 semester hours)

LDR 1110 The NU Experience	1
LDR 1300 Professional Branding & Planning	1
LDR 2250 Emerging Leaders	1

NU IDEA COURE (3 semester hours)

PHL 1100 Philosophy of American Life & Business	3
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GENERAL EDUCATION CORE (18 semester hours)

ENG 1150 Composition I	3
ENG 1200 Composition II	3
MTH 1150 College Algebra OR MTH 1100 Finite Math	3
MTH 2310 Statistics	3
SPC 2050 Speech	3
NSC 2100 Environmental Science or Natural Science	3

COMMON PROFESSIONAL CORE (24 semester hours)

ACC 2410 Fundamentals of Financial Accounting	3
ACC 2415 Fundamentals of Managerial Accounting	3
ECN 2210 Principles of Microeconomics	3
ECN 2220 Principles of Macroeconomics	3
LAW 3000 Business Law I	3
MGT 2300 Principles of Management	3
MIS 1500 Business Productivity Software	3
MKT 2080 Principles of Marketing	3

Choose a major:

MAJOR COURSES - ACCOUNTING

(6 semester hours)

ACC 3110 Intermediate Accounting I	3
ACC 3115 Intermediate Accounting II	3

MAJOR COURSES – AFTERMARKET MANAGEMENT

(12 semester hours)

AM 1200 History and Culture of the Auto Industry	3
AMM 1120 Aftermarket Manufacturing	3
AMM 2050 Automotive Retail/Wholesale Management	3
AMM 2100 Heavy Duty Parts & Service Marketing	3

MAJOR COURSES – AUTOMOTIVE MARKETING & MANAGEMENT

(12 semester hours)

AM 1200 History and Culture of the Auto Industry	3
AM 2640 Dealership Variable Operations	3
AM 2650 Dealership Fixed Operations	3
AM Elective	3

MAJOR COURSES – AUTOMOTIVE & MOBILITY STUDIES

(12 semester hours)

AM 1200 History and Culture of the Auto Industry	3
AM 2000 Anatomy of Motor Vehicles	3
AM 2540 Automotive Digital Marketing	3
AM 3800 Fundamentals of Motorsports	3

MAJOR COURSES – CYBERSECURITY MANAGEMENT

(12 semester hours)

MIS 1110 Introduction to Management Information Systems	3
MIS 1300 Information Technology Infrastructure	3
MIS 2140 Programming I	3
CYB 2100 Cybersecurity Principles	3

MAJOR COURSES – ECONOMICS

(9 semester hours)

ECN 3010 Intermediate Microeconomics	3
ECN 3020 Intermediate Macroeconomics	3
MTH 3100 Calculus I	3

MAJOR COURSES – ENTREPRENEURSHIP

(12 semester hours)

ETR 1010 Introduction to Entrepreneurship	3
ETR 1200 Successful Business Models	3
ETR 2010 Entrepreneurial Marketing	3
ETR 2200 Entrepreneurial Distribution Strategies	3

MAJOR COURSES – FINANCE

(9 semester hours)

FIN 1010 Introduction to Finance	3
FIN 2600 Financial Institutions & Simulation	3
FIN 3210 Financial Management for Majors	3

MAJOR COURSES – HEALTH CARE MANAGEMENT

(12 semester hours)

HCM 1010 Principles of Health Care Leadership & Mgt.	3
HCM 1150 Comparative Health Care Economics & Finance	3
HCM 2100 Regulations and Policy	3
HCM 2500 Workforce in Health Care	3

MAJOR COURSES – HOSPITALITY, TOURISM & EVENT MANAGEMENT

(12 semester hours)

HOS 1010 Introduction to Hospitality, Tourism & Event Mgt.	3
HOS 1030 Sanitation	3
HOS 2050 Food Services	3
HOS 2400 Beverage Management	3

MAJOR COURSES – INTERNATIONAL BUSINESS

(9 semester hours)

INB 1100 Introduction to International Business	3
INB 3610 World Languages & Cultures I	3
INB 3620 World Languages & Cultures II	3

MAJOR COURSES – LEADERSHIP

(9 semester hours)

LDR 1200 Introduction to Leadership	3
MGT 2500 Human Resource Management	3
LDR 3200 Leadership Essentials	3

MAJOR COURSES - MANAGEMENT

(3 semester hours)

MGT 2500 Human Resource Management	3
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MAJOR COURSES – MANAGEMENT INFORMATION SYSTEMS

(12 semester hours)

MIS 1110 Introduction to Management Information Systems	3
MIS 1300 Information Technology Infrastructure	3
MIS 2140 Programming I	3
MIS 2150 Programming II	3

MAJOR COURSES – MARKETING

(12 semester hours)

MKC 2100 Introduction to Marketing Communications	3
MKT 2150 Professional Selling	3
MKT 3000 E-Commerce	3
MKT or MKC Elective	3

MAJOR COURSES – MARKETING COMMUNICATIONS

(12 semester hours)

MKC 2100 Introduction to Marketing Communications	3
MKC 2110 Media Economics and Technology	3
MKC 2300 Digital Media Planning	3
MKC 2400 Creative Concepts & Strategy	3

MAJOR COURSES – MERCHANDISING & MARKETING

(12 semester hours)

MMK 1010 Introduction to Merchandising & Marketing	3
MKT 2150 Professional Selling	3
MMK 2010 Visual Merchandising	3
MKC 2400 Creative Concepts & Strategy	3

MAJOR COURSES – OPERATIONS & SUPPLY CHAIN MANAGEMENT

(12 semester hours)

MTH 3340 Statistics II	3
OPS 1100 Introduction to Operations Management	3
OPS 1200 Business Process Management	3
OPS 2350 Statistics for Quality Engineering	3

MAJOR COURSES – SALES MANAGEMENT & PROFESSIONAL SELLING

(12 semester hours)

MKT 1000 Introduction to Sales	3
MKT 2150 Professional Selling	3
MKT 2200 Sales & Technology	3
MKT 2400 Public Relations	3

MAJOR COURSES – SPORT MANAGEMENT

(12 semester hours)

SPM 1010 Introduction to Sport Management	3
SPM 1040 Collegiate Athletic Administration	3
SPM 3010 Sport Marketing	3
SPM Elective	3

CHOICE ELECTIVES (0-9 semester hours)**Varies depending on chosen major**

Early Middle College (Five-Year Program of Study) Associate of Arts (Management)

Early Middle College (EMC) is a five-year program of study approved by the Michigan Department of Education. EMC is designed to offer high school students the opportunity to earn their high school diploma and an associate degree at the same time. These credits can then be used toward a bachelor's degree from a Michigan university.

Approved school districts allow high school students to earn college credit by completing coursework at their home high school, career or technical education program, on the Northwood University campus, and through online learning environments. Students can start this program as early as the 9th grade.

9 th Grade Semester 1	9 th Grade Semester 2	10 th Grade Semester 1	10 th Grade Semester 2	11 th Grade Semester 1	11 th Grade Semester 2
English	English	English	English	ENG 1150	ENG 1200
Math	Math	Math	Math	Math	Math
Science	Science	Science	Science	Science	Science
Social Studies	Social Studies	Social Studies	Social Studies	Social Studies	Social Studies
World Language	World Language	World Language	World Language	MGT 2300	MIS 1500
PE	Health	VPAA or Elective	VPAA or Elective	CTE Elective	CTE Elective

12 th Grade Semester 1	12 th Grade Semester 2	Fifth Year Semester 1	Fifth Year Semester 2
English	English	ECN 2210	ECN 2220
Math	Math	ACC 2410	ACC 2415
LDR 1110	LDR 1300	MTH 1100 or 1150	LAW 3000
MGT 2500	NSC 2100	PHL 1100	MTH 2310
PSY 3000	SOC 3000	LDR 2250	Elective
SPC 2050	MKT 2080		

College courses are in bold

UNDERGRADUATE COURSE DESCRIPTIONS

This section lists current descriptions for all undergraduate courses; the descriptions appear in alphabetical order according to their course letter designations. These descriptions include any prerequisites (requirements students must satisfy before registering for the course), co-requisites (requirements students must satisfy while taking the course), and the number of credit hours for each course.

Students should be aware that the courses listed here are subject to change. Many courses are regularly offered in the fall, while others are offered in the spring or summer. However, semester enrollment, course demand, changes in faculty, and other factors will sometimes affect the offering of courses. In addition, new courses may have been added and changes in existing courses may have occurred since the publication of this catalog. Not all courses are offered at every location. The curriculum guides for the various academic programs detail the courses offered by semester at each location.

ACCOUNTING (ACC)

ACC 2410 FUNDAMENTALS OF FINANCIAL ACCOUNTING (3 credits)

Theory and practice of measuring and interpreting financial data for business units: basic concepts, principles, and procedures. Financial statement preparation and analysis.

ACC 2415 FUNDAMENTALS OF MANAGERIAL ACCOUNTING (3 credits)

Introduction to cost behavior, budgeting, responsibility accounting, cost control techniques, and product costing. Use of budgets and methods of measuring performance.

Prerequisite: ACC 2410

ACC 3110 INTERMEDIATE ACCOUNTING I (3 credits)

The first of two intermediate accounting courses that describes accounting theory and principles for defining, measuring, and reporting financial information with an emphasis on assets. Provides an opportunity to understand the challenges and limitations of accounting standards in order to critically evaluate and understand financial accounting. This course requires the use of spreadsheets for problem solving and analysis.

Prerequisite: ACC 2415

ACC 3115 INTERMEDIATE ACCOUNTING II (3 credits)

The second of two intermediate accounting principles courses that describes accounting theory and principles for defining, measuring, and reporting financial information with an emphasis on liabilities and equity. Additionally, accounting for investments, leases, debt, and earnings per share will be considered. Provides an opportunity to understand the challenges and limitations of accounting standards in order to critically evaluate and understand financial accounting. This course requires the use of spreadsheets for problem solving and analysis.

Prerequisite: ACC 3110

ACC 3120 MANAGERIAL/COST ACCOUNTING (3 credits)

The managerial use of accounting data to make business decisions, particularly in the areas of product cost, resource allocation, performance evaluation, and on the accounting systems managers use to assist them in their decisions. Concepts relating to manufacturing and service entities will be covered.

Prerequisite: ACC 2415

ACC 3400 FEDERAL TAXATION (3 credits)

Introduces a broad range of tax concepts and types of taxpayers; emphasizes the role of taxation in the business decision-making process; provides opportunities to conduct basic tax research and tax planning; and requires preparation of basic tax returns. Coverage includes professional standards and ethics; the interrelationship and differences between financial accounting and tax accounting; taxation of individuals, corporations, and partnerships.

Prerequisite: ACC 2415

ACC 3500 ACCOUNTING INFORMATION SYSTEMS (3 credits)

A study of accounting information systems (AIS) tracing the capture of accounting data, processing of that data into information, and reporting that information in various business environments. Areas of study include an introduction and discussion of the AIS role in management decision making; internal controls for public and private enterprises, including computer and technology controls; analysis of business processes and how they are integrated; and systems studies, including the analysis, design, development, implementation, and operation of AIS.

Prerequisite: ACC 2415

ACC 3510 QUICKBOOKS ACCOUNTING (3 credits)

This course covers small business accounting using QuickBooks software. Accounting data is analyzed to determine the appropriate transactions to record. Topics include creating a chart of accounts, recording customer and vendor transactions, processing payroll, and creating financial reports. Students will learn how to analyze a business to determine how to set up a new company in QuickBooks. Advanced QuickBooks topics such as budgeting and using the QuickBooks audit trail are addressed. Students will demonstrate the ability to analyze financial reports and effectively communicate the information. A course fee will apply, which will cover the cost of a QuickBooks Certified User testing voucher.

Prerequisite: ACC 3500

ACC 3800 TAXATION OF INDIVIDUALS (3 credits)

An in-depth study of individual taxation examining the tax rate structure and applicable federal tax laws, as well as determining income, deductions, and tax credits for a variety of different scenarios.

Prerequisite: ACC 2415

ACC 3850 SPECIAL TOPICS (1-3 credits)

Various topics in accounting. These may be one-time or occasional course offerings.

Prerequisite: Dependent on specific course content

ACC 3990 INTERNSHIP (3 credits)

The internship (a minimum of 150 hours) is designed to provide the student with supervised on-the-job experience. A contracted and supervised work program is arranged between the student, employer, and the university to meet program objectives.

Prerequisite: Department chair approval

ACC 4010 AUDITING (3 credits)

Fundamental procedures, principles, and philosophy of independent and internal auditing. Professional ethics, audit reports, audit work papers, internal controls, evidence, proper disclosure, statistical sampling and testing, and general audit procedures are emphasized. Other assurance and attestation services will be introduced, and the accountant's professional obligations for all attestation services will be discussed in view of the accountant's liability to clients and third parties.

Prerequisite: ACC 3115 and ACC 3500

ACC 4040 GOVERNMENTAL AND NON-PROFIT ACCOUNTING (3 credits)

This course is a comprehensive review of the accounting principles, reporting (including tax requirements), and procedures for governmental units and not-for-profit entities. Topics covered include the study of the accounting cycle, budgeting, fund accounting, accounting for state and local governments, accounting for colleges and universities, hospital units, voluntary health and welfare organizations, and other not-for-profit entities. The Governmental Accounting Standards Board objectives of accounting and financial reporting for governmental entities and not-for-profit entities will be examined.

Prerequisite: ACC 3115

ACC 4050 FORENSIC ACCOUNTING (3 credits)

This course provides a detailed look into the financial investigative process and examines tools, techniques, and procedures used to detect, investigate, and deter fraud. Forensic accounting brings together elements of accounting, psychology, sociology, ethics, criminology, law, information technology, and data analysis to investigate allegations of financial abuse. In addition, this course emphasizes the use of accounting information systems, information technologies, and data analytical techniques to detect fraud. The role that forensic accountants play in criminal investigations and legal proceedings will also be examined. This course will help prepare students for the Certified Fraud Examiner (CFE) exam.

Prerequisites: ACC 3115, ACC 3120 and ACC 4010 concurrently

ACC 4060 Fraud Examination (3 credits)

Defines fraud and examines the nature of those who commit fraud, how it is prevented, detected and investigated, the different types of fraud and their impact, and methods of resolution, legal and otherwise.

Prerequisite: ACC 3500

ACC 4070 FEDERAL TAX RESEARCH (3 credits)

Students complete a series of case studies and exercises requiring familiarization with the most important elements of Federal Tax Law and utilize the Internal Revenue Code and other resources, such as online professional research sites. Students will gain experience in locating, understanding, and interpreting source material and in communicating the results of their research.

Prerequisite: ACC 3400 or ACC 3800

ACC 4080 ACCOUNTING ETHICS (3 credits)

Develops students' understanding of the accountant as a financial watchdog for the investing public. This is done through philosophical rigor and analysis of case studies. Students will explore the accounting profession's ethical responsibilities, the accountant's role in corporate governance, and corporate codes of conduct. Recent examples of unethical corporate behavior are examined and students offer prescriptions for preventing similar incidents. The course deliberately emphasizes the importance of personal integrity for enabling professional ethical conduct.

Prerequisite: ACC 3115

ACC 4100 FINANCIAL STATEMENT ANALYSIS AND VALUATION (3 credits)

This course focuses on users of financial statements and how these users evaluate and value a business based on financial information available. The objective is to use various analytical tools as well as perform other quantitative and qualitative analyses when making judgments concerning the financial condition of a company. Upon completion of this course a student should be equipped with the skills necessary to analyze financial information for decision making.

Prerequisite: ACC 3115

ACC 4120 ADVANCED MANAGERIAL ACCOUNTING (3 credits)

Analysis of cost management systems including case studies of relevant and timely topics related to changes in the business environment including the globalization of business. Addresses strategic cost accounting concepts to improve profitability of products, services and customers. Coverage includes measuring causes or drivers of cost and making recommendations for management in the following areas: performance, inventory, production and quality. Emphasis is placed on budget planning, decision analysis, cost and performance management and investment decisions.

Prerequisite: ACC 3120

ACC 4150 ESTATE PLANNING THEORY (3 credits)

This course introduces fundamental tax, financial, and legal questions encountered in estate planning; provides an overview of *inter vivos* planning in today's changing environment; analyzes post mortem strategies and the administration of estates; and covers planning for medical and health related issues and incapacitation. Emphasis is placed on various planning techniques used in estate planning including the use of trusts and charitable planning.

Prerequisite: ACC 2415 and LAW 3000 or LAW 3025

ACC 4220 ADVANCED ACCOUNTING (3 credits)

Accounting for business combinations and consolidations, interim and segment reporting, accounting for foreign currency transactions, the translation and re-measurement of foreign currency financial statements, and an introduction to governmental and not-for-profit accounting.

Prerequisite: ACC 3115

ACC 4250 INTERNATIONAL ACCOUNTING (3 credits)

Course topics include the history and evolution of international accounting and the international standards used today. Students compare and contrast various countries' accounting standards and study the harmonization efforts and standards promulgated by the International Accounting Standards Board. Current international accounting issues will be examined. The course will examine the impact on the financial reporting environment of International Financial Reporting Standard (IFRS), as well as its relationship to U.S. GAAP.

Prerequisite: ACC 3115

AFTERMARKET MANAGEMENT (AMM)**AMM 1120 AFTERMARKET MANUFACTURING MANAGEMENT (3 credits)**

The aftermarket management manufacturing functions are examined including market planning, sales training and management, advertising, selecting and directing employees, establishing and controlling budgets, executive responsibilities, managing for profit, trade shows and clinics, market research, branding, remanufacturing, and manufacturer representative firms.

Prerequisite: AM 1200

AMM 2050 AUTOMOTIVE RETAIL/WHOLESALE MANAGEMENT (3 credits)

The organization, capitalization, layout, product lines, inventory control, purchasing, personnel, financial control, and other management topics for the wholesale and retail segments of the automotive aftermarket are explored. Functions of consumer-oriented marketing are looked at for all segments. Includes retail attitude, pricing and promotion, retail/ wholesale combinations, identity and store image, influence of aesthetics and design, purchasing procedures, employee hiring and personnel management, and merchandising and display.

Prerequisite: AM 1200

AMM 2100 HEAVY DUTY PARTS AND SERVICE MARKETING (3 credits)

The functions of each step of heavy duty aftermarket parts and service marketing and interrelations of all segments from manufacturer to consumers are explored, including industry terminology, channels of distribution, financial implications and supply chain marketing techniques, and aftermarket trends. The management of heavy duty aftermarket manufacturing is also examined, including market planning, sales training, market research, branding, remanufacturing, and manufacturer representative firms. This course also covers the function of the warehouse distributor within the automotive aftermarket.

Prerequisite: AM 1200

AMM 3050 CATEGORY MANAGEMENT (3 credits)

Project-based, cross disciplinary course focusing on the application of general business concepts taught using an experiential model. Problem solving and situation/scenario analysis will be explored utilizing industry case studies and real world situations. Students will learn and experience making fact-based decisions using industry data and tools.

Prerequisites: MIS 1050 or 1500, MTH 2310 and MKT 2080

AMM 3500 SUPPLY CHAIN MANAGEMENT (3 credits)

Explores the principal concepts of supply chain management, including generation of requirements, sourcing, pricing, and post-award activities. The supply chain management philosophy includes all internal functions plus external suppliers involved in the identification and fulfillment of needs for materials, equipment, and services. The course also covers basic principles and philosophies of quality control and quality management, the concept of the extended enterprise, and the importance of establishing the proper relationship with supplier companies. The basic three-tier supply chain typical of automotive manufacturing will be examined in detail.

Prerequisite: MKT 3450

AMM 3600 LOGISTICS AND SUPPLY CHAIN MANAGEMENT (3 credits)

Focuses on management of the flow of products from raw materials sourcing and acquisition through delivery to the final user. Current topics include logistics and transportation planning, information technology, response-based strategies, third party logistics, and relationship management. This course also covers the role of logistics and distribution in the marketing process.

Prerequisite: AMM 2050

AMM 3850 SPECIAL TOPICS (1-3 credits)

Various topics in aftermarket management. These may be one-time or occasional course offerings.

Prerequisite: Dependent on specific course content

AMM 3990 INTERNSHIP (3 credits)

The internship (a minimum of 150 hours) is designed to provide the student with supervised on-the-job training. A contract between the University, student, and employer provides the groundwork. Objectives, evaluations, written log, and a study of the organization are designed to provide a realistic learning experience.

Prerequisite: AMM 2050 and department chair approval

AMM 4040 AFTERMARKET FIELD SALES MANAGEMENT (3 credits)

The examination of the field sales manager's job activities. Subjects include selling skills, expense management, time management, merchandising/advertising plans, sales report writing/sales forecast plans, trade show management, and human resource skills.

AMM 4100 RECREATIONAL MARINE INDUSTRIES AFTERMARKET (3 credits)

The organization, capitalization, layout, product lines, inventory control, purchasing, personnel, financial control and other management topics for the wholesale and retail segments of the recreational marine industries aftermarket are explored. Functions of consumer-oriented marketing are looked at for all segments.

AMM 4120 CURRENT ISSUES IN GLOBAL AFTERMARKET (3 credits)

A current issues study confronting the aftermarket with emphasis on the changing distribution channels and their effect on manufacturing. Concepts included are traditional and retail distribution and how these changes will be managed in the multi-national business environment.

AMM 4130 AFTERMARKET MANAGEMENT RESEARCH (3 credits)

Individual research assignments and projects based on the establishment of a new, student-selected aftermarket business are required, with instructor guidance and supplementary material provided. Includes location and business type, advertising, merchandising and promotion, personnel requirements, pricing and inventory, building, design and layout, product and service selection, and financial considerations.

Prerequisites: AMM 2050 and AMM 3500

ART (ART)

ART 2030 ART HISTORY AND APPRECIATION (3 credits)

This course provides students with the conceptual knowledge and fundamental experience with the elements and principles of design in the visual arts. It provides a selective overview of the arts from different cultures and periods. Topics of discussion include an introduction to the vocabulary, various media of art and the theoretical historical highlights of the world of art history.

Prerequisite: ENG 1150

AUTOMOTIVE MARKETING & MANAGEMENT (AM)

AM 1200 HISTORY AND CULTURE OF THE AUTOMOTIVE INDUSTRY (3 credits)

This course examines the automobile's profound effect on Twentieth Century American culture and helps define the differences between automotive dealership operations and the automotive aftermarket. For Americans, the car has been this century's dominant symbol - representing freedom, affluence, and power - and the course examines this symbolism through the lens of the Northwood Idea. The automobile is also an art form, and the course probes this dimension. Most significantly, the automobile has reshaped American society, and the course studies these effects while also looking at changes likely for the future.

AM 2000 ANATOMY OF MOTOR VEHICLES (3 credits)

Explores foundational elements of motor vehicle technology to include ignition, charging, electrical, fueling, and suspension. Course topics include electric, hydrogen, autonomous, software defined vehicles, diesel, and ICE powersport vehicles. Communication skills focused on highly technical products will be emphasized.

AM 2010 MOTORSPORTS FIELDWORK I (1 credit)

This fieldwork study course will provide students with 50 hours of hands-on experience in the motorsport industry. Students will actively participate in industry events where they will make valuable real-world connections, obtain first-hand experience in the field, and witness in real-time how motorsport events happen.

Prerequisite: Department chair approval

AM 2520 INDEPENDENT DEALERSHIP OPERATIONS (3 credits)

Focuses on the non-franchise independent automobile dealer. These dealers are essential to the long-term survival of the American automobile industry. The disposition of used vehicles is necessary to accommodate the sale of new vehicles, and these dealers have unique requirements that make them important organizations to study. Among the issues that this class will consider are the role of sales and salespeople, advertising, marketing, auctions, reconditioning of vehicles for resale, wholesalers, vehicle pricing, financing - including sub-prime and dealer financing, lot location and display.

Prerequisite: AM 1200

AM 2540 AUTOMOTIVE DIGITAL MARKETING (3 credits)

A study of the current trends in technology available to dealers including computer systems to retain and utilize financial and customer data including service history; business development centers to create a stronger bond with customers and prospects; computer software to develop strong advertising campaigns using the Internet and other electronic media; and customer relationship management tools to maximize customer retention and to develop directed prospecting systems. This course examines virtual dealership models and virtual selling techniques.

Prerequisite: 30 credit hours completed

AM 2560 STRATEGIC SALES AND MARKETING ISSUES (3 credits)

Automobile dealers must develop a successful market strategy for their dealership to differentiate themselves from their competitors. This course covers the differences between sales and marketing, the functions of a successful marketing campaign, creating and sustaining a brand identity, creating customer value, the differences between conquest sales and fresh sales, and a discussion of various buyer profiles.

Prerequisite: 30 credit hours completed

AM 2640 DEALERSHIP VARIABLE OPERATIONS (3 credits)

Study of the vital role successful new and used vehicle departments play in the profitability of American franchise automobile dealerships. Topics covered include selection and motivation of employees, directing the sales staffs, evaluating advertising media basics, sales promotion, facilities planning, inventory control, maximizing inventory turn methods, wholesaling practices, trade-in appraising, vehicle reconditioning for retail sales, and the role of auctions in maintaining proper inventory balance. This course utilizes the ERA computer system.

Prerequisite: AM 1200

AM 2650 DEALERSHIP FIXED OPERATIONS (3 credits)

Study of the management of the mechanical service department, the body shop department, and the parts department of American franchised automobile dealers. This class emphasizes repair order generation and control, shop utilization, scheduling of work, employee selection and motivation, technician productivity and efficiency, body shop estimating techniques, and dealing with insurance companies. This course also emphasizes the relationship between the parts and service departments, retail counter sales, wholesale parts sales, inventory ordering and turn, stock and non-stock parts numbers, level of service, stock order performance, and part phase-in/phase-out criteria. This course utilizes the ERA computer system.

Prerequisite: AM 1200

AM 3010 MOTORSPORTS FIELDWORK II (3 credits)

This advanced fieldwork study course provides students with an additional 50 hours of immersive experience in the motorsports industry. Emphasis will be placed on developing professional communication skills, understanding operational structures, and contributing to the execution of motorsport events.

Prerequisite: AM 2010

AM 3020 INTERNATIONAL SUMMER UNIVERSITY (3 credits)

The International Summer University (ISU) is a two-week, international marketing program sponsored by the Ostfalia University of Applied Sciences in Wolfsburg, Germany. While the general emphasis is on marketing, it does focus on automotive applications. Students attending this conference will be assigned case studies in marketing issues and team assignments designed to demonstrate their capability in analytical problem solving. The course includes visits to several organizations and a formal presentation of the final project on the City of Wolfsburg to the Lord Mayor of Wolfsburg in the City Council chambers.

Prerequisites: 60 credit hours completed

AM 3040 GLOBAL AUTOMOTIVE ISSUES (3 credits)

An examination of the critical decision-making process manufacturers go through when allocating resources for new product launches while looking for the best return on their investment. American manufacturers are entering developing markets where a large, new customer base has yet to be established. This means more new products will go to the BRIC markets (Brazil, Russia, India, and China) rather than the United States. Market strategies of the major global manufacturers and their potential in those markets is analyzed. Each market is analyzed while concentrating on the advantages and disadvantages from a manufacturing and consumer point of view.

Prerequisite: 60 credit hours completed

AM 3630 DEALERSHIP ACCOUNTING (3 credits)

Focuses on the application of the basic accounting principles to the retail automobile dealership. Transactions are traced from the source documents through the accounting records into the financial statements. Students prepare and analyze all standard dealership operating and reporting documents. Included in the course is exposure to computerized accounting through the use of an ERA computer system.

Prerequisite: ACC 2415

AM 3650 DEALERSHIP LEGAL ISSUES/FINANCE AND INSURANCE (3 credits)

A review of the many federal, state, and local regulatory agencies and laws dealerships must respond to including the Internal Revenue Service, state and local Departments of Revenue, Federal Trade Commission, Fair Labor Standards Act, Truth in Advertising, Truth in Lending, OSHA, EPA, and other agencies. Also includes an in-depth study of the dealership finance and insurance departments, with special emphasis on products offered in these departments and the profit potential.

Prerequisite: 60 credit hours completed

AM 3680 ADVANCED DEALERSHIP FIXED OPERATIONS (3 credits)

A comprehensive analysis of successful fixed operations management and its contribution to the viability and profit performance of the entire dealership. This is achieved by examining the processes and economics of the mechanical service, body shop, and parts departments of American franchised dealerships as both traditional stand-alone departments and also as a unified business unit. The investigation of operational and financial considerations underlying essential concepts includes: repair order generation, technician and shop efficiency and productivity, scheduling, body shop estimating techniques, parts inventory strategies, part phase-in/out criteria, and level of service. Special attention is given to advanced issues intended to build competitive advantage for the entire dealership in the current business environment, such as adoption of lean production techniques, sources and uses of working capital, and strategies to retain/regain market share relative to aftermarket competitors. This course includes an ERA computer lab section.

Prerequisite: AM 2650

AM 3800 FUNDAMENTALS OF MOTORSPORTS (3 credits)

Examines a comprehensive overview of the world of motorsports, covering its history, various racing disciplines, and the fundamental principles that govern competitive racing. Students will explore key aspects including vehicle types, team and organization structures, safety regulations, and the business and culture of motorsport industries worldwide.

AM 3850 SPECIAL TOPICS (1-3 credits)

Various topics in automotive marketing and management. These may be one-time or occasional course offerings.

Prerequisite: Dependent on specific course content

AM 3980 RETAIL AUTOMOTIVE OPERATIONS MANAGEMENT (3 credits)

A focus on workflow within the retail/wholesale value chain to achieve maximum product exposure. Students are challenged by an extensive case study requiring skills related to all value chain components. This is a highly intense class with limited enrollment.

AM 3990 INTERNSHIP (3 credits)

The internship (a minimum of 150 hours) is designed to provide the student with supervised on-the-job training. A contract between the University, student, and employer provides the groundwork. Objectives, evaluations, written log, and a study of the organization are designed to provide a realistic learning experience.

Prerequisite: Department chair approval

AM 3995 DIRECTED STUDY (3 credits)

A focus on the uniqueness and diversity of American franchise automobile dealerships in a major metropolitan market. The student will gain an understanding of dealership design, management and operation, customer relations, inventory control, and other dealership activities through visitation and observation of dealerships in operation, and by talking directly to dealers and managers at various dealerships. The class will visit a minimum of six dealerships during the semester. Attention will be given to comparing and contrasting different dynamics of dealership operation such as size (large versus small), brand (import versus domestic), and age (older versus newer). The student will be required to select one dealership for an in-depth case study.

Prerequisite: 60 credit hours completed

AM 4010 MOTORSPORTS FIELDWORK III (3 credits)

In this capstone fieldwork experience, students will participate in leadership or project-based roles within motorsport organizations or events to analyze management structures, coordinate small teams or projects, and contribute to strategic decision-making processes. This course emphasizes leadership, critical analysis, and professional-level application of motorsports management principles.

Prerequisite: AM 3010

AM 4020 DEALERSHIP VALUATION, DEALER DEVELOPMENT, SUCCESSORSHIP ISSUES (3 credits)

A discussion regarding the important topics of determining the value of a business, specifically an automobile dealership, transferring ownership of that business through buy-sell agreements and the role that the manufacturers play in keeping dealerships from failing. Discusses how manufacturers have a vested interest in seeing their franchise dealerships succeed. Likewise, they are very protective of who owns and manages these dealerships. For these reasons, the manufacturers have instituted programs aimed at helping dealerships remain profitable and have incorporated into the language of the franchise agreement the right to approve successors to existing dealer principals.

Prerequisite: 90 credit hours completed

AM 4100 INDEPENDENT RESEARCH TOPICS (3 credits)

Requires selecting a specific research area of interest as the project. Potential topics include: personnel issues, the heavy duty truck sector, publicly owned dealerships, global marketing strategies, or other areas as approved by the department chair. Students must have an approved abstract outlining the nature and topic of the research prior to beginning. The research project and methodology must be approved by the department chair.

Prerequisite: 90 credit hours completed

AM 4500 MOTORSPORTS HR AND TALENT MANAGEMENT (3 credits)

Emphasizes a strategic and practical introduction to Human Resources (HR) and Talent Management in modern organizations with an emphasis on the Motorsports industry. Students will explore the full employee life cycle, including workforce planning, recruitment, onboarding, performance management, employee development, retention strategies, and succession planning-while considering legal, ethical, and global HR considerations.

AM 4650 DEALERSHIP FINANCIAL STATEMENT ANALYSIS (3 credits)

Covers the importance of employing sound business and financial practices in the operation of a profitable automobile dealership. This class will discuss topics such as sound credit practices, insurance requirements, inventory control, wholesale and retail financing practices, and budgeting and forecasting techniques. This class concentrates on studying in-depth the dealership financial statement, examining it by use of established ratios and percentages and other analytical tools, in order to make sound business decisions.

Prerequisite: 90 credit hours completed

AM 4651 DEALERSHIP ACCOUNTING & FINANCIAL STATEMENT ANALYSIS (3 credits)

This course explores ways and means of mining a dealership's data management systems (DMS) to improve operational performance. Study begins by tracing the entry of individual transactions from source documents through the dealership's accounting records and into the resulting management reports and financial statements. Students will prepare and analyze standard dealership operating and reporting documents with emphasis on financial statement analysis as a management tool. This course is offered in conjunction with a required lab section.

Prerequisites: ACC 2410 and AM 3680

AM 4660 DEALERSHIP MANAGEMENT FOR INTERNATIONAL STUDENTS (3 credits)

Designed to be a capstone course for international students studying the American franchise automobile dealership. The focus is on studying current trends and developments, doing research in relevant topics, and individual and team case studies. Experts from outside the classroom are brought in to discuss important topics of current concern. Students will also be encouraged to visit dealerships located near the campus to observe their operations.

Prerequisite: 90 credits completed and international students

AM 4670 DEALERSHIP GENERAL MANAGEMENT (3 credits)

A capstone course for automotive marketing and management which includes a study of current retail marketing and management enterprises, inventory control, personnel management, customer care, and financial controls, as well as a review of the function and management of each of the five basic dealership departments. This course will utilize the ERA computer system to evaluate critical dealership operational and financial performance.

Prerequisite: 90 credit hours completed

AM 4700 AUTOMOTIVE MOBILITY AND LEADERSHIP (3 credits)

Explores leadership and management practices across the automotive and mobility sectors, including dealership operations, the aftermarket industry, powersports, and motorsports. Through case studies, industry engagement, and applied projects, students will analyze leadership challenges, ethical considerations, and innovation opportunities within these interconnected fields. Emphasis is placed on developing strategic decision-making, communication, and leadership skills essential for managing teams and driving success across automotive and mobility industries.

Prerequisite: AM 3040

COMPUTER SCIENCE (CS)

CS 1000 INTRODUCTION TO COMPUTER SCIENCE (3 credits)

Students are introduced to the fundamental concepts of computer science, problem solving, object-oriented algorithm development, and programming. Concepts including contemporary programming languages and their constructs, identifiers, primitive data types, logical/ relational operators, expressions, debugging, flow of control (selection and repetition), functions, parameter passing, calls (by value/ by reference), object-oriented programming, structured data types, and pointers. Students will analyze declarative and imperative computer programs regarding function, logic, structure, and object-based approaches.

CS 1100 COMPUTER ARCHITECTURE (3 credits)

Students learn about the internal architecture and organization of a computer system. The role that evaluation of performance has in relation to computer system design, the design and architecture of instruction sets, design and optimization of data paths, control design, pipeline implementations, single/ multiple cycles, hazard detection and forwarding, hierarchy design for memory, cache memory, virtual memory, and peripheral and input/ output (I/O) devices. This course also provides an overview of digital logic.

CS 2500 DATA STRUCTURES AND ALGORITHMS (3 credits)

Students learn basic and essential topics in data structures, including array-based lists, linked lists, skiplists, hash tables, recursion, binary trees, scapegoat trees, red-black trees, heaps, sorting algorithms, graphs, and binary tree. Students through the analysis and design of fundamental data structures learn to use data structures as algorithmic tools to design efficient computer programs that will cope with complex applications. Data structure topics include the application, implementation, and complexity analysis of trees, hash tables, heaps, maps, sets, and graphs. Algorithmic topics include advanced sorting and searching methods and an introduction to divide-and-conquer and greedy techniques, graph algorithms, backtracking, and dynamic programming.

Prerequisite: MIS 1110

CS 3100 COMPUTER ORGANIZATION AND ASSEMBLY LANGUAGE (3 credits)

Students will be introduced to the organization and operation of computer systems at the assembly language level. Students will perform mapping of statements and constructs in a high-level language on top of sequences of machine instructions. Students will also analyze and map internal representations of simple data types and structures. Hands-on programming experience with an assembly language will provide practical application of concepts presented in class.

Prerequisite: CS 2500

CS 3140 PROGRAMMING FOR DATA ANALYSIS (3 credits)

This course will guide students in a hands-on environment that facilitates a zero to hero transition in Python programming. Content ideas will advance on the fundamentals of Python programming principles learned in MIS 2140. Specific content areas for this course are working with various data formats within python to include MS Excel Worksheets, XML, HTML, and JSON files, deploying the NumPy and Pandas libraries to create, structure and manipulate data arrays, as well as the Matplotlib and Seaborn modules for data plotting and visualization. The skills, tools, and best practices used to effectively manage data cleaning, preparation, and wrangling will be discussed.

Prerequisites: MIS 1500 and MIS 2140

CS 4000 ALGORITHM DESIGN AND ANALYSIS (3 credits)

Students build upon the concepts covered in CS 2500. Various techniques for designing algorithms, analyzing their time and space complexity, and demonstrating their correctness will be covered. These techniques include divide-and-conquer, greedy algorithms, dynamic programming, randomized algorithms, string processing algorithms, and parallel algorithms. Analysis of algorithms will include computational models, case analysis, and computational complexity. Students will create proofs as well as perform programming code. There will be more rigor in the theoretical analysis of algorithms.

Prerequisite: CS 2500

CS 4100 OPERATING SYSTEMS (3 credits)

Students are introduced to the core concepts of operating systems, such as processes and threads, scheduling, synchronization, memory management, file systems, input and output device management and security. Students perform a general survey of operating system concepts. Course concepts include synchronization of processes, inter-process communication, deadlock, multiprogramming and multiprocessing, scheduling, resource management, overlays, relocation, virtual memory, file systems, logical and physical I/O, device allocation, and process/ resource protection. Students will develop computer code and programs.

Prerequisite: CS 3100

CS 4200 COMPUTER SCIENCE SENIOR PROJECT (3 credits)

Students will work in teams to apply the knowledge they have gained from the curriculum. The project can be either an applied application or a theory-based project. Students choosing applied projects will identify a problem, develop a project proposal, identify an approach to the problem's solution, develop the solution, and implement the solution followed by testing or evaluating the solution. A theory-based project involves conducting original research (e.g., develop a new algorithm) and evaluating the strengths and limitations of the research (e.g., a new algorithm). Either project choice involves students documenting their work in the form of written reports and oral presentations.

Prerequisites: All CS courses

CYBERSECURITY MANAGEMENT (CYB)**CYB 2100 CYBERSECURITY PRINCIPLES (3 Credits)**

Students will be introduced to the information security and cybersecurity threats and vulnerabilities that organizations face through an exploration of fundamental concepts. Topics include integrity, availability, and confidentiality of data, risk management, governance, cryptography, network security, business continuity, and cybersecurity-related legal issues. Students will also examine the tools, technologies, and techniques necessary to secure information and systems.

CYB 2150 SCRIPTING (3 credits)

In this course, students learn how to perform data analysis, identify vulnerabilities, and automate large scale network attacks, along with other cybersecurity scripting opportunities. Fundamentals of scripting for security testing, data analysis, and other routine IT tasks are explored.

Prerequisite: MIS 2140

CYB 2300 ADVANCED NETWORKING SYSTEMS (3 credits)

Students work independently and collaboratively to develop the complex skills necessary to design, create, and maintain reliable and secure services, devices, and applications in various networked environments. Through exploration and application of troubleshooting, administration, and efficiency standards, students develop skills in network analysis. Additional topics include congestion control, switching, routing, analysis and design of network protocols (both wired and wireless), data centers, analysis and performance of content distribution networks, network security, vulnerability and defenses, net neutrality, and online social networks.

Prerequisite: MIS 1300

CYB 3000 CRYPTOGRAPHY AND CURRENT TRENDS (3 credits)

Students examine cryptographic systems, including how to properly utilize these systems in real-world scenarios. Concepts include using shared keys to provide secure communication when adversaries attempt to manipulate and listen to network traffic. Research of deployed protocols to analyze mistakes in existing systems is conducted. Students apply public-key techniques to generate shared secret keys, which allow for secure communication. Students also explore advanced cryptographic skills, such as zero-knowledge, privacy mechanisms, and other forms of encryption.

Prerequisite: MIS 1300

CYB 3200 NETWORK SECURITY (3 credits)

Students will examine network security and cryptography, specifically examining network services, devices, configurations, and system vulnerabilities and threats. Fundamentals of encryption methods, symmetric/asymmetric systems, and hashing also will be studied. In hands-on, lab-based learning, students will explore various concepts and techniques, including detection and intrusion prevention of common attacks and design of network security architecture.

Prerequisites: MIS 1300

CYB 3300 PHYSICAL AND OPERATIONAL SECURITY (3 credits)

This course presents students with key topic areas such as securing cyber-physical systems and maintaining an effective security operations program. Specific topics include interconnected systems, sensors, and devices. Students will analyze the inherent risks of cyber-physical systems and will learn how to develop properly secured systems. The broader operations of cyber-physical security including maintaining policies, auditing, configuration/change management, and vulnerability assessment will also be analyzed.

Prerequisite: MIS 1300

CYB 3800 INFORMATION SECURITY (3 credits)

This course surveys information security essentials needed for a foundational understanding of the Information Security discipline from the business level perspective. Common attacks and vulnerabilities against an organization will be identified and deliberated. Furthermore, the course provides a survey of how to mitigate the risk of attack, the managerial and legal requirements on organizations including reporting requirements, the professional ethics surrounding cyber security, and how these affect security policy formation and implementation.

Prerequisite: MIS 1500

CYB 3950 ADVANCED OPERATIONAL SECURITY (3 credits)

This course builds on concepts learned in CYB 3300. Students discuss various topics, including securing cyber-physical systems and maintaining an effective security operations program. Analysis of the inherent risks of cyber-physical systems and development of properly secured systems are completed. Students also explore operations of cyber-physical security, including current trends such as web applications incident response.

Prerequisite: CYB 3300

CYB 4000 DIGITAL FORENSICS (3 credits)

Digital forensics explores the concepts and tools necessary for computer forensics. Students learn how to conduct investigations to correctly gather, analyze, and present digital evidence to both business and legal audiences. Students examine the tools to locate and analyze digital evidence on a variety of devices, how to maintain up-to-date skills to work with changing technologies, and about digital forensics laws and regulations.

Prerequisite: CYB 3000

CYB 4100 ETHICAL HACKING (3 credits)

Students will build on the knowledge and skills learned in CYB 3200. Hands-on experiential learning opportunities reinforce the hacking methodologies used to assess and attack a target computer system, as well as exercises that stress ethical hacking and penetration testing. Additional topic areas include attack exploits and using security tools and techniques to find and fix vulnerabilities.

Prerequisites: CYB 3200 and CYB 3300

CYB 4200 CYBERSECURITY CAPSTONE (3 credits)

In the Cybersecurity capstone course, students will demonstrate the skills, tools, and best practices in cybersecurity and project management that are required to manage a cybersecurity project effectively from its inception to completion. Students will focus on improving the security posture of an organization throughout the project lifecycle, while building consultative communication and interpersonal skills in team member and other project stakeholder interactions.

Prerequisite: CYB 4100

ECONOMICS (ECN)**ECN 2210 PRINCIPLES OF MICROECONOMICS (3 credits)**

An examination of general microeconomic theory with an emphasis on supply and demand, opportunity cost, consumer choice, the firm, the market structures and regulations, allocation of resources, capital, interest, profit, labor unions, income analysis, energy, national resource economics, and public policy.

ECN 2220 PRINCIPLES OF MACROECONOMICS (3 credits)

An examination of general macroeconomics theory with an emphasis on government spending and taxation, national income accounting, economic fluctuations, macroeconomics theory, fiscal policy, monetary policy, the banking system, economic stabilization, international trade, economic growth, and comparative economic systems.

ECN 3000 INTERNATIONAL TRADE (3 credits)

Examines the basis of trading among nations with emphasis on resources, foreign exchange, balance of payments, investments, tariffs, import quotas, export controls, nationalism, free trade, protectionism, and the institutions aiding in world trade.

Prerequisites: ECN 2210 and 2220

ECN 3010 INTERMEDIATE MICROECONOMICS (3 credits)

A study of resource allocation, scarcity, income distribution, consumer choice; theory of the firm, market structures, factor markets, welfare economics, and general equilibrium.

Prerequisites: ECN 2210, 2220, and MTH 3100

ECN 3020 INTERMEDIATE MACROECONOMICS (3 credits)

A study of income theory, employment, interest rates, and price level determination. The role of government and its influence on these variables via monetary and fiscal policies will be studied.

Prerequisites: ECN 2210 and 2220

ECN 3110 ECONOMIC HISTORY (3 credits)

A study of significant periods and development in the evolution of economic activity in the U.S. with special emphasis on the place of the American business community and its relationship to the world economy from 1607 to date.

Prerequisites: ECN 2210 and 2220

ECN 3310 MONEY AND BANKING (3 credits)

Examines the role of money and financial institutions in the U.S. economy. Includes an analysis of the role of the Federal Reserve and the impact of monetary policy on interest rates, exchange rates, inflation, and a comparison of different institutional arrangements in financial markets.

Prerequisites: ECN 2210 and ECN 2220

ECN 3410 COMPARATIVE ECONOMIC SYSTEMS (3 credits)

An analysis of the various systems of economic organization; comparison of socialist methods of economic management with the operations of the market economy; overview of the current economies of several nations.

Prerequisites: ECN 2210 and 2220

ECN 3510 DEVELOPMENT OF ECONOMIC THOUGHT (3 credits)

An analysis of the theories advanced from the Greeks to the contemporary schools of economic thought and their effects on present-day economic policies designed to give students an appreciation for the intellectual foundation of the discipline.

Prerequisites: ECN 2210 and 2220

ECN 3700 ECONOMICS OF SUSTAINABILITY (3 credits)

Explores the relationships between economics and our natural environments and social institutions. Students study market and non-market values for environmental and enterprise services, approaches to measure sustainability, roles of business, government and non-profit sectors fostering sustainability, and the emerging role of environmental economics in strategic business planning. Fundamentals of environmental economics are applied to real-world environmental and business problems.

Prerequisites: ECN 2210 and ECN 2220

ECN 3710 ENVIRONMENTAL ECONOMICS (3 credits)

Applies tools of economic analysis to issues of environmental pollution and resource depletion. Students will learn techniques for evaluating current resource use and compare various regulatory and incentive-based public policy alternatives for improvement. Applications include solid waste management, air and water pollution, energy, wildlife habitat, population, and trans-boundary pollution.

Prerequisite: ECN 2210

ECN 3850 SPECIAL TOPICS (1-3 credits)

Various topics in economics. These may be one-time or occasional course offerings.

Prerequisite: Dependent on specific course content

ECN 3990 ADVANCED TOPICS - POLITICAL ECONOMY (3 credits)

Course includes an analytical and critical paper written after attendance at the annual summer "Freedom Seminar" or through arranged directed study.

Prerequisites: ECN 2210 and 2220

ECN 3995 INTERNSHIP (3 credits)

The internship (a minimum of 150 hours) is designed to provide the student with supervised on-the-job training. A contract between the University, student, and employer provides the groundwork. Objectives, evaluations, written log, and a study of the organization are designed to provide a realistic learning experience.

Prerequisite: Department chair approval

ECN 4010 ECONOMICS OF PUBLIC POLICIES (3 credits)

A study of both the short-term and long-term economic consequences of public policies as they relate to individuals and organizations. Policies examined include public pensions, health insurance, health and safety regulation, environmental protection, energy, industrial policy, and taxation.

Prerequisites: ECN 2210 and 60 credit hours completed.

ECN 4250 CASES AND PROBLEMS IN GLOBAL ENTREPRENEURSHIP (3 credits)

The case study method is used to analyze the global environment confronting the entrepreneur engaged in cross-border enterprise. Important course components include public policy, markets, labor, and financial forces.

Prerequisite: ECN 3000

ECN 4400 AUSTRIAN ECONOMIC THEORY (3 credits)

Provides a general overview of how a generalized understanding of human action under subjective preferences can be used to deduce a wide range of economic phenomena.

Prerequisites: ECN 2210 and ECN 2220

ECN 4500 INTRODUCTION TO ECONOMETRICS (3 credits)

Introduces students to the basics of econometrics and regression analysis to evaluate economic problems. Familiarizes students to basic applied econometrics theories and techniques that can be used with commonly available computer software. A strong emphasis is placed on applications to relevant real-world data and to the recognition and understanding of common statistical problems.

Prerequisites: 60 credits hours completed, ECN 3010, and MTH 2310

ECN 4890 RESEARCH METHODS (3 credits)

This course is based on the belief that in order to learn economics, a student must do economics. Provides a framework within which the students learn to understand and evaluate economic research, while completing an original research paper under the supervision of the instructor.

Prerequisite: ECN 4500

ENGLISH (ENG)**ENG 0900 DEVELOPMENTAL COMPOSITION (3 credits)**

A developmental course for students who demonstrate a need for extra assistance in collegiate writing based on English ACT or SAT scores or a placement exam.

ENG 0990 ENGLISH FOR ACADEMIC PURPOSES (EAP) (3 credits)

Designed to address the needs of international undergraduate transfer students identified as needing English as a Second Language (ESL) instruction based on TOEFL or IELTS scores or a placement exam, the course's objective is to strengthen the student's ESL/EAP skills in order to prepare them for academic success in an American university. This course covers grammar, writing, listening, speaking, and reading, with special emphasis on meeting the academic expectations of upper-level classes. The course helps students gain confidence and competency in daily communications and personal interactions during the completion of their degree program.

ENG 1100 INTRODUCTION TO PROFESSIONAL AND TECHNICAL COMMUNICATION (3 credits)

Explores the application of professional and technical communication in industry, with emphasis on skill building in transactional writing, information design, and documentation development. The ways in which written communication and communication tools are incorporated into various types of organizations, based on audience needs and business purposes, are emphasized.

ENG 1150 COMPOSITION I (3 credits)

Uses a variety of genres to introduce students to rhetorical awareness focusing on audience and purpose. Readings in fiction and/or nonfiction are used to support writing strategies. A researched argumentative paper using APA documentation is required during the freshman composition sequence in either Composition I or Composition II or both.

Prerequisite: ENG 0900 or minimum ACT English score of 18 or minimum SAT verbal score of 421

ENG 1200 COMPOSITION II (3 credits)

Uses analytical, interpretive readings as a basis for refining critical thinking and writing skills. Readings in fiction and/or nonfiction are used to support writing strategies. A researched argumentative paper using APA documentation is required during the freshman composition sequence in either Composition I or Composition II or both.

Prerequisite: ENG 1150

ENG 2200 GRAMMAR AND USAGE IN PROFESSIONAL COMMUNICATION (3 credits)

Examines the development of language, including mechanics and style, as well as the reasons for common grammatical errors. Professional and technical editing processes and strategies are explored, with particular emphasis on the standardization of written and verbal communication norms in a global business environment.

ENG 2500 INSTRUCTIONAL WRITING AND USABILITY (3 credits)

Focuses on the development of user-centered design principles and usability evaluation in professional and technical communication contexts. Manuals, help documentation, and other instructional and procedural documentation sets are developed. The integration of visual and digital components to enhance usability is emphasized. Projects are customized based on student interest and professional goals.

Prerequisite: ENG 1200

ENG 2900 TECHNICAL WRITING FOR STEM FIELDS (3 credits)

Students will study the texts and genres of technical communication for science, technology, engineering, and medical fields, with practice writing a variety of documents. Emphasis is placed on development of scientific-based articles and the graphical and narrative presentation of data. Topics include applying the rhetorical situation to technical audiences and transforming scientific information for a lay audience.

ENG 3000 PUBLICATION AND INFORMATION MANAGEMENT (3 credits)

Explores strategies to manage publications commonly disseminated by contemporary organizations, internally and externally. Distribution processes, project management techniques and frameworks, and milestones of various publications are investigated. A collaborative documentation project is completed.

ENG 3110 WORLD LITERATURE I (3 credits)

This course focuses on global literature from ancient times through the 1500s. Works of fiction and nonfiction from a variety of global cultures are included.

Prerequisite: ENG 1200

ENG 3120 WORLD LITERATURE II (3 credits)

This course focuses on global literature from 1600 to the present. Works of fiction and nonfiction from a variety of global cultures are included.

Prerequisite: ENG 1200

ENG 3200 REPORT WRITING AND APPLIED BUSINESS COMMUNICATIONS (3 credits)

Focus on improving writing ability with various types of business communications and reports for practical purposes consistent with business norms and conventions. Enhance written communication skills including executive summaries, business correspondence and reporting, and presentation of research findings. Includes collecting, organizing, interpreting facts, and presenting the findings in a well-documented report. Professional techniques of structuring and presenting business data are emphasized.

Prerequisite: ENG 1200

ENG 3500 INFORMATION AND DOCUMENT DESIGN (3 credits)

Examines document design from a user perspective. Usability principles, research, and instructional design techniques are used to plan and create instructional sets and workplace documents, within the context of global dissemination. Usability testing and assessment inform revision of documents. The visual and informational flow in relation to document context are emphasized.

Prerequisite: ENG 2500

ENG 3600 APPLIED COMMUNICATIONS (3 credits)

Students learn techniques and psychology of effective domestic and cross-cultural business communication, with emphasis on business letters, reports (oral and written), memoranda, and electronic submissions.

Prerequisite: ENG 1200

ENG 3850 SPECIAL TOPICS IN LITERATURE (3 credits)

In these courses, students refine their reading, writing, and thinking abilities through responding, interpreting, analyzing, and evaluating literature. The English department chair and academic dean are responsible for approving specific courses for this elective.

Prerequisite: ENG 1200

ENG 3990 PROFESSIONAL AND TECHNICAL COMMUNICATION INTERNSHIP (3 credits)

Requires 150 hours of supervised on-the-job training. A contract between the University, student, and employer provides the groundwork. Tasks, objectives, evaluations, hourly log, and study of the organization provide experiential learning experiences.

Prerequisite: Department Chair Approval

ENG 4000 STORYTELLING IN MULTIMEDIA COMMUNICATIONS (3 credits)

Introduces the history of multimedia storytelling and critical evaluation of digital stories. Focuses on the ways in which storytelling can be disseminated to diverse audiences in order to engage and empower organizational and individual voice. Digital story projects include a video project to promote an organization or cause. The integration of visual, sound, narrative, and production elements to produce a captivating story is emphasized.

Prerequisite: ENG 1200

ENG 4010 COMMUNICATION AND INTERPERSONAL RELATIONS (3 credits)

Examines the fundamental connection between the use of language and the way people communicate, think, and act. To understand the deeply symbolic nature of language, students study modern semantics and focus on how to interpret spoken and written words, especially by examining how the meaning of words is influenced by physical, verbal, and historical contexts. Students increase their self-awareness and their abilities to communicate, think, and act effectively and ethically.

Prerequisite: ENG 1200

ENG 4100 ADVANCED PROFESSIONAL AND TECHNICAL COMMUNICATION (3 credits)

Prepares students to lead and participate in positions across communication fields. Application of the use of contemporary publication and presentation mediums, advanced design, and writing and editing processes, from planning to publication and/or dissemination, creates familiarity with workplace communications that support organizational goals. A term project focused on a self-selected industry emphasizes the workplace norms and requirements for professional and technical communication within a specific field.

Prerequisite: ENG 3200 and ENG 3500

ENG 4200 PROFESSIONAL AND TECHNICAL COMMUNICATION CAPSTONE PORTFOLIO (3 credits)

Emphasizes reflection on professional and technical communication coursework. Application of the ways in which frameworks, theories, and practices of written and verbal communication rhetoric and communication have been integrated in academic and workplace contexts is discussed. A personal professional philosophy and portfolio are created to reflect experience most relevant to professional goals.

Prerequisites: ENG 4100

ENTREPRENEURSHIP (ETR)

ETR 1010 INTRODUCTION TO ENTREPRENEURSHIP (3 credits)

An introduction to the creative and innovative managerial practices of successful entrepreneurship. This course reviews the significant economic and social contributions entrepreneurs provide to society, the intense lifestyle commitment, and the skills necessary for entrepreneurial success. Provides an overview of the entrepreneurial process.

ETR 1200 SUCCESSFUL BUSINESS MODELS (3 credits)

A survey course of successful entrepreneurial business models and the initial challenges these business models encountered. Students review and evaluate the business models of some of the world's great entrepreneurs such as Astor, Lowell, Swift, Rockefeller, DeVos, Walton, and Gates. Explores how to use a company's business model to identify resource requirements, focus risks, and diagram revenue streams.

ETR 2010 ENTREPRENEURIAL MARKETING (3 credits)

This course reviews and applies entrepreneurial marketing approaches used by successful entrepreneurs. These include utilizing industry sector trends, identifying emerging customer niches, developing new products/services, using guerilla marketing strategies, and Internet and social marketing strategies. Methods to research industry sector trends, identify emerging needs, develop new product and service ideas, and evaluate their feasibility, competitive advantage, and potential profitability. Explore the relationship between a well-developed marketing plan and successfully raising start-up capital.

Prerequisite: MKT 2080

ETR 2200 ENTREPRENEURIAL DISTRIBUTION STRATEGIES (3 credits)

This course reviews and explores the various distribution strategies available to entrepreneurs to deliver products and services in the 21st century. These include traditional layered distribution, franchise development and/or purchase, multi-level marketing, direct Internet, and direct distribution models including 800 numbers and advertising-based response approaches. Also included are the factors to consider when selecting a business location, deciding to build, buy or lease space, as well as tradeoffs and process of signing a lease for company space.

Prerequisite: ETR 2010

ETR 3010 NEW VENTURE FINANCE (3 credits)

The application of prerequisite accounting and finance course material to the challenges and specific needs of entrepreneurial ventures. The course emphasizes importance of managing cash flows, ratio analysis, pro forma development, and the basics of deal structure and harvesting a business venture. Students will identify and interpret sources of information from company financial reports, financial publications, industry benchmarks, the media, and web sites.

Prerequisite: FIN 3010 or FIN 3210

ETR 3100 ENTREPRENEURIAL LEADERSHIP (3 credits)

This course explores how to identify and develop solutions to the most common leadership and personal challenges faced by entrepreneurs when starting new ventures or launching new products. Promotes a deeper understanding of what is required to be a successful entrepreneur. Highlights the skills and tools necessary to start a new business and explores alternatives to common pitfalls.

Prerequisite: 60 credit hours completed

ETR 3200 RISK ANALYSIS AND BUSINESS MODEL CREATION (3 credits)

This course reviews financial tools and industry benchmarks used to identify and manage start-up risks. Applies completed objectives from core finance courses to the specific needs of entrepreneurial ventures. Stresses the importance of using a company's business model to identify resource requirements, focus risks, and diagram revenue streams. Surveys lessons from successful entrepreneurial business models used by some of the world's greatest entrepreneurs.

Prerequisite: FIN 3010 or FIN 3210

ETR 3300 BUSINESS PLAN DEVELOPMENT (3 credits)

An introduction to the process of researching, writing, and presenting a business plan. Students identify and screen ideas using a business feasibility study that describes the product features, market opportunity, customer profile, sales forecast, competitive advantage, and profit potential. Following a successful feasibility study students may use business plan software as each develops their own complete business plan. Exceptional students may be granted permission to identify and work with a small business owner to help them develop a business plan that potentially expands their current business.

Prerequisite: ETR 3010

ETR 3850 SPECIAL TOPICS (1-3 credits)

Various topics in entrepreneurship. These may be one-time or occasional course offerings.

Prerequisite: Dependent on specific course content

ETR 3990 ENTREPRENEURSHIP INTERNSHIP (3 credits)

The internship (a minimum of 150 hours) is designed to provide the student with supervised on-the-job training. A contract between the University, student, and employer provides the groundwork. Objectives, evaluations, written log, and a study of the organization are designed to provide a realistic learning experience.

Prerequisite: Department chair approval

ETR 4010 RISK ANALYSIS AND SOURCES OF CAPITAL (3 credits)

This problem and case-driven course applies many of the objectives from ETR 3010 and core finance courses to the specific needs of small businesses and high growth startups. Financial tools, analysis techniques, and industry benchmarks are used to evaluate, fund, manage, and value entrepreneurial ventures. Valuation options are explored, including the basic valuation techniques imbedded in 'Crystal Ball' or a similar commonly accepted valuation software.

Prerequisite: ETR 3010

ETR 4030 ENTREPRENEURIAL BUSINESS MODEL CREATION AND EVALUATION (3 credits)

This case-driven course applies many of the completed objectives from ETR 1200 and other management core courses. This course explores ways entrepreneurs maximize wealth and economic value.

ETR 4040 STRATEGIC MANAGEMENT OF A FAST-GROWING NEW VENTURE (3 credits)

This case-based course applies techniques to design, develop, implement, monitor, and revise new enterprise business strategy. Methods to formulate, implement, and evaluate the strategic management process are analyzed. The congruity and interaction between a proposed strategy and the environment in which a new business is expected to operate are explored in detail. Heavy emphasis is placed on the venture's core competencies, competitors, customer needs, industry, available resources, and operating constraints.

Prerequisite: ETR 3010 or Department chair approval

ETR 4050 SEMINAR IN FAMILY BUSINESS GROWTH AND SUCCESSION PLANNING (3 credits)

Explores the issues associated with business growth, estate, and succession planning within a family-owned business. Special attention is paid to intergenerational changes of management control and their implications for business sustainability and continuity.

Prerequisite: ETR 3010 or Department chair approval

ETR 4060 INTERNATIONAL ENTREPRENEURIAL PROCESS (3 credits)

Focuses on an understanding of business methodologies needed to create new venture opportunities in and between foreign markets. Explore entrepreneurial and practical aspects of importing, exporting, and offshore outsourcing. Student teams will research foreign business climates, cultures, and market trends within countries that have unilateral or multilateral free-trade agreements with the United States (e.g., NAFTA) or other countries.

Prerequisites: ETR 3010 and ECN 3000 or department chair approval

ETR 4070 ENTERPRISE LAW—FROM CREATION TO HARVEST (3 credits)

Students will learn and apply the legal considerations affecting an entrepreneurial enterprise throughout the life cycle of an organization (pre-startup, launch, growth, maturity, and harvest). Teams of students will complete a series of legal tasks and develop work products necessary to define, create, and operate an entrepreneurial venture.

Prerequisite: ETR 3010 and LAW 3000 or LAW 3025 or Department chair approval

ETR 4080 SOCIAL AND CREATIVE ARTS ENTREPRENEURSHIP (3 credits)

Explores how entrepreneurial work habits and managerial expertise can be applied to help community service organizations to be more effective at helping to solve social problems and creative arts entrepreneurs to be able to financially support their artistic endeavors. Students create project teams that possess a strong sense of mission by participating in real-world community service activities. A mix of enterprising leaders engaged in social and creative arts enterprises will visit with the students to provide them with insights into their organizations' challenges, setbacks, and successes.

ETR 4100 ENTREPRENEURIAL MANAGEMENT (3 credits)

This course focuses on the challenges and opportunities to operate new and small businesses. Students develop an understanding of how to manage growth through planning, budgeting, and execution skills. Heavy emphasis is placed on the venture's core competencies, competitors, customer needs, industry dynamics, available resources, and operating constraints.

Prerequisite: 90 credit hours completed

ETR 4200 NEW VENTURE BUSINESS CASE (3 credits)

Students integrate course material from all completed entrepreneurship courses. Students research, prepare, and present a comprehensive business plan for a new venture idea of their choice. The plan extends the outline used in ETR 3300 by adding increased market research, complex financial analysis, detailed capitalization explanation, a fundraising plan, and potential harvest strategy.

Prerequisite: ETR 3300 and ETR 3010

EXECUTIVE FITNESS (EXF)

EXF 1510 PHYSICAL CONDITIONING-TRAINING (1 credit)

Designed to teach proper forms of physical conditioning and weight training. Students will develop individual training programs and learn to strengthen various parts of the body. Topics will include functional anatomy during various lifts, the physiology of training methods, and the biomechanics of the body during training.

FINANCE (FIN)

FIN 1010 INTRODUCTION TO FINANCE (3 credits)

Designed to build an understanding of the various banking and finance industries through an examination of the segments of these industries and appraisals of the financial and management skills that future managers need to succeed. The course pedagogy is enhanced with student-led discussion regarding current events in global financial markets. Students gain insights into the development and characteristics of the different industries through popular trade magazines, newspapers, Internet sources, and text.

FIN 2600 FINANCIAL INSTITUTIONS AND SIMULATION (3 credits)

Introduction to the commercial banking function and the operations and management of state and national banks. Emphasis on the general management functions, with special attention to management of deposits, loans, investments, liquidity, trusts, and other service functions. A bank simulation is included as a practical application of banking principles, including information provided by banks, competitors, and bank regulatory agencies.

Prerequisite: ACC 2410

FIN 3010 FINANCIAL MANAGEMENT (3 credits)

Study of the theoretical and conceptual framework financial managers use to reach decisions. Particular emphasis is given to the finance function and its relevance to the management of an enterprise. Analysis, problem solving techniques, and decision-making tools are emphasized. Differences between multinational and domestic financial management, such as currencies, political, and economic risks are discussed. Stocks, bonds, and interest rates are evaluated as they relate to the basic financial analysis of investments.

Prerequisite: ACC 2415

FIN 3210 FINANCIAL MANAGEMENT (3 credits)

Required for students seeking a degree with a major or concentration in finance or accounting or is recommended for those students pursuing a minor in accounting or finance. Study of the theoretical and conceptual framework financial managers use to reach decisions. Particular emphasis is given to the finance function and its relevance to the management of an enterprise. Analysis, problem solving techniques, and decision-making tools are emphasized. Differences between multinational and domestic financial management, such as different currencies, political, and economic risks are discussed.

Prerequisite: ACC 2415

FIN 3600 REAL ESTATE FINANCE & ANALYSIS (3 credits)

A comprehensive overview of the various types of real estate markets in the United States and how purchases and sales are financed. Students examine both standard and creative financing/structuring techniques used with residential real estate and income real estate properties. Purchase, sale, lease, and underwriting issues as well as real estate investment analysis techniques will be fully explored. The effects of market and economic conditions on the real estate markets are analyzed.

Prerequisite: FIN 3010 or 3210

FIN 3710 TIMBERWOLF INVESTMENT FUND I (1 credit)

Emphasis is placed on building the skills necessary to review, manage, and invest an investment fund. Each student will be a part of a team responsible for the development/review of the fund's investment policy statement, fundraising to raise capital for growing the investment fund, review of existing and potential investments, and presentation of group's results to the fund's stakeholders.

Prerequisite: 90 credit hours & 3 credit hours of FIN

FIN 3720 TIMBERWOLF INVESTMENT FUND II (1 credit)

Emphasis is on continuing development of skills necessary review, manage, and invest an investment fund. Each student will be a part of a team responsible for the development/review of the fund's investment policy statement, fundraising to raise capital for growing the investment fund, review of existing and potential investments, and presentation of group's results to the fund's stakeholders. Students who have taken FIN 3710 will naturally have more experience and serve to mentor those students taking the FIN 3710 course for the first time.

Prerequisite: FIN 3710

FIN 3730 TIMBERWOLF INVESTMENT FUND III (1 credit)

Emphasis is on continuing development of skills necessary review, manage, and invest an investment fund. Each student will be a part of a team responsible for the development/review of the fund's investment policy statement, fundraising to raise capital for growing the investment fund, review of existing and potential investments, and presentation of group's results to the fund's stakeholders. Students who have taken FIN 3720 will further utilize their developed skills and experience to lead their colleagues who are taking FIN 3710 and 3720.

Prerequisite: FIN 3720

FIN 3750 CAPITAL MARKETS & ANALYSIS (3 credits)

An introduction to the basics of investing with emphasis on equities, debt, preferred stocks, convertible securities, rights and warrants, options, mutual funds, and fixed and variable annuities. The market on which each is traded, as well as fundamental and technical analysis, will be researched.

Prerequisite or co-requisite: FIN 3210

FIN 3760 ASSET MANAGEMENT (3 credits)

Continuation of FIN 3750 with particular emphasis on the intricate nature of assets contained in sophisticated securities. Concentration will be on the management of portfolios with special emphasis on growth strategies, income strategies, retirement planning, tax-advantaged investing, stock brokerage trends, and overall financial planning.

Prerequisite: FIN 3750

FIN 3850 SPECIAL TOPICS (1-3 credits)

Various topics in finance. These may be one-time or occasional course offerings.

Prerequisite: Dependent on specific course content

FIN 3990 INTERNSHIP (3 credits)

The internship (a minimum of 150 hours) is designed to provide the student with supervised on-the-job training. A contract between the University, student, and employer provides the groundwork. Objectives, evaluations, written log, and a study of the organization are designed to provide a realistic learning experience.

Prerequisite: Department chair approval

FIN 4010 INTERNATIONAL FINANCE (3 credits)

This course is designed to give an overview of the theories and principles of global financial management. It covers such topics as international financial markets, currency and derivatives, exchange rate parity conditions, currency risk exposure management, international capital budgeting, international trade financing and international taxation.

Prerequisites: FIN 3010 or FIN 3210 and ECN 3000

FIN 4100 CHARTERED FINANCIAL ANALYST (CFA) TOPICS (3 credits)

Emphasizes various finance topics contained in the course of study for the CFA designation. This designation is a rigorous three- year graduate program of study desired by experienced financial professionals. It is considered to be the ultimate credential for the financial professional throughout the industry. Finance majors who aspire to become an analyst and/or the corporate fields should take this course.

Prerequisite: FIN 3760; **Co-requisite:** FIN 4550

FIN 4150 CERTIFIED FINANCIAL PLANNER (CFP) TOPICS (3 credits)

Emphasizes various topics contained in the course of study for the CFP designation. The CFP designation is an industry program of study that is desired by those selling financial planning services, and is usually taken soon after beginning one's career. The CFP is a necessary credential for the financial planner throughout the financial planning industry. Students who aspire to becoming a personal financial planner should take this course.

Prerequisite: FIN 3010 or 3210

FIN 4230 PERSONAL FINANCIAL PLANNING (3 credits)

This course will introduce the basic financial planning tools that are needed to acquire a comfortable financial life in the future. Skill topics will include saving, non-retirement and retirement investing, mutual fund/stock investments, house purchasing/renting, and changing the financial plan as the student's career and family situations advance throughout life. Courses offered for more than one credit will delve further into the course topics based on the number of credit hours.

Prerequisite: 90 credit hours completed

FIN 4550 CORPORATE INVESTMENT DECISIONS (3 credits)

Emphasizes case/discussion methods to develop an in-depth expansion on the basic concepts presented in FIN 3010/3210. This course extends the financial analysis of a business to valuing complex capital budgeting and corporate strategies. Issues such as building the financial component of a business plan and using financial management techniques to identify corporate problems/opportunities and fix or pursue them. Options for various capital structures and the financing thereof are pursued in depth.

Prerequisite: FIN 3010 or 3210

FIN 4850 CORPORATE FINANCING DECISIONS AND VALUATION (3 credits)

A capstone finance course that builds on the financial concepts learned in previous courses and presents an integrated approach to corporate financing decisions and corporate valuation. This is a case discussion and application course covering various financing and valuation approaches and the application of these methodologies in the contemporary business environment.

Prerequisite: FIN 4550

FRANCHISING MANAGEMENT (FRA)**FRA 1010 PRINCIPLES OF FRANCHISING (3 credits)**

This course is an overview of the concepts and principles of franchising as they pertain to the economic sustainability of both the domestic and global markets. In route, students will study the history and development of franchising models and businesses derived from those models, including single-unit and multi-unit franchises. The importance of operations manuals will be cover as well. International franchising is introduced as a viable means for start-up franchises, as well as expansion of existing franchise businesses. Students will learn the proper franchising terminology so that they will be able to converse intelligently throughout the franchising community.

FRA 3000 FRANCHISING LAW AND COMPLIANCE ISSUES (3 credits)

Overview of specific legal and compliance issues in franchising and franchise business structure, including contractual negotiations, human resource management, environmental compliance, liability, and federal and state law regarding disclosure documents. Case law, as well as case studies of legal and compliance issues will be used to illustrate developments and legal precedents in franchises. **Prerequisites:** FRA 1010 and LAW 3000

FRA 3990 INTERNSHIP (3 credits)

The internship (a minimum of 150 hours) is designed to provide the student with supervised on-the-job training. A contract between the University, student, and employer provides the groundwork. Objectives, evaluations, written log, and a study of the organization are designed to provide a realistic learning experience.

Prerequisite: Department chair approval

FRA 4100 INTERNATIONAL FRANCHISING (3 credits)

Examines the history and role of international franchising, including the growth of overseas franchising and the legal requirements for international franchises. Includes an overview of the role of culture, local requirements and local markets in successful franchise operations. Case studies of successful international franchising are part of the course as well.

Prerequisite: FRA 3000

FRA 4200 CURRENT ISSUES AND TRENDS IN FRANCHISING (3 credits)

This course gives an overview of contemporary issues and trends in franchising. Includes contemporary developments in franchising strategy, operations, legal issues, finance, marketing and management of franchises. Explores new markets for franchising and career opportunities in contemporary franchising, including multi-unit franchises.

Prerequisite: FRA 4100

HEALTH CARE MANAGEMENT (HCM)**HCM 1100 INTRODUCTION TO HEALTH CARE LEADERSHIP AND MANAGEMENT (3 credits)**

Overview of key issues in the management and administration of comprehensive health care facilities. Focuses on the administrator's relationship to the medical and nursing professions and assesses the attributes of the various types of health service organizations.

HCM 1150 COMPARATIVE HEALTH CARE ECONOMICS & FINANCE (3 credits)

Examines how health care is financed in the U.S., including the rising percent of GDP and public versus private funding. Covers historical trends, spending breakdowns, and comparisons to international health care systems.

HCM 2010 ECONOMICS OF HEALTH CARE (3 credits)

Analysis of economic factors bearing on the costs and affordability of health care. Covers public perceptions, attitudes, and political pressures as they affect demand for health services; reimbursement policies shaping service delivery; competition and alternative delivery systems; managed care and other government and private payer attempts to control costs; and overview of the medical cost containment crisis.

HCM 2020 CULTURE, LANGUAGE & TERMINOLOGY IN HEALTH CARE (3 credits)

Analysis of problems and issues associated with management of health care organizations and distinguishes between various types of organizations. Understanding of culture and behavior patterns that characterize health care, with emphasis on implications for administration of health care institutions. Development of skills to identify and mitigate common causes of conflict in healthcare organizations. Understanding of the healthcare environment through the learning of medical terminology and incorporation of the correct terms in communications.

HCM 2030 HISTORY OF HEALTH CARE MANAGEMENT (3 credits)

Students will have the opportunity to follow the strategic trends of the health care industry since its entry into the business arena. An assessment of post-World War II changes in health care, managed care, and managed competition will be addressed. Changes in incentives for physicians, hospitals, and health care providers will be discussed. An assessment of new technology and techniques introduced into the health care industry will also be addressed.

HCM 2100 REGULATIONS AND POLICY (3 credits)

Introduces the policies, laws, and regulatory frameworks that shape health care delivery in the United States. Emphasizes compliance and the role of health care managers in navigating regulatory environments.

HCM 2500 WORKFORCE IN HEALTH CARE (3 credits)

Explores the critical aspects of forecasting, planning, staffing, and human resource management to optimize the health care workforce. Examination of the roles of workforce development and motivation in health care settings is emphasized.

HCM 3000 HEALTH CARE ACCOUNTING, BUDGETING AND FINANCIAL MANAGEMENT (3 credits)

Application of accounting, budgeting and financial management concepts and techniques to managerial decision making in the health care industry. Examines how private and public agencies determine program priorities, allocate resources to execute programs and obtain funds through taxation, bond issues, and other means. Explores cash flow problems related to third-party payments. Uses case study analysis to determine financial techniques and reporting for health care providers.

Prerequisite: FIN 3010

HCM 3030 HUMAN RESOURCE MANAGEMENT FOR THE HEALTH CARE INDUSTRY (3 credits)

Analyzes special problems of forecasting, planning, staffing, and developing human resource management in health care institutions. Explores legal aspects of human resource management and administration in the industry with an emphasis on compliance.

HCM 3040 LEGAL AND ETHICAL ISSUES IN HEALTH CARE (3 credits)

Basic principles of law applicable to the healthcare business world, emphasizing Government organizations, tort laws and reforms, criminal aspects of healthcare, contracts and antitrust, civil procedure and trial practice, corporate structure, medical staff and malpractice, information management and patient records, patient consent and rights, managed care and national health insurance and legal reporting requirements.

Prerequisite: LAW 3000

HCM 3050 PRIVATE AND PUBLIC PAYORS (3 credits)

Examines the financial structure of public and private payors. Topics include exploration of how payment models and reimbursement structures across various settings in relation to value, access, and quality of care.

HCM 3150 INNOVATION, DATA & INFORMATION TECHNOLOGY IN HEALTH CARE (3 credits)

Explores the role of innovation, big data, and information technology in transforming health care delivery, including telehealth and digital tools. This course focuses on data analytics, interoperability, health IT regulations, and emerging technologies as applicable to population health outcomes and the use of data-driven strategies to promote health care equity.

HCM 3850 SPECIAL TOPICS (1-3 credits)

Various topics in health care management. These may be one-time or occasional course offerings.

Prerequisite: Dependent on specific course content

HCM 3200 ETHICS AND LAW IN HEALTH CARE (3 credits)

Emphasizes assessment and evaluation of concepts related to ethics and legal principles that affect health care delivery and patient outcomes. Topics include review of frameworks and models for decision-making.

HCM 3300 ACCOUNTING AND BUDGETING (3 credits)

Examines fundamental accounting, budgeting, and financial management concepts to health care organizations. Topics include budget development, cost control, financial reporting, and the use of financial data in decision-making.

HCM 3990 INTERNSHIP (3 credits)

The internship (a minimum of 150 hours) is designed to provide the student with supervised on-the-job training. A contract between the University, student, and employer provides the groundwork. Objectives, evaluations, written log, and a study of the organization are designed to provide a realistic learning experience.

Prerequisite: Department chair approval

HCM 4010 HEALTH CARE QUALITY MANAGEMENT (3 credits)

Comprehensive examination of those systems that measure and maintain quality in health care. Continuous improvements of the Total Quality Management discipline as it applies to health care.

HCM 4020 CURRENT TOPICS IN HEALTH CARE MANAGEMENT (3 credits)

The analysis, discussion, and reporting from current literature of significant trends, controversial issues affecting health care, and application of advanced decision-making techniques to those issues.

HCM 4030 MARKETING MANAGEMENT FOR THE HEALTH CARE INDUSTRY (3 credits)

Application of marketing concepts and techniques within and to health care institutions. Comprehensive overview of market analysis for new and on-going products and services.

HCM 4060 INDUSTRY TRENDS IN HEALTH CARE MANAGEMENT (3 credits)

This capstone course for Health Care Management majors focuses on the application of the principles, concepts, and theories underlying the discipline. Emphasis is on the application of high-ordered thinking and decision-making techniques regarding industry trends in Health Care Management.

Prerequisites: HCM 3000, HCM 4010, HCM 4030

HCM 4100 QUALITY MANAGEMENT (3 credits)

Examines systems, processes, and tools used to measure and improve quality in health care organizations. Emphasizes performance improvement methodologies, patient safety initiatives, and the role of leadership in sustaining quality outcomes.

HCM 4200 HEALTH CARE MANAGEMENT CAPSTONE (3 credits)

Focuses on the strategic application of core principles, concepts, and theories in health care management. Emphasis is placed on leveraging disruptive innovations, data analysis, and solutions to drive quality and efficiency.

Prerequisite: HCM 3150, HCM 4100 and HCM 3300 previous or concurrent

HISTORY (HIS)

HIS 2100 FOUNDATIONS OF THE MODERN WORLD I (3 credits)

Introduces students to the historical development of Western civilization and its traditions. Major themes include the evolution of social, economic, religious, and political systems to fit the changing conditions of each age, and the expression of changing values and beliefs through intellectual and artistic endeavors. The course traces the development of Western civilization from ancient Near Eastern cultures to the beginning of the modern era in the 1600s.

HIS 2150 FOUNDATIONS OF THE MODERN WORLD II (3 credits)

Introduces students to the historical development of Western civilization and its traditions. Major themes include the evolution of social, economic, religious, and political systems to fit the changing conditions of each age, and the expression of changing values and beliefs through intellectual and artistic endeavors. The course traces the development of Western civilization from the beginning of the modern era in the 1600s to the present.

Prerequisites: HIS 2100

HIS 2175 THE HISTORY OF THE UNITED STATES OF AMERICA (3 credits)

The history of the United States is presented beginning with the European background and first discoveries. The pattern of exploration, settlement, and development of institutions is followed throughout the colonial period and the early national experience. The course continues through the Civil War, Reconstruction, the 19th, 20th, and 21st centuries and the development of the United States as a world power. The study includes social, cultural, economic, intellectual, and political aspects of American life.

Prerequisite: ENG 1200

HIS 2200 EARLY US HISTORY (3 credits)

This course will focus on the major political, economic and cultural developments in American history to 1865. A variety of historical documents, including maps, newspapers and political cartoons will also be examined.

HIS 3010 THE FOUNDING OF THE AMERICAN REPUBLIC (3 credits)

Covers the historical development of the United States from colonial times through the beginning of the 19th century, with emphasis on the historical context of the Declaration of Independence and the U.S. Constitution as examples of the unique expressions of American political, social, and economic systems. The course will focus on primary sources and on selected individuals who helped formulate these ideals.

Prerequisite: HIS 2150 or HIS 2160

HIS 3100 AFRICANS IN AMERICA 1607 – 1861 (3 credits)

Examines the experiences of Africans in America from the founding of the first colonies to the Civil War as evidenced through the historical, economic, political, social, religious, and literary values of the period. The course is focused on democracy, economics, freedom, leadership, identity, race, and racism from 1607 to 1861.

HIS 3130 THE AMERICAN CIVIL WAR AND RECONSTRUCTION (3 credits)

Examines the American Civil War, including its causes, the military, political, social and economic aspects of the war, and its continuing legacy. The course also covers Reconstruction following the war.

Prerequisite: 60 credit hours completed

HIS 3150 THE ERA OF THE VIETNAM WAR (3 credits)

Examines the Vietnam War, including its causes, the military, political, social and economic aspects of the war, and its continuing legacy for both Vietnam and the United States.

Prerequisite: 60 credit hours completed

HIS 3850 SPECIAL TOPICS (1-3 credits)

Various topics in history. These may be one-time or occasional course offerings.

Prerequisite: Dependent on specific course content

HIS 4020 CONTEMPORARY GLOBAL ISSUES (3 credits)

An examination of the historical basis and context for contemporary global issues. Topics may include political, economic, scientific, technological, cultural, and social challenges.

Prerequisite: HIS 2150 or HIS 2175

HIS 4040 EUROPEAN CULTURAL HISTORY (3 credits)

Explores the development of European history and culture through focused visits to historical and cultural sites such as museums, historical parks, memorials, military sites, and cathedrals; and through film and performance. Taught during the annual Semester in Europe program.

Prerequisite: HIS 2100 or HIS 2150

HOSPITALITY, TOURISM & EVENT MANAGEMENT (HOS)

HOS 1010 INTRODUCTION TO HOSPITALITY, TOURISM & EVENT MANAGEMENT (3 credits)

Designed to build an understanding of the hospitality industry by examining the management skills needed to succeed in the industry. The student will also gain an insight in the development of the industry through popular trade magazines, guest speakers, and field trips.

HOS 1030 SANITATION (3 credits)

Provides foodservice personnel with basic sanitation principles; understanding personal hygiene; sanitizing of eating and drinking utensils; food bacteriology; emergency pathogens; prevention of illnesses; HACCP, accident prevention; employee training; sanitary and safe foodservice operation. Also includes information regarding alcohol: serving alcohol responsibly; safety of the customer, legalities of the employer, and lawsuits and violations of the state liquor code; how alcohol affects the body; the law and your responsibility; reasonable care; establishing policies and procedures; designing an alcohol responsible program; and checking age identification.

HOS 1031 SERVE SAFE ALCOHOL SEMINAR (1 credit)

Emphasis on alcohol law and the responsibility of the server. Includes information regarding alcohol: serving alcohol responsibly; safety of the customer, legalities of the employer, and lawsuits and violations of the state liquor code; how alcohol affects the body; the law and your responsibility; reasonable care; establishing policies and procedures; designing an alcohol responsible program; and checking age identification. Students will have the opportunity to earn the national Serve Safe Alcohol certification.

HOS 1032 FOOD SERVE SAFE CERTIFICATION (2 credits)

Provides foodservice personnel with basic sanitation principles; understanding personal hygiene; sanitizing of eating and drinking utensils; food bacteriology; emergency pathogens; prevention of illnesses; HACCP, accident prevention; employee training; sanitary and safe foodservice operation. Also includes information regarding alcohol: serving alcohol responsibly; safety of the customer, legalities of the employer, and lawsuits and violations of the state liquor code; how alcohol affects the body; the law and your responsibility; reasonable care; establishing policies and procedures; designing an alcohol responsible program; and checking age identification.

HOS 2010 APPLIED GLOBAL TOURISM I (3 credits)

This course introduces students to the foundational skills, workflows, and professional standards of the global hospitality, events, and tourism industry. Students will gain hands-on experience in either a domestic setting with a high proportion of international visitors or in a global setting. Students participate in event operations including catering, event setup and breakdown, guest service, and customer support (150 hours minimum), with special emphasis on navigating cultural expectations and communication styles.

Prerequisite: Department chair approval

HOS 2015 APPLIED HOSPITALITY MANAGEMENT I (3 credits)

This course introduces students to the foundational skills, workflows, and professional standards of the hospitality, events, and tourism industry through immersive, hands-on experience (minimum of 150 hours). Students actively participate in the operations that support successful events, including catering, event setup and breakdown, client service, and day of execution. Emphasis is placed on developing an understanding of the event lifecycle, basic operational competencies, and teamwork within a service driven environment.

Prerequisite: Department chair approval

HOS 2040 PRACTICUM I (1 credit)

Designed to provide the student with supervised on-the-job training, exposure to organizational, management, internal workings, and services offered through an approved organization. A contract between the college, student, and employer provides the beginning groundwork. Goals, evaluations, a review of skill, and a study of the organization are designed to provide a realistic learning experience.

Prerequisite: 30 credit hours completed

HOS 2050 FOOD SERVICES (3 credits)

Designed to move the student through the various management steps involved in food service. Food production issues are studied from a managerial point of view. Standards in food production and beverage service are a focal area of the course. This course is designed to build the skills necessary to operate a successful and profitable food service operation.

HOS 2400 BEVERAGE MANAGEMENT (3 credits)

This course explores the dynamic world of beverage and bar operations of various wines, beers, and beverages from around the world, while focusing on the science of food and beverage pairing techniques for diverse cuisines. Class is to include beverage distribution and operations from producers to consumers while understanding the legalities of alcohol and operations in the U.S. This class will include managing beverage distribution, evaluating and elevating beverage types through mixology, and operational controls.

HOS 2500 FACILITIES AND OPERATIONS MANAGEMENT (3 credits)

The class covers the study of hospitality management operations reviewing development, pre-opening, marketing, human resources, departmental operations, and organizational structure. Includes work in training, staffing, work improvement techniques, motivating, organizing, planning, and scheduling. This course will also introduce the student to facilities engineering and why hospitality managers must be aware of basic engineering principles and tools to enable them to make decisions about their facility's operations.

HOS 2980 BEVERAGE SEMINAR (1 credit)

Exploration of various wines/beers from around the world. Class includes beverage evaluation and tasting for serious students who will benefit professionally from this knowledge. Primarily for Hotel/Restaurant students, but others will be considered.

HOS 3010 APPLIED GLOBAL TOURISM II (3 credits)

This course provides students with hands-on experience (minimum of 150 hours) working in the hospitality industry in an international location. Through immersive, in-country experience, students supervise aspects of event operations, adapt to new cultural norms, and communicate professionally within a cross-cultural workplace. Emphasis is placed on leadership, adaptability, cultural intelligence, and real-time problem-solving. This course prepares students for careers in global hospitality by strengthening their ability to work confidently and respectfully in international environments.

Prerequisite: HOS 2010

HOS 3015 APPLIED HSOPITALITY MANAGEMENT II (3 credits)

This course builds on the skills learned in Applied Hospitality Management I with a greater emphasis on leadership and management. Students in this course will take more of a leadership role in the planning, execution, and coordination of events. Through hands-on practice (minimum of 150 hours), students will strengthen their supervision, task delegation, problem-solving, and professional communication skills. This course prepares students for internships, and future careers in hospitality, events, and tourism.

Prerequisite: HOS 2015

HOS 3040 PRACTICUM II (1 credit)

Designed to provide the student with supervised on-the-job training, exposure to organizational, management, internal workings and services offered through an approved agency. A contract between the university, the student, and the employer provides the beginning groundwork. Goals, evaluations, a review of skill and a study of the organization are designed to provide a realistic learning experience.

Prerequisite: 30 credit hours completed

HOS 3050 HOSPITALITY OPERATION MANAGEMENT (3 credits)

The class covers the study of broad-based hotel and motel management operations reviewing development, pre-opening, marketing, departmental operations, and organizational structure. Includes work in training, staffing, work improvement techniques, motivating, organizing, planning, and scheduling.

HOS 3100 RESORT & CLUB MANAGEMENT (3 credits)

Introduces the student to these exciting and dynamic segments of the industry and the many challenges in operations. Students will explore the many career choices available after visits to various properties and the behind-the-scenes look at how they are run.

HOS 3200 INNOVATIVE HOSPITALITY MODELS (3 credits)

This course is designed to build understanding of the business model and the use of the central tools of the business model canvas within the context of the hospitality industry. The main theories relating to the generation of innovation will be considered and their strategic importance to entrepreneurship assessed. Students will examine the evolution of the new business model within hospitality management during the 21st century, with reference to the changes within real estate management. Students will also be able to practice their design thinking and the use of storytelling through development of a business model for a new business.

Prerequisite: HOS 1010

HOS 3850 SPECIAL TOPICS (1-3 credits)

Various topics in hotel, restaurant, and resort management. These may be one-time or occasional course offerings.

Prerequisite: Dependent on specific course content

HOS 3990 INTERNSHIP (3 credits)

The internship (a minimum of a 150 hours) is designed to provide the student with supervised on-the-job training. A contract between the University, student, and employer provides the groundwork. Objectives, evaluations, written log, and a study of the organization are designed to provide a realistic learning experience.

Prerequisite: Department chair approval

HOS 4020 GLOBAL TOURISM & EVENT STRATEGIES (3 credits)

Designed to explore the global tourism and event industry. This course will examine the interconnected components of tourism and events, including the traveling public, tourism promoters, service suppliers, and the external environment influencing the industry. Additionally, students will analyze the relationship between tourism and event management, focusing on how events drive tourism, enhance visitor experiences, and contribute to economic and destination development.

HOS 4050 HOSPITALITY COSTING, PRICING, AND FINANCIAL MANAGEMENT (3 credits)

Designed to move the student through the various management steps involved in developing a financially successful hotel, restaurant, resort, spa or other hospitality business. This course presents methods and principles for accurately pricing goods and services, controlling costs, and maximizing profits. Hotels, restaurants, and resorts are studied from a managerial point of view to keep costs low and margins high. Budgeting and financing standards set in the hospitality industry are a focal area of the course. **Prerequisite:** FIN 3010 or FIN 3210

HOS 4100 HUMAN RESOURCES APPLICATION (3 credits)

Strong human resource management is critical for the survival of any company. This course will discuss and highlight ways that the new or even experienced manager can stay ahead of the workforce challenges. Current articles and group projects will supplement the classroom experience.

HOS 4150 INTERNATIONAL TOURISM (3 credits)

Focuses on the economic, social, cultural, and environmental considerations of international travel and tourism. The course is designed to create sensitivity to and an awareness of the differences in cultures in regard to a worldview of hospitality management.

HOS 4180 SPECIAL EVENTS AND MEETING PLANNING (3 credits)

Provides students with the basic understanding of the management process as it relates to planning and operation of special events and meetings. This course is designed to develop skills, strategies, knowledge, and understanding about planning, organizing, scheduling, marketing, and implementing meetings and special events for various groups.

HOS 4200 TOURISM AND EVENTS MANAGEMENT (3 credits)

This course synthesizes operational, leadership, and strategic competencies through advanced, hands-on engagement in hospitality and event environments. Students apply business principles, ethical decision-making, and problem-solving skills in the execution and management of real-world hospitality and event initiatives. Emphasizing experiential learning, industry partnerships, and sustainability, the course prepares graduates to enhance guest experiences and lead effectively in the hospitality and tourism industry.

HOS 4500 HOSPITALITY LEADERSHIP (3 credits)

Explores the dynamics and implications of current societal and professional issues while developing leadership styles and identifying current trends. The course focuses on examining current trends that will impact the profession and help students understand the relevance of trends to their professional development.

HUMANITIES (HUM)**HUM 1020 INTRODUCTION TO WORLD CULTURES AND CUSTOMS (3 credits)**

This course is an exploration of cultural values and their expression, and the theories and tools with which to compare and contrast them in a diversity of cultural contexts. The course will involve an introduction to cultural anthropology with particular emphasis on oral history, cultural relativity, folk tradition, socialization, colonization and the political struggles of indigenous and culturally marginalized people.

HUM 2010 SURVEY OF THE FINE ARTS IN WESTERN CULTURE (3 credits)

A survey course designed with an emphasis on the study and appreciation of the Visual Arts and Architecture of Western Culture. This course focuses on the study and appreciation of the fine arts and the ways in which they reflect the values of civilizations.

HUM 3010 IDEAS THAT SHAPED AMERICA (3 credits)

Explores ideas from America's European heritage that shaped modern America.

HUM 3020 SURVEY OF WESTERN ART (3 credits)

Explores Western art through first-hand visits to European cultural centers and classroom lectures during the Semester in Europe Study Abroad program.

HUM 3100 CREATIVITY (3 credits)

An overview of the creative process and its relationship to both personal and professional achievement. Theories of creativity are summarized, covering such topics as the creative personality, creative problem solving, and creative team work. Students will acquire the resources and techniques for stimulating creative thinking and facilitating creative problem solving. The course will encompass both individual and group exercises to stimulate creative thinking.

Prerequisite: 60 credit hours completed

HUM 3110 THE SEARCH FOR MEANING THROUGH THE HUMANITIES (3 credits)

An examination of the human search for meaning through perennial questions and their possible answers as expressed in intellectual, artistic, and social endeavors.

Prerequisite: 60 credit hours completed

HUM 3120 INTRODUCTION TO ART (3 credits)

A survey of visual media, past and present, with particular emphasis on expressionism and realism and how they mirror society. Technique as well as theory is covered.

Prerequisite: 60 credit hours completed

HUM 3130 INTRODUCTION TO MUSIC (3 credits)

The study of music from the past and present, and its impact on our culture. Included is a survey of music from historical periods and the relationship of this auditory art form to other areas of the humanities.

Prerequisite: 60 credit hours completed

HUM 3140 INTRODUCTION TO MODERN ART (3 credits)

A chronological survey of major art movements beginning with Romanticism and culminating in the most recent developments in painting and sculpture.

Prerequisite: 60 credit hours completed

HUM 3150 INTRODUCTION TO FILM ART (3 credits)

A survey of past and present films with particular emphasis on the elements of form and style. A history of film and survey of genres and styles is included.

Prerequisite: 60 credit hours completed

HUM 3200 CRITICAL APPRECIATION OF THE ARTS (3 credits)

Focuses on the special role of the arts: painting, sculpture, architecture, literature, drama, music, dance, film, and photography as forms of human expression. Attention is given to definitions of art and various critical approaches to the arts in order to establish a foundation for critical response.

Prerequisite: 60 credit hours completed

HUM 3210 GENERAL HUMANITIES (3 credits)

Beginning with the advent of the Renaissance, this course traces the humanistic aspects of our intellectual development, as that development is manifested in painting, sculpture, architecture, music, literature, philosophy, political theory, and spiritual experience.

Prerequisite: 60 credit hours completed

HUM 3220 DESIGN PRINCIPLES (3 credits)

Exploration of human reaction to visual stimuli and the role of design to solve problems and make decisions in business and personal life. The goal is that students will make better functional, practical, and economic visual judgments.

Prerequisite: 60 credit hours completed

HUM 3230 UNDERSTANDING WESTERN ARCHITECTURE (3 credits)

This course is a comparative examination of the built environment as a cultural, technological, and artistic achievement. Basic design and technical concepts that allow buildings to stand up will be explored. In addition, the history of architectural development in the West, from prehistoric times to the present, will be surveyed. The focus is on architecture as an expression of culture, a systematic statement of values.

Prerequisites: HIS 2100, HIS 2150

HUM 3500 HONORS SEMINAR (3 credits)

Critical study of various forms of artistic expression to sharpen students' ability to form divergent points of view.

Prerequisites: 60 credit hours completed and approval of academic dean

HUM 3850 SPECIAL TOPICS (1-3 credits)

Various topics in humanities. These may be one-time or occasional course offerings.

Prerequisite: Dependent on specific course content

INNOVATION MARKETING AND MANAGEMENT (IMM)

IMM 1100 FOUNDATIONS OF INNOVATION (3 credits)

The emphasis of the course is to explain the value and importance of innovation and its role in a competitive global economy. An introduction to the principles and concepts of innovation and the role of innovation in society in general basic skills and elements of the innovation process are described and practiced by reviewing the theoretical bases and models of innovation processes, as well as case studies of relevant innovations in business. Students will learn about science and technology based "megatrends" and identify areas attractive to them to practice innovation

IMM 4310 IDEAS TO MARKET (3 credits)

Students will design or re-design a product or service for a new or existing business. Emphasized concepts will include implementing innovation strategies and processes, identifying emerging opportunities, and transforming and sustaining society and business through innovation. Projects will incorporate collection and analysis of data to identify financial, manufacturing, distribution, and promotion channels.

Prerequisites: IMM 1100, ETR 2010 and MTH 3400 or MTH 3340

INSURANCE RISK MANAGEMENT (INS)

INS 1100 PRINCIPLES OF INSURANCE (3 credits)

Introduces the student to understanding the nature of risk and how insurance can manage risk. Overview of the insurance industry and its nature and structure and how insurance organizations are regulated. Case studies will be utilized in understanding the challenges of IRM and the role of regulation. Case studies will be used to evaluate the financial strength of industry organizations.

INS 1200 PRINCIPLES OF PERSONAL INSURANCE (3 credits)

Introduces the student to the concept of personal insurance studying life, health, disability and long term care insurance. The student gains the perspective of managing personal risk associated with personal insurances.

INS 2100 PRINCIPLES OF COMMERCIAL INSURANCE (3 credits)

Introduction to the concept of commercial insurance. The student will gain an understanding of insurance to manage commercial risk. Students will evaluate appropriate levels of coverage, and insurance contracts for greater understanding of insurance language. Course will cover property, liability, and auto.

INS 2500 CLAIMS AND UNDERWRITING (3 credits)

Students study how underwriters decide on the cost of the risk and price it accordingly. Actuarial science is studied in relationship to cost structure. Students learn how an offer is made to a prospective client by assessing and appraising the risk involved in the offer. Students will work on case studies to create underwriting scenarios using data and circumstances in real life situations in the pricing of insurance. The study of claims is designed to introduce students to the claims (property and liability) process, claims adjusting and extent of the companies' liability to the claimant. Special attention will be given to the two sides of claims, representation of the company and representation of the client (public adjusters).

Prerequisites: INS 1200 and INS 2100

INS 3000 AGENCY OPERATIONS (3 credits)

An overview of managing agency operations. Students will examine the operations in their entirety; claims, underwriting, reinsurance, finance, actuarial importance, insurance regulation and strategic planning for the insurance industry. Emphasis will be placed on regulatory compliance. Global markets will be studied as a means to understand competition and designing strategic plans to overcome the competition. Student teams will design and set up agencies.

Prerequisites: INS 1200 and INS 2100

INS 3100 STATE INSURANCE CODE (1 credit)

Designed to make students aware of how this code is designed and how it affects property insurance. Insurance code language is defined. Common insurance policy provisions are examined and explained. This class is mandatory for students taking the property insurance exam.

Prerequisite: INS 1200

INS 3400 COMMERCIAL MULTIPLE LINES INSURANCE (3 credits)

Students learn how to write large, complex commercial lines. Course topics include commercial general liability insurance, commercial automobile insurance, garage and motor carrier insurance, commercial crime insurance, business owners' insurance, other commercial coverages, workers compensation and employers liability, specialty insurance, commercial excess and umbrella liability insurance, and surety bonds. This course prepares students to sit for the AAI 82 Multiple Lines Insurance Production Exam, leading toward the insurance industry AAI Accredited Advisor in Insurance Designation.

Prerequisite: INS 2100

INS 3500 INTRODUCTION TO ACTUARIAL SCIENCE (3 credits)

An overview of actuarial science and its application to risk management. Students will be introduced to mathematical and statistical methods used to assess risk, and the role of actuarial science in the insurance industry.

Prerequisite: MTH 2310

INS 3990 INSURANCE INTERNSHIP (3 credits)

The internship (a minimum of 150 hours) is designed to provide the student with supervised on-the-job training. A contract between the University, student, and employer provides the groundwork. Objectives, evaluations, written log, and a study of the organization are designed to provide a realistic learning experience.

Prerequisite: Department chair approval

INS 4850 INSURANCE PROPOSALS AND NEGOTIATIONS (3 credits)

A capstone course that integrates holistic insurance risk management components to develop and negotiate proposals. Student teams will be presented with data and a situation that demands insurance protection. Students will design and build proposals to be presented to management for managing risk. Students will utilize software, financial formulas and negotiation skills to prepare their presentations. Strong emphasis in understanding the role of regulatory compliance and exposure to underwriting process.

Prerequisites: SPC 2050 and INS 3000

INTERNATIONAL BUSINESS (INB)**INB 1100 INTRODUCTION TO INTERNATIONAL BUSINESS (3 credits)**

This is a survey course that acquaints students with the salient components of the discipline and the curriculum. It covers the various functional areas of International Business such as trade, finance, law, management, and marketing. It also examines the importance of culture and its impact on human behavior, and brings home to students the importance of understanding cultural differences for the successful pursuit of a career in international business. The course introduces students to career opportunities in the international business field.

INB 3610 WORLD LANGUAGES & CULTURES I (3 credits)

This course introduces global language and cultural understanding frameworks. The course is designed for someone with no previous language study. Emphasis is placed on the acquisition and application of basic language skills in Spanish and French. Portuguese will also be introduced as a special feature language at mid semester. Students will learn language study through direct experiential exercises and building personalized digital flashcards. Languages will be introduced with a cultural history overview to deepen understanding and appreciation. Cultural comparisons and global competencies will be introduced via two frameworks that explore issues at the aggregate and individual levels.

INB 3620 WORLD LANGUAGES & CULTURES II (3 credits)

This class – the second in a four-semester course of study for students who have not previously studied a global language – will provide an introduction to global language and cultural understanding frameworks. Emphasis will be placed on the acquisition and application of basic language skills in Japanese and Chinese, with a mid-semester introduction to Korean as a special feature language. An overview of cultural history will deepen understanding and appreciation of these global languages. Students will participate in experiential exercises and will build personalized digital flashcards throughout the course. A focus will be given to Leadership in cross-cultural contexts and specifically in servant leadership.

INB 3630 WORLD LANGUAGES & CULTURES III (3 credits)

This class – the third in a four-semester course of study for students who have not previously studied a global language – will provide an introduction to global language and cultural understanding frameworks. Emphasis will be placed on the acquisition and application of basic language skills in German and Russian, with a mid-semester introduction to Italian as a special feature language. An overview of cultural history will deepen understanding and appreciation of these global languages. Students will participate in experiential exercises and will build personalized digital flashcards throughout the course. A focus will be given to Leadership in cross-cultural contexts and specifically in servant leadership.

INB 3640 WORLD LANGUAGES & CULTURES IV (3 credits)

This class – the last in a four-semester course of study for students who have not previously studied a global language – will provide an introduction to global language and cultural understanding frameworks. Emphasis will be placed on the acquisition and application of basic language skills in Hindi and Arabic, with a mid-semester introduction to Swahili as a special feature language. An overview of cultural history will deepen understanding and appreciation of these global languages. Students will participate in experiential exercises and will build personalized digital flashcards throughout the course. A focus will be given to Leadership in cross-cultural contexts and specifically in servant leadership.

INB 3850 SPECIAL TOPICS (1-3 credits)

Various topics in international business. These may be one-time or occasional course offerings.

Prerequisite: Dependent on specific course content

NOTE: The following are other required major courses in the interdisciplinary International Business curriculum:

ECN 3000 INTERNATIONAL TRADE (3 credits)

Examines the basis of trading among nations with emphasis on resources, foreign exchange, balance of payments, investments, tariffs, import quotas, export controls, nationalism, free trade, protectionism, and the institutions aiding in world trade.

Prerequisites: ECN 2210 and 2220

ECN 3410 COMPARATIVE ECONOMIC SYSTEMS (3 credits)

An analysis of the various systems of economic organization; comparison of socialist methods of economic management with the operations of the market economy; overview of the current economies of several nations.

Prerequisites: ECN 2210 and 2220

FIN 4010 INTERNATIONAL FINANCE (3 credits)

A comprehensive overview of the international monetary system in terms of its institutional structure, participants and their motivations, markets, and products, as well as currency exposure and techniques in risk management.

Prerequisites: FIN 3010 or FIN 3210 and ECN 3000

LAW 4050 INTERNATIONAL LAW (3 credits)

Overview of the international legal environment, including an emphasis on common and code law systems and their impact on the conduct of international business. Explores international jurisdiction, world legal agreements and bodies, treaty agreements, and treaty law.

Prerequisites: LAW 3000 and ECN 3000

MGT 4030 INTERNATIONAL MANAGEMENT (3 credits)

Familiarizes students with the evolution of the multi-national enterprise over the past century and addresses the challenges today's managers of such enterprises. Discusses the various aspects of the complex task of managing and leading a multi-national enterprise such as strategy formulation, structuring organizations, liaising with external stakeholders, ensuring ethical conduct, and providing inspirational leadership. Knowledge and skills are imparted through the use of experiential learning tools such as simulations and case discussions.

Prerequisites: MGT 2300 and MKT 2080

MKT 3100 INTERNATIONAL MARKETING (3 credits)

Addresses global issues challenging today's international marketer. Discusses the various strategic, tactical, and operational components of the international marketing function. Explores in detail the practical aspects of international marketing such as exports and imports, international marketing research, and the development of a comprehensive marketing plan.

Prerequisites: MKT 2080

LAW (LAW)

LAW 2800 MOCK TRIAL I (1 credit)

Emphasis is placed on building the skills necessary to compete in American Mock Trial Association Invitational Tournaments. Each student will be a part of a team responsible for the development of a case to be tried in a court of law including opening statement, introduction of testimony, physical, and demonstrative evidence, direct and cross examination of witnesses, closing arguments, etc. Students will participate in competitions both on and off campus.

LAW 2810 MOCK TRIAL II (1 credit)

Emphasis is on continuing development of skills necessary to compete in regional American Mock Trial Association Invitational Tournaments. Students who have taken LAW 2800 will have already competed at invitational tournaments sponsored by the American Mock Trial Association. During this course, as a member of the Regional Team, students will perform the same skills introduced in the LAW 2800 course at a higher level. Students will participate in competitions both on and off campus.

Prerequisite: LAW 2800

LAW 2820 MOCK TRIAL III (1 credit)

Emphasis is on continuing development of skills necessary to compete in the national American Mock Trial Association Invitational Tournament. Students who have taken LAW 2800 will have competed at Invitational Tournaments and those who have taken LAW 2810 will have competed at the Regional Tournament. During this course, as a member of the Regional, National and Championship Team(s), students will consistently perform the skills introduced in LAW 2800 and LAW 2810 at a higher level reflecting their prior experience. Students will participate in competitions both on and off campus.

Prerequisites: LAW 2810

LAW 2830 MOCK TRIAL IV (1 credit)

Emphasis is on continuing development of skills necessary to compete in the national American Mock Trial Association Invitational Tournament. Students who have taken LAW 2800 will have competed at Invitational Tournaments and those who have taken LAW 2810 and LAW 2820 will have competed at the Regional Tournament. During this course, as a member of the Regional, National and Championship Team(s), students will consistently perform the skills introduced in the other Mock Trial courses at a higher level reflecting their prior experience. Students will participate in competitions both on and off campus.

Prerequisites: LAW 2820

LAW 3000 BUSINESS LAW I (3 credits)

Basic principles of law applicable to the business world emphasizing ethics, the U.S. judicial system, contracts, sales, property, agency, and business organizations. The goal of the course is to provide the basic knowledge and understanding of legal theories and practical applications of rules/laws as they pertain to the decision-making aspects of administration and professional conduct in business.

LAW 3025 BUSINESS LAW FOR ACCOUNTING MAJORS (3 credits)

The course will focus on two main areas. First, the course will undertake a critical exploration and examination of the regulation of the accounting profession. This will include research, application, and evaluation of the regulation of for-profit financial accounting, auditing of private and public entities, not-for-profit financial accounting, and taxation. Second, students will focus on specific areas of business law most applicable to the practicing accountant, including business organizations, securities law, and professional liability. Additionally, basic principles of law applicable to the business world, emphasizing contracts and sales, as well as period after sales, bailments, negotiable instruments, agency, partnerships, corporations, insurance, and real estate will be examined.

LAW 3030 ADVANCED MOCK TRIAL I (3 credits)

Provides upper-level students the opportunity to mentor and coach lower-level undergraduates who are preparing to participate in mock trial invitational. With guidance from the Director of the Mock Trial Program, students enrolled in LAW 3030 share the various strategies, skills, best practices, techniques, and procedures they have learned in their own mock trial experiences. Emphasis is placed on students modeling how to use knowledge of public policy and governance to influence regulatory and legal change as engaged citizens.

Prerequisites: LAW 2080, 2081, 2082 and instructor approval

LAW 3031 ADVANCED MOCK TRIAL II (3 credits)

Provides upper-level students the opportunity to mentor and coach lower-level undergraduates who are preparing to participate in mock trial tournaments sponsored by the American Mock Trial Association. With guidance from the Director of the Mock Trial Program, students enrolled in LAW 3031 share the various strategies, skills, best practices, techniques, and procedures they have learned in their own mock trial experiences. Emphasis is placed on students modeling how to use knowledge of public policy and governance to influence regulatory and legal change as engaged citizens.

Prerequisites: LAW 3030 and instructor approval

LAW 3050 BUSINESS LAW II (3 credits)

An in-depth study of law with special emphasis on those points of law that would be of particular importance to students planning careers in accounting, especially those considering qualifying as Certified Public Accountants. Provides students with the basic knowledge and understanding of legal theories and practical applications of rules/laws as they pertain to the decision-making aspects of administration and professional conduct of business, especially in the accounting industry.

Prerequisite: LAW 3000 or LAW 3025

LAW 3200 ENVIRONMENTAL POLICY (3 credits)

This course will provide an overview of environmental law, regulation and international policies, focused on those areas that directly impact on commercial and industrial enterprise. The course will also help students understand the relationship between environmental protection and societal, political, economic and ethical concerns that shape regulatory policy.

Prerequisite: LAW 3000

LAW 3500 COMMERCIAL AND REAL ESTATE LAW (3 credits)

This course provides an overview of real estate transactions and acquisitions for commercial real estate, including site selection, appraisals, purchase contracts, lease negotiations and contracts, mortgage financing, loan documentation, escrows and titles. Transactions related to franchise agreements will be a specific feature of the course.

Prerequisite: LAW 3000

LAW 3850 SPECIAL TOPICS (1-3 credits)

Various topics in law. These may be one-time or occasional course offerings.

Prerequisite: Dependent on specific course content

LAW 4050 INTERNATIONAL LAW (3 credits)

Overview of the international legal environment, including an emphasis on common and code law systems and their impact on the conduct of international business. Explores international jurisdiction, world legal agreements and bodies, treaty agreements, and treaty law.

Prerequisites: LAW 3000 and ECN 3000

LEADERSHIP (LDR)**LDR 1110 THE NU EXPERIENCE (1 credit)**

Focuses on building a strong foundation for academic and personal success at Northwood University. Students develop skills, knowledge, and attitudes necessary to acclimate to the university academic and social environment.

LDR 1200 INTRODUCTION TO LEADERSHIP (3 credits)

Introduces students to key concepts, theories and styles of effective leadership. The course will explore how each theoretical approach can be applied in a business environment. Concepts will be applied using case studies and self-assessments.

LDR 1300 PROFESSIONAL BRANDING & PLANNING (1 credit)

Equips students to strategically position themselves in the job market. Students define their personal professional brand, learn to create compelling job application documents, and apply their campus experiences to their career goals.

LDR 2250 EMERGING LEADERS (1 credit)

Introduces leadership theories, skills, and practices, with a focus on preparing students to become effective leaders on Northwood University's campus and in the surrounding community. Students apply leadership and management skills through experiential learning activities aimed at honing their leadership development.

LDR 2800 CAMPUS LEADERSHIP I (1 credit)

Focuses on foundational skills necessary to effectively lead teams toward support of organizational objectives. Students with a leadership role in a campus student-led event work with Faculty Advisors and advisory council mentors to identify and achieve event goals and outcomes. Students gain insight into how intentional leadership experiences can effectively support their academic, personal, and professional aspirations.

Prerequisite: Faculty Advisor approval

LDR 2810 CAMPUS LEADERSHIP II (1 credit)

Emphasizes leadership development through integration of the study of leadership with campus leadership activities. In advanced positions of campus student-led event leadership, students will develop critical skills to transform their leadership style in practice.

Prerequisite: Faculty Advisor approval

LDR 2820 CAMPUS LEADERSHIP III (1 credit)

Promotes advanced leadership development through active participation in campus event activities. Students who hold executive-level positions in campus organizations and for student-led events participate to apply leadership theory to implementation of leadership practices. Self-evaluation and measurement of goal achievement foster reflection for continued academic, personal, and professional growth.

Prerequisite: Faculty Advisor approval

LDR 3200 LEADERSHIP ESSENTIALS (3 credits)

Discover the core principles of effective leadership. Explore leadership styles, self-management, growth mindset, and trust-building within a leadership role. Gain the skills to lead teams, influence others, and foster a positive work environment across a diverse array of industries. Unlock your leadership potential and excel in diverse industries.

Prerequisite: MGT 2300

LDR 3500 CONFLICT RESOLUTION & PROBLEM SOLVING (3 credits)

Develop essential skills to effectively manage conflicts and solve problems in personal and professional settings. This course emphasizes critical thinking, communication, negotiation, and mediation skills for successful conflict resolution and innovative problem-solving. Explore theoretical frameworks and practical approaches, analyze conflicts, identify root causes, and apply strategies for resolution. Gain techniques to analyze problems, generate innovative solutions, and implement effective decision-making processes.

Prerequisite: MGT 2300

LDR 3900 PROFESSIONAL DEVELOPMENT (3 credits)

Focuses on exploration of industries and disciplines in connection with individual professional goals. Students will conduct industry research and participate in simulations and activities to enhance their readiness for entering or progressing in their chosen career paths.

Prerequisite: Department Chair approval

LDR 4100 MOTIVATING TEAMS AND INDIVIDUALS (3 credits)

Discover effective strategies to motivate teams and individuals in a professional environment. Engage in interactive learning experiences, including theoretical discussions, real-world case studies, and practical exercises, to acquire the expertise needed to effectively motivate teams and individuals, leading to exceptional results. This course focuses on using collaboration, teamwork, and influence, to achieve measurable outcomes. Gain insight into theoretical models and practical techniques that will enhance motivation, engagement, and productivity.

Prerequisite: LDR 3200

LDR 4200 INNOVATION AND CHANGE LEADERSHIP (3 credits)

Explore the principles of innovation, change management, and effective leadership strategies in this transformative course. Learn how to foster a culture of innovation, navigate resistance to change, and inspire teams during transformative periods. Through engaging discussions, case studies, and practical exercises, gain the knowledge and skills to become a visionary leader who drives innovation and leads successful change initiatives. Prepare to make a significant impact by navigating change, and guiding teams towards organizational success.

Prerequisite: LDR 3200

LDR 4800 APPLIED LEADERSHIP CAPSTONE (3 credits)

This Capstone is a culminating course in which senior-level students apply strategic leadership principles to real-world scenarios. It synthesizes knowledge and skills acquired throughout the program, addressing complex leadership challenges. This independent, supervised work allows students to research and explore a leadership topic of personal relevance, emphasizing strategic thinking, effective decision-making, and leading organizational change. The capstone demonstrates mastery of leadership principles and the practical application of learning.

Prerequisite: LDR 3200, LDR 3500, LDR 4100 and LDR 4200

LEAN OPERATIONS & SUPPLY CHAIN MANAGEMENT (LEN)

LEN 4500 LEAN OPERATIONS AND SUPPLY CHAIN MANAGEMENT CAPSTONE (3 credits)

This course will provide the student with cumulative case study experience for the Lean Operations and Supply Chain Management major. Students will use the knowledge gained in the previous nine classes in the Operations and Supply Chain Management program to develop operational strategies for business applications. Simulations and industry projects will be utilized in this capstone course.

Prerequisites: 90 credits

MANAGEMENT (MGT)

MGT 2300 PRINCIPLES OF MANAGEMENT (3 credits)

Foundation course that provides an overview of the principles, concepts, and theories underlying the management discipline. Students learn the specialized vocabulary necessary for the practice of management. Origins, history, and antecedents of the management discipline and its relationship to the other disciplines that are the components of a business education.

MGT 2500 HUMAN RESOURCE MANAGEMENT (3 credits)

Provides students with a broad understanding of the behavioral, structural, operational, and legal aspects of managing an organization's human resources and the interrelationship between managerial functions and human resource policies. Examines the human resource functions of job analysis and design, recruitment, training and development, compensation and benefits, appraisal, and retention. Traces the evolution of the discipline and highlights certain landmark events that have impacted human resource management. Discusses the function of the various governmental agencies responsible for ensuring legal compliance.

MGT 3120 LOSS PREVENTION & RETAIL STRATEGY (3 credits)

Explore the effective methods and strategies required for successful retail management in both brick-and-mortar and electronic commerce (e-commerce). Topics of discussion, examination, analysis, and application include: how to utilize resources and techniques in retail management, types of retail segments, products, pricing, human resources, information systems, store operations, merchandising, supply chain, profit and loss (including inventory shrink), customer relationship management, communications, loss prevention basics and implementing and controlling retail strategy. This course includes a Loss Prevention Qualified (LPQ) Certification (lab fee required).

Prerequisite: MGT 2300

MGT 3200 MANAGEMENT COMMUNICATIONS (3 credits)

Students develop the techniques of sending and receiving skills necessary for effective communication in the global business environment. Topics covered include: writing effective business letters, memos, e-mails, and reports; group dynamics and effective meetings; nonverbal communication; listening; perception and semantics; and oral reporting.

Prerequisite: ENG 1200

MGT 3300 PROJECT AND INFORMATION MANAGEMENT (3 credits)

This course will teach students how to use and manage information technologies to revitalize business processes, improve business decision making, and gain a competitive advantage. This course will place significant emphasis on the essential role of APPS (Internet technologies) to create efficiencies as well as the development and implementation of these technologies. The first half of the semester will cover the “technology” and the second half will cover management of technology projects. Team based experiential learning methods will be used.

Prerequisites: MGT 2300 and MIS 1500

MGT 3350 HIGH-TECH & HIGH-TOUCH EXPERIENCES (3 credits)

This course explores the impact of modern technology on the building and sustainment of relationships between a luxury brand and its customers. The course focuses on sustainable tools, which influence both high-tech and high-touch strategies. In addition, students will acquire the critical skills necessary to develop strategies to influence luxury customers’ loyalty.

Prerequisite: MGT 2300

MGT 3400 SUSTAINABLE ENTERPRISE STRATEGIES (3 credits)

This course will allow students to gain an understanding of the decision-making process in sustainable organizations and industries, including the theories supporting sustainable management and the concepts of triple-bottom-line management. Students will apply the core management functions and practices learned in previous business core courses to sustainable organizations. A systems approach will be used to help students develop the ability to analyze whole systems.

Prerequisites: MGT 2300, ECN 2210 and ECN 2220

MGT 3500 OPERATIONS MANAGEMENT (3 credits)

Deals with the strategic/operational activities that relate to the creation of goods and services through the transformation of inputs to outputs. Students will be able to formulate strategies that increase productivity and quality so as to maximize a firm’s profitability in a global marketplace and for the benefit of society.

Prerequisites: MGT 2300 and MTH 2310

MGT 3600 ETHICAL LEADERSHIP AND MORAL DEVELOPMENT (3 credits)

This course introduces ethical theories (i.e., deontology, teleology, and relativism) that impact moral decision-making and the measurement of the decision-making process. Students will apply ethical principles to ethical business decisions. Students will also identify and evaluate internal and external influences that exist in organizational cultures.

Prerequisite: MGT 2300

MGT 3700 PRACTICE OF MANAGEMENT AND LEADERSHIP (3 credits)

Builds on the foundations of management theory and concepts contained in MGT 2300. It teaches students the practical elements of management and leadership through analysis, discussion, and reporting of significant trends and key issues from current literature. Examines advanced techniques in decision making and their applications in organizations. Using experiential learning tools, students learn management principles and identify important concepts related to leadership, emotional intelligence, diversity, organizational change, and sustainability.

Prerequisites: ACC 2415, MGT 2300 and MKT 2080

MGT 3850 SPECIAL TOPICS (1-3 credits)

Various topics in management. These may be one-time or occasional course offerings.

Prerequisite: Dependent on specific course content

MGT 3990 INTERNSHIP (3 credits)

The internship (a minimum of 150 hours) is designed to provide the student with supervised on-the-job training. A contract between the University, student, and employer provides the groundwork. Objectives, evaluations, written log, and a study of the organization are designed to provide a realistic learning experience.

Prerequisite: Department chair approval

MGT 4030 INTERNATIONAL MANAGEMENT (3 credits)

Familiarizes students with the evolution of multinational enterprises over the past century, and addresses the challenges today's managers of such enterprises. Discusses the various aspects of the complex task of managing and leading a multinational enterprise such as strategy formulation, structuring organizations, liaising with external stakeholders, ensuring ethical conduct, and providing inspirational leadership. Knowledge and skills are imparted through the use of experiential learning tools such as simulations and case discussions.

Prerequisites: MGT 2300 and MKT 2080

MGT 4200 APPLIED PROFESSIONAL COMMUNICATIONS (3 credits)

This course examines advanced techniques for optimizing the communication mechanisms inside and outside organizations using the elements of communication (written, oral, visual, contextual).

Prerequisite: MGT 3200

MGT 4250 ORGANIZATIONAL BEHAVIOR AND LEADERSHIP (3 credits)

Examines how the behavior of individuals and the relationships among individuals and groups within an organization impact its effectiveness. Draws upon the theories and models that constitute the core of the discipline, and also examines current topics and areas of interest. Develops the skills and tools necessary to effectively manage change within an organization and evolve into successful leaders in a complex, global environment.

Prerequisite: MGT 2300

MGT 4300 MANAGEMENT OF INFORMATION TECHNOLOGIES (3 credits)

Students learn how to use and manage information technologies to revitalize business processes, improve business decision making, and gain a competitive advantage. Major emphasis is placed on the essential role of the Internet and networked technologies in order to create efficiencies that will help contribute to business success in the global economy.

Prerequisites: MGT 2300 and MIS 1500

MGT 4360 STRATEGIC RISK MANAGEMENT (3 credits)

Examines the risk management process in detail and its application in an organization. The course covers principled holistic risk management (pure and speculative risk) and why organizations have risk managers. Includes the administrative and strategic aspects of global strategic risk management examining how a risk manager operates within a complex organization. The application of risk management tools will be discussed; such as risk mapping, loss forecasting, application of total quality management principles, integrated risk financing, financial reinsurance, captives/risk retention groups, and benchmarking. The course will also examine the specific issues of managing risk globally and other pertinent issues faced by risk managers.

Prerequisite: MGT 2300

MGT 4700 ANALYZING STRATEGIC FAILURES (3 credits)

Students in this course will use the four cornerstones of a business to analyze why businesses fail. This course is divided into two parts. The first part of the course is dedicated to identifying, examining, and discussing the cornerstones of a business: leadership/management, financial stability, marketing/brand management, business strategic plan. In the second part of the semester, causes of the cornerstone failure will be analyzed using case analyses from failed businesses.

Prerequisite: 90 credit hours completed

MGT 4800 STRATEGIC PLANNING (3 credits)

Integrates the various theories, concepts, and models covered in previous management courses and other courses dealing with other functional areas, and presents a comprehensive view of the competitive environment of today's global business enterprise. Through the use of experiential learning tools such as simulations and case discussions, students learn the skills necessary to formulate and implement strategy and exercise effective leadership in diverse organizational settings and business environments.

Prerequisites: 90 credit hours completed, MGT 2300, and FIN 3010 or FIN 3210

MGT 4810 BUSINESS SEMINAR (3 credits)

This course is utilized in study abroad programs and allows students to study a wide scope of international business practices including financial, retail, industrial, manufacturing, and service industries.

Prerequisite: MGT 2300

MANAGEMENT INFORMATION SYSTEMS (MIS)

MIS 1110 INTRODUCTION TO MANAGEMENT INFORMATION SYSTEMS (3 credits)

Explores current Information Systems concepts and technologies. Students learn how information systems give a business or organization a competitive edge by providing technologies that help managers plan, control, and make decisions. Includes topics such as hardware and software components of an information system, e-business concepts and implementation, and a survey of common information systems used today.

MIS 1250 FOUNDATIONS OF DATA ANALYTICS I (3 credits)

This course is designed for beginner students in the practice of data visualizations. Students will learn to relate to Tableau terminology relevant to describing key insights garnered from drilling down into data. A hands-on approach to teaching the important concepts and techniques of simple and complex visualizations in Tableau will be adopted. Course topics that will be discussed include cross tabs, geographic maps, treemaps, pie charts and bar charts, dual-axis, and combined charts with different mark types, highlight tables, and scatter plots. Students will use this experience to build interactive dashboards. A student who completes this course will have the skill level consistent with the fundamentals of Tableau Desktop I.

MIS 1300 INFORMATION TECHNOLOGY INFRASTRUCTURE (3 credits)

Students will develop a thorough understanding of the current operating systems, networks, and communications infrastructure. Includes an understanding of the functions of operating systems, fundamental automated data and voice communications concepts and terminology, and modes of data transmission, transmission media, and different types of networks.

MIS 1350 FOUNDATIONS OF DATA ANALYTICS II (3 credits)

This course builds on the rudimentary concepts learned in MIS 1250. Students will be provided with the skillsets of a seasoned Tableau power user. They will be exposed to the professional desk tools typical of solid working experience with Tableau. Course topics include a review of creating and connecting to data sources, developing data subsets, executing Tableau calculations, performing advanced table calculations, creating and using parameters, data extraction, comparing measures, Tableau geocoding, viewing distributions, basic statistics and forecasting, story-telling using dashboards. A student who completes this course will have the intermediate Tableau skill level consistent with the fundamentals of Tableau Desktop II.

Prerequisite: MIS 1250

MIS 1500 BUSINESS PRODUCTIVITY SOFTWARE (3 credits)

Students gain the computer skills needed to succeed in their academic careers and in today's workplace. Major topics include file management and office productivity tools: Word-Processing, Visual Presentation, and Basic to Advanced Spreadsheet usage. Students learn the mechanics of file management and the use of Microsoft Office productivity tools; how to select the most appropriate productivity tool for a task; and how to efficiently use these tools to store data, analyze data, and communicate information. In this course, students gain hands-on, practical experience using currently popular word-processing, presentation, and spreadsheet programs.

MIS 1550 INTRODUCTION TO INFORMATION SYSTEMS (3 credits)

This course introduces students to information systems, computer science, cybersecurity, networking, and the social science aspects of technology. It combines historical and technical foundations with practical skills and societal analysis. A key technical component is an introduction to networking and communication systems, including how data is transmitted and secured across networks. Students will also prepare for the Excel Associate Certification.

MIS 2100 VISUAL ANALYTICS FOR BUSINESS INTELLIGENCE (3 credits)

This course explores best practices for designing visualizations that viewers can easily understand and use. Upon completion of this course, students will be able to formulate strategic steps to optimize visual analytics processes, effectively deploy pre-attentive attributes in visualizations, propose design visualizations that minimize the risk of misleading consumers in hunt for data insights, effectively use charts to answer specific questions. They will also be able to describe the process of identifying visual best practices for dashboard and story design. A student who completes this course will be prepared to complete the certification exam to qualify as a Tableau Desktop Qualified Associate. It will also provide a solid foundation for students to aspire to complete the certification exam for Tableau Desktop Certified Professional as well.

MIS 2140 PROGRAMMING I (3 credits)

Introduces students to the elements of business programming using a selected programming language. Study of the program development cycle and practice designing and writing business application programs. In designing programs, students will learn to identify program requirements, data requirements, user interface requirements, and the programming processes needed to develop a solution. Based on their designs, students will code, test, and evaluate their programs.

MIS 2150 PROGRAMMING II (3 credits)

Advances the student's knowledge of programming concepts and design principles acquired in MIS 2140. Students will develop more advanced algorithms and use more complex data structures. Concepts of GUI, web enabled, and event-driven programming will be utilized.

Prerequisite: MIS 2140

MIS 2850 SPECIAL TOPICS (1-3 credits)

Various topics in management information systems. These may be one-time or occasional course offerings.

Prerequisite: Dependent on specific course content

MIS 3100 GRAPHICS AND WEB DESIGN (3 credits)

Focuses on web concepts and high quality web design as well as digital image/graphic design and manipulation for the web and print media. Important issues such as sequential communication, editorial design, and visual communication for the web will be studied and applied within this course. Students will integrate text, digital images/graphics, and other design applications into website design. Website and digital image design will be applied using the most powerful and up to date industry software (Adobe Creative Suite).

Prerequisites: MIS 1500

MIS 3200 DATABASE DESIGN AND IMPLEMENTATION (3 credits)

The design, implementation, and maintenance of databases play a key role in the success of modern information systems. Students examine the logical design and physical organization of data in an enterprise database. Various approaches to data management are covered including relational database management systems. Topics include the advantages of using database management systems, the proper design and implementation of a database, accessing and manipulating data using Structured Query Language (SQL), and the role of a database administrator.

Prerequisite: MIS 1500

MIS 3250 ERP BUSINESS APPLICATIONS (3 credits)

Introduces students to the concepts used with Enterprise Resource Planning (ERP). Students examine the relationships and interdependence of programs used to create information systems for organizations. Customer relationships, supply chain, production, and financial system models will be featured. Implementation issues are examined for ERP including technical structure.

MIS 3300 PROJECT MANAGEMENT (3 credits)

Students will examine the significant role that project management plays in the successful completion of an information technology project. The skills, tools, and best practices used to effectively manage a project from its inception to successful closure will be discussed. Students will learn how to control the scope, time, cost, and quality of projects, and gain hands-on experience using project management software.

Prerequisite: MIS 1500

MIS 3350 ADVANCED DATABASE MANAGEMENT & VISUALIZATIONS FOR ANALYTICS (3 credits)

Structured Query Language (SQL) continues to rank as one of the most-used computer languages in the world. To better position careers in the business world, students taking this course will build on the SQL skills acquired in MIS 3200 to provide database solutions. Through intensive hands-on learning sessions, best practices for defining structures that hold data so that relationships in the relevant data features can be analyzed to bear on business decisions will be learned. Key MySQL ideas will be emphasized to empower students to create, modify, explore, and summarize data beyond the limits imposed by Microsoft Excel and Access.

Prerequisite: MIS 3200

MIS 3400 SYSTEMS ANALYSIS AND DESIGN (3 credits)

Examines the various tools and methodologies for the development and implementation of a business information system. Students will also examine the logical and physical organizations of data in an enterprise database. The systems approach is covered in detail in conjunction with current concepts of systems analysis and design. The life cycle concept, the importance of implementing controls during the planning, analysis, design, implementation, and evaluation phases of a management information system to solve business management problems are highlighted.

MIS 3450 ENTERPRISE SYSTEMS CONFIGURATION (3 Credits)

Introduces students to the concepts used with configuring organizational processes in Enterprise Resource Planning (ERP). Students configure the structure and settings of an enterprise system using Implementation Guide (IMG) while testing transactions in key business processes.

Prerequisite: MIS 3250

MIS 3510 JOB SHADOWING (3 Credits)

This course is designed to help students gain insight into their chosen career paths by offering them the opportunity to shadow professionals in the field. Through observation, reflection, and interaction with industry experts, students will develop vision to plan their future careers, build professional networks, and enhance their career readiness.

Prerequisite: Department chair approval

MIS 3850 SPECIAL TOPICS (1-3 credits)

Various topics in management information systems. These may be one-time or occasional course offerings.

Prerequisite: Dependent on specific course content

MIS 3990 INTERNSHIP (3 credits)

The internship (a minimum of 150 hours) is designed to provide the student with supervised on-the-job training. A contract between the University, student, and employer provides the groundwork. Objectives, evaluations, written log, and a study of the organization are designed to provide a realistic learning experience.

Prerequisite: Department chair approval

MIS 4000 ADVANCED INFORMATION SYSTEMS PROJECT (3 credits)

Capstone course for the MIS concentration and is designed to consolidate the business and information systems knowledge acquired during the completion of the program. The skills, tools, and best practices used to effectively manage a project from its inception to successful closure will be discussed. Student teams will manage an information systems project that improves business operations. Students will apply project management best practices as they work through the project life cycle. This course promotes the development of consultative communications skills and interpersonal skills with team members and other project stakeholders.

Prerequisite: MIS 3400

MIS 4100 MACHINE LEARNING TECHNIQUES FOR APPLIED PREDICTIVE MODELING (3 credits)

To minimize uncertainties in business decisions and planning, this course studies ways that machine learning algorithms are being deployed towards optimal extraction of truths embedded in data. Case studies will be used to introduce, explain, illustrate, and contextualize the utility of machine learning algorithms. Algorithms covered will center on information, similarity, probability, and error-based machine learning techniques to harness and leverage the value of predictive modeling. Students will develop a deep appreciation of the three foundational pillars of data analytics, namely descriptive, predictive and prescriptive analytics as it applies to the real world of data analytics-be it customer, finance, marketing, healthcare, supply chain, human resource, government, and sports analytics, to name but a few.

Prerequisite: MTH 3450

MIS 4200 ESSENTIALS OF BIG DATA AND CLOUD COMPUTING (3 credits)

MIS 4200 Essentials of Bog Data and Cloud Computing (3 credits) A delve into big data opportunities, what they represent, and the value modern business systems embrace by investing in infrastructure that supports big data integration, management and analysis. Students taking this course will be introduced to the Vs of big data: Volume, Velocity, Variety, Variability, and Veracity. A survey of modern technologies, either programming or application-based, deployed in big data analysis and cloud computing will be emphasized. To innovate faster with cloud computing, types of cloud computing and varied applications in product development, predictive maintenance, customer experience, fraud detection, machine learning, operational efficiency and the internet of things (IOT) will be illustrated.

Prerequisite: MTH 3150

MIS 4300 DATA ANALYTICS CAPSTONE PROJECT (3 credits)

The capstone experience for the Data Analytics program is designed as a practitioner's domain for synthesizing concepts learned in the program to extract actionable insights from real-life. Real-life data will be sourced from reputable data repositories. To analyze the sourced data sets, students will combine analytical methods learned during the program with stimulating ideas gleaned from completed public domains like Kaggle, GitHub and BitBucket on best practices for effectively managing an analytics project from its inception to a successful closure. Guided by the CRISP-DM model, students will synthesize database management, data visualization, machine learning, project management, consultative communication and interpersonal skills to see a data analytics project through its life cycle. Completed capstone projects will be documented in GitHub or Bitbucket as reference projects to demonstrate student's preparedness for the corporate world.

Prerequisites: MTH 3450 and MIS 4100

MIS 4500 TECHNOLOGY CAPSTONE PROJECT (3 credits)

The capstone course for technology-related programs is designed to consolidate the business and information systems knowledge acquired during the completion of the program. The skills, tools, and best practices used to effectively manage a project from its inception to successful closure will be discussed. Student teams will manage an information systems project that improves business operations. Students will apply project management best practices as they work through the project life cycle. This course promotes the development of consultative communications skills and interpersonal skills with team members and other project stakeholders.

MIS 4650 ADVANCED ENTERPRISE SYSTEMS (3 Credits)

This course builds on the concepts of MIS3450. Through this course students gain a comprehensive understanding of both functional and technical concepts in enterprise systems (ES) through execution of key business transactions, and application of key enterprise resource planning (ERP) concepts. Students will develop a core knowledge of business processes and their integration in a global ES to provide a foundation for key industry certifications.

Prerequisite: MIS 3450

MARKETING (MKT)

MKT 1000 INTRODUCTION TO SALES (3 credits)

This course provides a comprehensive introduction to the field of sales, focusing on the critical functions of selling products and services to clients. Through this course, students will learn how to identify customer needs and desires to provide effective solutions. In addition, they will develop their verbal and non-verbal communication skills, allowing them to deliver crucial information to clients and establish long-lasting customer relationships. By the end of this course, students will have the essential skills to succeed in a sales role.

MKT 2080 PRINCIPLES OF MARKETING (3 credits)

Explores the development of marketing principles and the role of marketing in an enterprise economy. Reviewing current articles and case studies develops an understanding of marketing principles.

MKT 2150 PROFESSIONAL SELLING (3 credits)

This course will develop students' competencies in professional selling theory and approaches and presentation skills. This course focuses on developing and maintaining relationships with customers and the process of finding, converting and keeping customers while achieving the organization's goals. Communication techniques, career planning, selling strategies and tactics, as well as sales duties and responsibilities are included. Course topics will include the selling process, the buying process, creating value in buyer-seller relationships, prospecting, sales call planning, communicating the message, negotiating for win-win solutions and closing the sale.

Prerequisite: MKT 2080

MKT 2220 SALES & TECHNOLOGY (3 credits)

The rapid advancement of technologies has revolutionized selling activities within sales teams. In today's landscape, tools, data, analytics, protocols, and processes are just as crucial as persuasion and persistence. This comprehensive course delves into the science behind these activities and explores data-driven strategies for developing, managing, and converting sales leads and pipelines into revenue. Gain hands-on experience with industry-leading CRM technology.

MKT 2400 PUBLIC RELATIONS (3 credits)

This course introduces the fundamentals of public relations and its crucial role in building and maintaining positive relationships with stakeholders in the marketing and sales industry. Through case studies, discussions, and practical exercises, students will explore PR principles, strategies, and tactics to enhance brand reputation, manage crises, and effectively communicate key messages to diverse stakeholders, including customers, investors, employees, and the media. Students will develop strategies for a target audience, evaluate communication modes, and craft messaging to foster mutually beneficial relationships between the audience and the brand.

Prerequisite: MKT 2080

MKT 3000 E-COMMERCE (3 credits)

Discusses the rapid evolution of the marketplace because of the emergence of e-commerce and the tools facilitating this evolution, such as the Internet. Covers the impact of these tools and the changes they invoke on organizations, careers, and in general, on the conduct of business in the global marketplace. Use of these tools with special emphasis on utilization in value chain integration and enterprise resource planning. The development of an e-commerce strategic plan is a capstone element of this course.

Prerequisite: MKT 2080

MKT 3030 WEBSITE DEVELOPMENT FOR BUSINESS APPLICATIONS (3 credits)

This course introduces students to the fundamentals of modern website development without requiring coding experience. Students will learn how to plan, design, build, and optimize professional websites using user-friendly website builders and content management systems. Emphasis is placed on user experience (UX) principles, visual design, site structure, and optimization to ensure websites are both functional and discoverable.

Prerequisite: MKT 2080

MKT 3050 CONSUMER BEHAVIOR (3 credits)

Consumer behavior theory, including the introduction of behavioral models to investigate the consumer psychology. Application of consumer behavior principles to customer satisfaction, market planning, and merchandise mix decisions. Ethical, diversity, and international issues are also explored.

Prerequisite: MKT 2080

MKT 3100 INTERNATIONAL MARKETING (3 credits)

Addresses global issues challenging today's international marketer. Discusses the various strategic, tactical, and operational components of the international marketing function. Explores in detail the practical aspects of international marketing such as exports and imports, international marketing research, and the development of a comprehensive marketing plan.

Prerequisites: MKT 2080 and MGT 2300

MKT 3133 RETAIL MANAGEMENT (3 credits)

Explore the effective methods and strategies required for successful retail management in both brick and mortar and electronic retail outlets. Topics of discussion, examination, analysis, and application include how to utilize resources and techniques in retail management, locations, products, pricing, human resources, information systems, store operations, customer communications, and implementing and controlling a retail strategy.

Prerequisites: ACC 2415, MGT 2300, MKT 2080, and 90 credit hours completed

MKT 3150 SOCIAL MEDIA MARKETING (3 credits)

The goal of this course is to prepare current and future executives, managers and strategists to create value in the networked economy-in other words, to gain understanding and insight on how new technology and media forms have created unique challenges and opportunities for business. This course presents the strategic themes and issues associated with the field of ecommerce.

Prerequisites: MKT 2080 and MKT 3000

MKT 3200 DIGITAL MARKETING CONCEPTS (3 credits)

This course examines how digital marketing has brought new capabilities to the marketing function. Students examine the basic principles of digital marketing and assess the impact of these basic principles, addressing benefits as well as the limitations of digital marketing. Topics include search engine advertising, search engine optimization, video marketing, social media, social CRM and mobile marketing. Students will develop practical skills in digital content creation such as social media posts, shortform videos, email content, SMS messages, website elements, and other assets used in integrated digital strategies.

Prerequisite: MKT 2080

MKT 3233 GRAPHIC DESIGN IN VISUAL COMMUNICATION (3 credits)

Prepares students to use visual design for modern media within an integrated marketing communications campaign. Analysis of current graphic design methods and the development of a visual communication plan emphasize how elements of visual strategy and creative thinking work together in the marketing environment. The new opportunities and challenges marketers face in visual communication are discussed (Requires Adobe Creative Suite).

Prerequisites: MKT 2080 and MIS 1500

MKT 3250 ADVANCED SELLING AND SALES MANAGEMENT (3 credits)

This comprehensive course focuses on developing advanced professional selling skills and preparing participants for successful careers in sales team management. While the course caters to students with basic sales knowledge, it is suitable for individuals without prior experience as it provides a strong foundational understanding of sales principles. Beyond interpersonal skills, participants will learn how to excel as both effective sellers and proficient sales team managers.

Prerequisite: MKT 2150

MKT 3350 LEAN DISTRIBUTION (3 credits)

Lean distribution is based on the Toyota Production System and is a philosophy of a set of methods for dramatically reducing time from customer order to building and shipping a product that costs less, uses less space, and is of superior quality. Covers the history, philosophy, and core methodologies of lean distribution.

Prerequisite: MKT 2080

MKT 3450 LOGISTICS (3 credits)

Provides a management guide to the flow of products from suppliers to manufacturers, manufacturers to distributors, distributors to retailers, and manufacturers to retailers. Logistics will be discussed and described in all phases of the transportation system including rail, truck, air, and water borne shipments. Help engage students in the overall workings of logistics including an overview of employment opportunities in logistics management.

Prerequisite: MKT 2080

MKT 3850 SPECIAL TOPICS (1-3 credits)

Various topics in marketing. These may be one-time or occasional course offerings.

Prerequisite: Dependent on specific course content

MKT 3990 INTERNSHIP (3 credits)

The internship (a minimum of 150 hours) is designed to provide the student with supervised on-the-job training. A contract between the University, student, and employer provides the groundwork. Objectives, evaluations, written log, and a study of the organization are designed to provide a realistic learning experience.

Prerequisite: Department chair approval

MKT 4200 DIGITAL MARKETING STRATEGY (3 credits)

This course examines how digital marketing has brought new capabilities to the marketing function. Students examine the basic concepts of digital marketing strategy and assess the impact of these basic principles, addressing benefits as well as the limitations of digital marketing. Digital marketing strategy topics such as online advertising, CRM, search engine optimization, social media, content marketing and personalization will be discussed. Students will also learn how to analyze the required techniques and functions of digital marketing from a company's perspective.

Prerequisite: MKT 3200

MKT 4230 MARKETING RESEARCH (3 credits)

Examines the role of research in the solution of marketing problems, with emphasis on available data analysis, non-parametric statistical procedures, sampling, variable analysis, and field research methodology. Development of research and survey instruments and use of a software computer package to analyze data. Student teams will identify a research problem, gather and analyze data, and integrate results in a research report presented in class.

Prerequisites: MTH 3340 and MKT 2080

MKT 4240 MARKETING MANAGEMENT (3 credits)

A case-based, capstone course that builds upon previous classes in marketing principles and marketing research. Course includes development of a market plan and managerial analysis of marketing policy, strategy, organization, administrative structures to facilitate the marketing function, procedures in demand analysis, product planning policy, pricing, and physical distribution. Emphasizes the integration of these marketing activities and their planning and direction.

Prerequisite: MKT 4230

MKT 4350 SALES NEGOTIATIONS (3 credits)

Negotiation is a fundamental business skill that plays a crucial role in resolving conflicts and achieving mutually beneficial outcomes. In this course, delve into the art and science of negotiation, exploring various contexts such as deal-making, employment decisions, team building, contract discussions, and dispute resolution. Through engaging cases, role plays, and scenarios, you will develop the essential skills, strategies, and tactics required to negotiate effectively in diverse business environments.

Prerequisite: MKT 3250

MKT 4400 DIGITAL MARKETING ANALYTICS (3 credits)

The course will prepare students to be effective marketers in an environment that involves digital initiatives and data. Students will learn to evaluate different analytics approaches and will work with both structured and unstructured data digital data sets to understand and attain hands on experience in collecting and analyzing these large data sets. Students will also develop an understanding of the types of data available and how to assess the quality of the data, develop a goal-based analytics plan and make sound inferences and recommendations. Digital marketing topics such as website analytics, social media marketing, SEO/SEM, social listening and digital advertising will be covered.

Prerequisite: MIS 2100

MKT 4600 SALES OPERATIONS EXCELLENCE (3 credits)

This comprehensive course covers the essential areas necessary to effectively drive the productivity and capacity of a company's selling resources. The Sales Operations Playbook explores strategic concepts such as Sales Ops Structure, Lead Management, Forecasting, Business Model Canvas, and Pyramid Analysis. Additionally, students will complete a curated collection of Salesforce Trailhead badges, including Sales Productivity, Data Management, Reports & Dashboards for Lightning Experience, and Sales Territories and Forecasting.

Prerequisite: MKT 4350

MARKETING COMMUNICATIONS (MKC)

MKC 2100 INTRODUCTION TO MARKETING COMMUNICATIONS (3 credits)

Explores creation and management of integrated marketing campaigns, from identification of appropriate tools and strategies to project management of budget factors such as time and cost. Integrated marketing tools to study include public relations, content marketing, sales promotion, social media, and advertising. Emphasis will be placed on understanding how to target various markets and how to develop strategic and interactive integrated marketing plans with clear objectives.

Prerequisite: MKT 2080

MKC 2110 MEDIA ECONOMICS AND TECHNOLOGY (3 credits)

Focuses on the business practices of the media industry, specifically economic factors that direct and limit decisions. Emphasis is placed on the digitization of media channels and platforms. Students gain a critical understanding of fundamental concepts, theories, and approaches of media economics to aggregate audiences for advertisers. The role of technology, globalization, regulation, and other factors in shaping media economics is also explored.

MKC 2300 DIGITAL MEDIA PLANNING (3 credits)

Examines the structure, technology, and personnel of the media industry. Students develop digital media planning and convergent media design skills for multimedia-related careers. Exploration of leveraging data for ad targeting and implementing critical ad targeting strategies provide an understanding of how to effectively reach target audiences.

Prerequisites: MKC 2100

MKC 2400 CREATIVE CONCEPTS & STRATEGY (3 credits)

Introduces the creative strategy development process of an integrated marketing communications framework, which includes advertising, public relations, direct marketing, sales promotion, and social/mobile marketing. Students explore marketing planning, branding/positioning, copywriting, and design of messages for major media formats. Various verbal, written, and visual strategies and business best practices to use in creative message development are discussed (Requires Adobe Creative Suite).

Prerequisite: MKC 2100 or MMK 1010

MKC 3200 DIGITAL, SOCIAL & MOBILE MARKETING (3 credits)

Explores how to leverage the power of digital, social, and mobile strategies and tools to create compelling marketing campaigns. Students gain an understanding of various mobile technologies, with an emphasis on how to evaluate and implement these options to meet marketing objectives. The integration and impact of digital, social, and mobile marketing on traditional marketing channels also are addressed.

Prerequisite: MKC 2100

MKC 4100 INTEGRATED MARKETING COMMUNICATIONS CAMPAIGNS (3 credits)

Examines situational analysis, audience research, strategic decision-making, and creative development of integrated marketing communications plans for diverse clients/organizations. Students create materials for different channels, using various media, including print, video, and digital.

Prerequisite: MKC 2300

MKC 4500 CURRENT ISSUES IN GLOBAL MARKETING & CONSUMER BEHAVIOR (3 credits)

Emphasizes an overview of the cultural environment as it applies to marketing through discussion of global topics such as management, political, and legal issues. Examination of and discussion about the process of planning, implementing, and analyzing marketing and other strategic communications are explored, with focus on understanding the theory, practice, and ethics of global communication.

Prerequisite: MKC 3200

MATHEMATICS (MTH)

MTH 0980 DEVELOPMENTAL MATHEMATICS (3 credits)

This developmental course includes topics from Basic and Intermediate Algebra with an emphasis on mathematical modeling and problem solving. Topics include properties of Real numbers, algebraic expressions, linear equations and functions, systems of linear equations, polynomials, rational equations and functions, and radical equations and functions.

Prerequisite: ACT Math score of 19 or less or SAT Math score of 510 or less

MTH 1000 FINITE MATHEMATICS WITH INTEGRATED REVIEW (4 credits)

A course for students who have not placed directly in college algebra or finite math, however, have demonstrated knowledge of basic math skills. Algebra topics such as functions, factoring polynomials, radicals, and solving exponential and logarithmic equations will be covered in the course. This course will also discuss statistical and quantitative reasoning techniques used by business professionals. Topics will include business finance, systems of equations, matrices, linear programming, probability, and set theory concepts.

Prerequisite: Minimum ACT Math score of 20 or minimum SAT Math score of 520 or MTH 0980 or successful completion of the placement examination

MTH 1050 COLLEGE ALGEBRA WITH INTEGRATED REVIEW (4 credits)

This course covers all algebraic topics necessary for a mathematically literate person. An understanding of the Real Number System is extended to complex numbers required to solve quadratic equations. Students will learn how to simplify and solve both rational and radical expressions and equations, how to solve quadratic equations using various methods, how to solve logarithmic and exponential equations, how to solve systems of equations in two or more variables using matrix operations, how to solve a systems of linear inequalities, and how to apply the notation and principles of sequences and series. A modeling approach is used with an emphasis on functions and applied problem solving.

Prerequisite: Minimum ACT Math score of 20 or minimum SAT Math score of 520 or MTH 0980 or successful completion of the placement examination

MTH 1100 FINITE MATHEMATICS (3 credits)

This course will prepare students to use statistical and quantitative reasoning techniques to solve application problems. Topics will include business finance, systems of equations, matrices, linear programming, probability, and set theory concepts.

Prerequisite: Minimum ACT Math score of 24 or minimum SAT Math score of 580

MTH 1150 COLLEGE ALGEBRA (3 credits)

Completes the sequence of algebraic topics necessary for a mathematically literate person. An understanding of the Real Number System is extended to complex numbers required to solve quadratic equations. Students will learn how to solve quadratic equations using the quadratic formula, how to solve logarithmic and exponential equations, how to solve systems of equations in two or more variables using matrix operations, how to solve a system of linear inequalities, and how to apply the notation and principles of sequences and series. A modeling approach is used with an emphasis on functions and applied problem solving.

Prerequisite: Minimum ACT Math score of 24 or minimum SAT Math score of 580

MTH 2000 PRE-CALCULUS (3 credits)

This course prepares students for calculus or other courses requiring depth of algebraic trigonometric background, including: inequalities; theory of equations; matrices; functions and relations; logarithms; exponential and trigonometric functions.

Prerequisite: MTH 1150

MTH 2300 COLLEGE CALCULUS I (4 credits)

This course covers the following topics: limits and derivatives; differentiation rules; applications of differentiation; curve sketching; optimization problems; antiderivatives; definite integral and indefinite integrals.

Prerequisites: MTH 1150 and MTH 2200

MTH 2310 STATISTICS I (3 credits)

This course provides a comprehensive exploration of descriptive statistics, probability, distributions, sampling distributions, and inferential statistics including parameter estimation and hypothesis testing techniques. Students will determine the appropriate statistical technique based on data type and measurement level, analyze data using appropriate technology, and interpret results.

Prerequisites: MIS 1500 and MTH 1100 or MTH 1150

MTH 2350 COLLEGE CALCULUS II (4 credits)

Topics in this course include areas between curves, volume, volumes by cylindrical shells, techniques of integration, improper integrals, arc length, area of a surface of revolution, applications to physics and engineering, modeling with differential equations, Euler's Method, separable equations, parametric equations, polar coordinates, conic sections and an introduction to sequences and series.

Prerequisite: MTH 2300

MTH 2520 DISCRETE MATHEMATICS (3 credits)

This course covers topics in discrete mathematics such as elementary logic, set theory, and relations; induction, enumeration techniques, recurrence relations, trees and graphs, Boolean algebra and algorithm analysis.

Prerequisite: MTH 2000

MTH 2600 DIFFERENTIAL EQUATIONS (3 credits)

This course covers the following topics: first order differential equations, the existence and uniqueness theorem, second order linear equations, higher order linear equations, series solution of differential equation, the Laplace transform, systems of first order linear equations, and nonlinear differential equations and stability.

Prerequisite: MTH 2300

MTH 2870 LINEAR ALGEBRA & MATRIX THEORY (3 credits)

This course covers the elementary theory of vector spaces. Topics include linear independence, bases, dimension, linear maps and matrices, determinants, orthogonality, eigenvalues and eigenvectors.

MTH 3100 CALCULUS I (3 credits)

This course covers the basics of differential and integral calculus and their application in solving business problems. The concepts of limits and continuity, derivatives of functions and their applications, and definite and indefinite integrals are discussed.

Prerequisite: MTH 1100 or MTH 1150 or ACT Math score of 29 or higher or SAT Math score of 670 or higher

MTH 3150 DATA SCIENCE FOR INFORMED DECISION MAKING (3 credits)

In this class, students will explore how to combine business domain knowledge with the fundamental principles of data science in formulating a data-driven strategy to meet set objectives. The underlying conceptual processes inherent in the industry-standard CRISP-DM model, namely the systematic progression from business understanding to data understanding, preparation, modeling, and deployment are examined. Real-life scenarios that differentiate between supervised and unsupervised methods for data mining and applied predictive modeling will be considered. Key characteristics associated with deployed analytic models such as generalization and overfitting are introduced. Topics related to responsible data science and ethical practice will also be covered to include transparency, explainability, and fairness.

Prerequisites: MIS 1500 and MTH 2310

MTH 3200 CALCULUS II (3 credits)

Understanding and utilization of multivariable calculus and matrix algebra techniques commonly used in business, economics, and the social sciences.

Prerequisite: MTH 3100

MTH 3340 STATISTICS II (3 credits)

This course is a continuation of MTH 2310. Topics include hypothesis testing of proportions, means and variances of two populations, multiple regression, chi-square tests, forecasting, statistical process control and analysis of variance. Appropriate technology will be used for comprehensive statistical analysis.

Prerequisite: MTH 2310

MTH 3400 INTRODUCTION TO DATA SCIENCE (3 credits)

This survey course will introduce students to the concepts and principles of Data Mining industry standards like CRISP-DM and SEMMA. This includes the conceptualization of data, information and knowledge, introduction of data collection, storage and preparation, database management, data visualization, and statistical data driven decisions for solving business problems.

Prerequisites: MIS 1500 and MTH 2310

MTH 3450 DATA MINING FOR BUSINESS ANALYTICS (3 credits)

To enhance students' preparation for the responsibility of making strategic, tactical, and operational decisions, this course examines the various techniques and methodologies for mining non-random patterns in data to create business value. Highlight content areas that are covered include an overview of the data mining process, what initial data exploration entails, dimension reduction techniques, prediction and classification methods, mining relationships among records, social network analytics, and text analytics. Through the lens of business case studies, students will gain perception into making choices about algorithms for a given problem statement, while balancing this process out with an analysis of the pros/cons of each mining algorithm that can be used.

Prerequisite: MTH 3150

MTH 3850 SPECIAL TOPICS (1-3 credits)

Various topics in mathematics. These may be one-time or occasional course offerings.

Prerequisite: Dependent on specific course content

MTH 4100 DATA MINING AND MODELING FOR BUSINESS DECISIONS (3 credits)

In this course students will apply quantitative methods such as linear, logistic, and multiple regression; time series forecasting, find optimal solution for goals, use decision trees, and apply simulation to business problems.

Prerequisites: MIS 1500 and MTH 2310

MTH 4200 PREDICTIVE ANALYTICS (3 credits)

Students will apply the concepts, principles and analysis skills of Data Mining to build predictive models. This course will require the planning, implementation, and evaluation of a solution to a business case problem.

Prerequisites: MIS 1500 and MTH 2310

MTH 4500 FORECASTING AND SIMULATION TECHNIQUES FOR BUSINESS ENTERPRISE (3 credits)

This course provides a comprehensive introduction to forecasting methods used to predict data at future times from past, collected data. Among other possible use cases, students will be provided with a strong background in how to use forecasting skills to aid retail stores predict sales, energy companies forecast reserves, demand and prices, educational institutions forecast enrollment and governments forecast tax receipts and spending. Emphasis will be laid on how to uncover patterns in past, numerical data that are expected to carry into the future data by deploying quantitative forecasting techniques like exponential smoothing, regression forecasting, hierarchical forecasting, and practical forecasting issues. Other vital areas that will be covered will involve learning how to combine forecasts, handle complicated seasonality patterns, dealing with hourly, daily, and weekly data, forecasting count time series, and other examples. Through this experience, students will sharpen their readiness for applying analytic tools that businesses optimize for future strategic tactical, and operational planning and minimization of uncertainties.

Prerequisite: MTH 3150

MERCHANDISING & MARKETING (MMK)

MMK 1010 INTRODUCTION TO MERCHANDISING & MARKETING (3 credits)

This course offers students a comprehensive exploration of the apparel and retail merchandising industry supply chain, covering the journey from textiles to brand production. Throughout the course, students will gain insights into various critical aspects that are transforming the apparel and retail merchandising landscape, including sustainability, entrepreneurship, the impact of technology, and international trade.

MMK 2010 VISUAL MERCHANDISING (3 credits)

Various components of a manufacturer's or retailer's promotional techniques, including visual merchandising, are studied. In addition, forms of advertising and special events are studied to evaluate their applications to various situations.

MMK 3990 INTERNSHIP (3 credits)

The internship (a minimum of 150 hours) is designed to provide the student with supervised on-the-job training. A contract between the University, student, and employer provides the groundwork. Objectives, evaluations, written log, and a study of the organization are designed to provide a realistic learning experience.

Prerequisite: Department chair approval

MMK 4030 MERCHANDISE BUYING (3 credits)

Students will participate as a "buyer" through a buying and merchandise assortment planning experience. Students will learn to bridge the gap between the principles of retail buying and mathematical formulas and concepts. The career of a buyer and their responsibilities will be explored.

Prerequisite: MMK 2010

MMK 4120 MERCHANDISING & MARKETING CAPSTONE (3 credits)

The course is a culmination of all areas of the Marketing & Merchandising program such as sales, sustainability, marketing communications, visual merchandising, merchandise buying, and retail management. Students will analyze industry trends and apply knowledge from the program to develop a comprehensive merchandising plan including research, production, supply chain, branding, sales, visual merchandising, and budgeting & plan evaluation.

Prerequisite: MMK 4030

NATURAL SCIENCE (NSC)

NSC 1100 INTRODUCTION TO ECOLOGICAL PRINCIPLES (3 credits)

An introductory course presenting the main concepts of ecosystem function and ecological interrelationships. Students will develop an understanding of the complex relationships between physical, chemical and biological components of ecosystems. This understanding will provide the basis for later application of human interaction and sustainability concepts to the natural world.

NSC 1200 BIOLOGY 1 WITH LAB (3 credits with a 1 credit corequisite lab)

An introductory course in scientific thinking, classification, and explanations of natural processes of life on earth, including those of cells, organisms, plants, animals, ecosystems and the biosphere. Provides students with a broad perspective of the field of biology and establishes a background for further study in advanced biology courses (laboratory participation required).

Prerequisites: ENG 1150 and MTH 1150

NSC 1250 BIOLOGY II WITH LAB (3 credits with a 1 credit corequisite lab)

An Introduction to bioenergetics, enzymes, biological membranes, transport across membranes, chemotrophic energy metabolism (glycolysis and fermentation), chemotrophic energy metabolism (aerobic respiration), phototrophic energy metabolism, gene expression and signal transduction mechanism (laboratory participation required).

Prerequisite: NSC 1200

NSC 1300 GENERAL CHEMISTRY I WITH LAB (3 credits with a 1 credit corequisite lab)

This course will cover the fundamentals of chemistry. Topics discussed include atomic structure, chemical periodicity, molecules and ions, chemical reactions, stoichiometry, thermo chemistry, properties of gases and molecular geometry (laboratory participation required).

Prerequisites: ENG 1150 and MTH 1150

NSC 1350 GENERAL CHEMISTRY II WITH LAB (3 credits with a 1 credit corequisite lab)

This course will cover the basic tools of chemistry: atoms, molecules, and ions; chemical reactions; stoichiometry; thermochemistry; gases and their behavior; the structure of the atom; atomic electron configurations; chemical periodicity; atomic structure and electron configurations; and theories and models of chemical bonding (laboratory participation required).

Prerequisite: NSC 1300

NSC 1500 PHYSICS I WITH LAB (3 credits with a 1 credit corequisite lab)

This course focuses on mechanics covering the following topics: motion in one and two dimensions, Newton's laws, statics, work, energy and power and momentum (laboratory participation required).

Prerequisites: ENG 1150 and MTH 1150

NSC 1550 PHYSICS II WITH LAB (3 credits with a 1 credit corequisite lab)

This course includes the discussion of elastic properties of materials; gases; fluids; thermodynamics; electric forces, fields and potentials; direct currents; and optics (laboratory participation required).

Prerequisite: NSC 1500

NSC 1600 COLLEGE PHYSICS I WITH LAB (3 credits with a 1 credit corequisite lab)

This calculus-based course focuses on mechanics and covers the following topics: one and two dimensional kinematics; Newton's laws of motion and gravitation; work, energy, and power; equilibrium and momentum; properties of fluids; harmonic motion, waves and sound; and Thermodynamics (laboratory participation required).

Prerequisites: ENG 1150 and MTH 2300

NSC 1650 COLLEGE PHYSICS II WITH LAB (3 credits with a 1 credit corequisite lab)

This calculus-based course continues the series with a focus on applied physics and examines: electrostatics (conductors, insulators, and potentials); electronic circuits; electromagnetism (magnetic fields and electromagnetic radiation); light and optics (reflection, refraction, mirrors, and lenses); and atomic and nuclear physics and associated elementary particles (atomic structure, radioactive decay, fission, fusion). Differential and integral calculus and simple vector analysis are used throughout this course (laboratory participation required).

Prerequisite: NSC 1600

NSC 2100 ENVIRONMENTAL SCIENCE (3 credits)

Designed to give an overview of basic environmental principles. Concepts central to the biological and physical sciences will be covered to provide a background for understanding the environment. The basic environmental issues of human population growth, biodiversity, natural resources and energy use, and their role in the wellbeing of the environment will be highlighted. Ethical, social, economic, and political interrelationships will also be discussed. This material will provide a good foundation for sound decisions regarding environmental issues.

NSC 2300 ORGANIC CHEMISTRY I WITH LAB (3 credits with a 1 credit corequisite lab)

This course explores the structure and reactions of carbon-based compounds with a focus on: alkanes, alkenes, and alkynes; cyclic carbon structures; stereochemistry; and aromatic compounds (laboratory participation required).

Prerequisite: NSC 1350

NSC 2350 ORGANIC CHEMISTRY II WITH LAB (3 credits with a 1 credit corequisite lab)

A continuation of topics such as alcohols and ethers; phenols and quinones; aldehydes and ketones; carboxylic acids and their derivatives; amines; carbohydrates; lipids; and amino acids, proteins, and nucleoproteins (laboratory participation required). **Prerequisite:** NSC 2300

NSC 3100 CLIMATE CHANGE (3 credits)

Examines the current scientific knowledge of climate change and its implications for society as a whole. Specific topics include: energy balance, components of climate, measuring climate, and modeling climate. The consequences of climate change from biological, social, and economic perspectives will be examined, as well as political, corporate, and individual responses to this issue. **Prerequisites:** NSC 2100 and 60 credit hours completed

NSC 3200 UNDERSTANDING BIOTECHNOLOGY (3 credits)

Biotechnology is the latest technological revolution to transform many facets of our society. Its impacts on the environment, agriculture, nutrition, industry, and health will advance social and individual health and technology beyond anything imaginable. This course reviews the science behind biotechnology including cell biology, genetics, genetic behavior, and genetic manipulation. It presents the technologies and laboratory processes that enable biotechnology discovery and development. Finally, it explores specific applications of biotechnology including food, human health, industrial, and environmental applications.

Prerequisites: NSC 2100 and 60 credit hours completed

NSC 3300 SUSTAINABILITY SCIENCE (3 credits)

This course will introduce students to scientific concepts and methods for promoting sustainability and measuring effectiveness of eco-friendly practices (e.g., kilowatt-hours of energy use, acre-feet of reclaimed water, or greenhouse gas emissions). This course will also apply science-based assessment to a variety of real world issues related to sustainability.

NSC 3330 TROPICAL NATURAL HISTORY (3 credits)

Examines the various tropical ecosystems of the world with a primary focus on the neotropical rainforests. Examines the climate, geology, geography, ecology, biodiversity, economic potential, and environmental concerns of these ecosystems. Their values, including ecological, economic, and cultural, will be examined in order to establish a framework to understand the urgent need for their conservation for future generations and the health of the planet in general.

Prerequisites: NSC 2100 and 60 credit hours completed

NSC 3400 ENVIRONMENTAL STUDY IN MEXICO (3 credits)

A broad presentation of environmental science, integrating technical and social concepts and issues as they relate to the Mexican environment. The ecological, economic, social, and ethical aspects of current issues are scrutinized from a scientific base.

Prerequisites: NSC 2100 and 60 credit hours completed

NSC 3450 ENVIRONMENTAL STUDY IN SOUTHEAST ASIA (3 credits)

A broad presentation of environmental science, integrating technical and social concepts and issues in the Southeast Asian environment. The ecological, economic, social, and ethical aspects of current issues are scrutinized from a scientific base. **Prerequisites:** NSC 2100 and 60 credit hours completed

NSC 3850 SPECIAL TOPICS (1-3 credits)

Various topics in natural science. These may be one-time or occasional course offerings.

Prerequisite: Dependent on specific course content

NSC 4020 OCEANOGRAPHY (3 credits)

A broad presentation of oceanographic concepts and processes, including exploration, physical, chemical, and biological aspects. Current societal issues pertaining to the world's oceans will also be covered.

Prerequisites: NSC 2100 and 60 credit hours completed

NSC 4030 FIELD ORNITHOLOGY (3 credits)

An overview of the scientific study of birds and the important contributions to the field made by amateur birders. The course focuses on the field identification of local and regional species plus an overview of worldwide groups. In addition, this course includes ecological, behavioral, and biological topics including anatomy, territoriality and nesting, migration, trophic interactions, and conservation. The recreational and economic impacts of bird watching and feeding are addressed.

Prerequisites: NSC 2100 and 60 credit hours completed

NSC 4040 ECOLOGY (3 credits)

Students study and become familiar with the geology, indigenous plants, animals, and various ecosystems representative of the region, and identify the relationships involved between the living and nonliving factors in their environment.

Prerequisites: NSC 2100 and 60 credit hours completed

NSC 4050 BIODIVERSITY (3 credits)

Examines the three components of biodiversity: species diversity, genetic diversity, and ecosystem diversity, including the implications and impacts that human activities are having on each of them. Specific concepts of evolution, speciation, adaptive radiation, biogeography, and ecology are also addressed. The value of biological diversity is examined from both an economic as well as an ecological perspective.

Prerequisites: NSC 2100 and 60 credit hours completed

NSC 4060 SCIENCE AND TECHNOLOGY (3 credits)

A science course aimed at the non-science major. An overview of various scientific disciplines and processes, the creation and commercialization of scientific knowledge, and the impact of scientific discovery on business and society. The course provides students with basic information necessary to work in a technology-based environment.

Prerequisites: NSC 2100 and 60 credit hours completed

OPERATIONS AND SUPPLY CHAIN MANAGEMENT (OPS)

OPS 1100 INTRODUCTION TO OPERATIONS MANAGEMENT (3 credits)

This course deals with the strategic and operational activities that relate to the creation of goods and services through the transformation of inputs to outputs. Upon completion of this course, students will be able to formulate strategies that increase productivity and quality so as to maximize a firm's profitability in a global marketplace and to benefit society. This course introduces other topics in the Operations and Supply Chain Management curriculum. The objective will be to provide a cohesive "big picture" so that students will be able to understand how all of the elements of Operations and Supply Chain Management tie together.

OPS 1200 BUSINESS PROCESS MANAGEMENT (3 credits)

This course will examine the global competitive environment that requires organizations to view their operations in terms of business processes. Students will also learn to develop information systems to support these processes. Current, leading software will be utilized to study systems integration and development.

Prerequisite: OPS 1100 or MIS 1110

OPS 2350 STATISTICS FOR QUALITY ENGINEERING (3 credits)

This course applies the concepts of Statistics to the quality management functions within an organization. When students have completed this course, they will be prepared to succeed on the American Society for Quality Certified Quality Engineer exam. Topics covered will include: Introduction to Quality Management, Quality Systems Requirements, Measurement Systems Analysis; Process Capability Analysis; Process Control; and Reliability and Risk Management.

Prerequisite: MTH 2310 and MTH 3340

OPS 3500 PURCHASING (3 credits)

This course will provide students with the understanding of purchasing and inventory management. Working from an ERP perspective, the course will focus on examining the day-to-day processes of organization, analyzing material and process flows, enhancing the value added procedures and eliminating waste, redundancy, and bureaucracy to streamline supplier selection, supplier negotiations, logistics, and procurement in a global free enterprise system. Upon completion of the Purchasing and Supply Chain Management courses, students will be prepared to write the written examination for the Certification in Production and Inventory Management (CPIM).

Prerequisites: OPS 1100, MIS 3250, and MIS 1500

OPS 3600 SUPPLY CHAIN MANAGEMENT (3 credits)

This course will expose students to topics related to design and management of supply chains, from incoming raw materials to final product delivery. Course topics will include supply chain network design, facility planning, capacity planning, globalization and outsourcing, information technology, and global issues in supply chain management. Upon completion of the Purchasing and Supply Chain Management courses, students will be prepared to write the written examination for the Certification in Production and Inventory Management (CPIM).

Prerequisites: OPS 3500 and MIS 3250

OPS 3990 INTERNSHIP (3 credits)

The internship (a minimum of 150 hours) is designed to provide the student with supervised on-the-job training. A contract between the University, student, and employer provides the groundwork. Objectives, evaluations, written log, and a study of the organization are designed to provide a realistic learning experience.

Prerequisite: Department chair approval

OPS 4100 STATISTICS FOR CONTINUOUS IMPROVEMENT (3 credits)

This course will provide hands-on experience in the arena of Designed Experiments for process improvement and optimization. The DMAIC (Design, Measure, Analyze, Improve, Control) process will be covered in detail. Students will learn to identify sources of variation, analyze variation, reduce variation, and tie these concepts to Six Sigma methodology which can be applied in any business setting and to any business process. When the course is successfully completed, students will be prepared to be examined for Six Sigma Green Belt certification.

Prerequisite: OPS 2350

OPS 4200 LEAN SIX SIGMA (3 credits)

This course will provide an overview of the principles of Lean manufacturing, both internal at a company and throughout its supply chain. Topics covered will include value stream mapping and identifying waste. Students will gain experience with pull production/ just-in-time continuous flow systems. They will develop an understanding of the relationship between reducing work in process inventory and managing quality. The relationship between lean manufacturing and six sigma implementation will also be explored. **Prerequisite: OPS 2350**

OPS 4500 OPERATIONS AND SUPPLY CHAIN MANAGEMENT CAPSTONE (3 credits)

This course will provide the student with cumulative case study experience for the Operations and Supply Chain Management major. Students will use the knowledge gained in the previous nine classes in the Operations and Supply Chain Management program to develop operational strategies for business applications. Simulations and industry projects will be utilized in this capstone course.

Prerequisites: All OPS courses

PHYSICAL EDUCATION (PE)

PE 1010 INTERCOLLEGIATE FOOTBALL (1 credit)

This course provides a study of the theory and principles of sports; rules techniques and equipment related to the conduct of the game; and etiquette, sportsmanship, and the appreciation of competition as character-building elements. Participation in the intercollegiate series is subject to varsity squad and conference rules.

Prerequisite: Coach approval

PE 1020 INTERCOLLEGIATE BASKETBALL (1 credit)

This course provides a study of the theory and principles of sports; rules techniques and equipment related to the conduct of the game; and etiquette, sportsmanship, and the appreciation of competition as character-building elements. Participation in the intercollegiate series is subject to varsity squad and conference rules.

Prerequisite: Coach approval

PE 1030 INTERCOLLEGIATE BASEBALL (1 credit)

This course provides a study of the theory and principles of sports; rules techniques and equipment related to the conduct of the game; and etiquette, sportsmanship, and the appreciation of competition as character-building elements. Participation in the intercollegiate series is subject to varsity squad and conference rules.

Prerequisite: Coach approval

PE 1040 INTERCOLLEGIATE GOLF (1 credit)

This course provides a study of the theory and principles of sports; rules techniques and equipment related to the conduct of the game; and etiquette, sportsmanship, and the appreciation of competition as character-building elements. Participation in the intercollegiate series is subject to varsity squad and conference rules.

Prerequisite: Coach approval

PE 1050 INTERCOLLEGIATE TENNIS (1 credit)

This course provides a study of the theory and principles of sports; rules techniques and equipment related to the conduct of the game; and etiquette, sportsmanship, and the appreciation of competition as character-building elements. Participation in the intercollegiate series is subject to varsity squad and conference rules.

Prerequisite: Coach approval

PE 1060 INTERCOLLEGIATE LACROSSE (1 credit)

This course provides a study of the theory and principles of sports; rules techniques and equipment related to the conduct of the game; and etiquette, sportsmanship, and the appreciation of competition as character-building elements. Participation in the intercollegiate series is subject to varsity squad and conference rules.

Prerequisite: Coach approval

PE 1070 INTERCOLLEGIATE TRACK (1 credit)

This course provides a study of the theory and principles of sports; rules techniques and equipment related to the conduct of the game; and etiquette, sportsmanship, and the appreciation of competition as character-building elements. Participation in the intercollegiate series is subject to varsity squad and conference rules.

Prerequisite: Coach approval

PE 1080 INTERCOLLEGIATE SOFTBALL (1 credit)

This course provides a study of the theory and principles of sports; rules techniques and equipment related to the conduct of the game; and etiquette, sportsmanship, and the appreciation of competition as character-building elements. Participation in the intercollegiate series is subject to varsity squad and conference rules.

Prerequisite: Coach approval

PE 1090 INTERCOLLEGIATE VOLLEYBALL (1 credit)

This course provides a study of the theory and principles of sports; rules techniques and equipment related to the conduct of the game; and etiquette, sportsmanship, and the appreciation of competition as character-building elements. Participation in the intercollegiate series is subject to varsity squad and conference rules.

Prerequisite: Coach approval

PE 1100 INTERCOLLEGIATE CROSS COUNTRY (1 credit)

This course provides a study of the theory and principles of sports; rules techniques and equipment related to the conduct of the game; and etiquette, sportsmanship, and the appreciation of competition as character-building elements. Participation in the intercollegiate series is subject to varsity squad and conference rules.

Prerequisite: Coach approval

PE 1130 PHYSICAL CONDITIONING (1 credit)

This course provides a study of the theory and principles of sports; rules techniques and equipment related to the conduct of the game; and etiquette, sportsmanship, and the appreciation of competition as character-building elements.

Prerequisite: Coach approval

PE 1260 SOCCER (1 credit)

This course provides a study of the theory and principles of sports; rules techniques and equipment related to the conduct of the game; and etiquette, sportsmanship, and the appreciation of competition as character-building elements.

Prerequisite: Coach approval

PE 1290 CHEERLEADING (1 credit)

This course provides a study of the theory and principles of sports; rules techniques and equipment related to the conduct of the game; and etiquette, sportsmanship, and the appreciation of competition as character-building elements.

Prerequisite: Coach approval

PE 1300 HOCKEY (1 credit)

This course provides a study of the theory and principles of sports; rules techniques and equipment related to the conduct of the game; and etiquette, sportsmanship, and the appreciation of competition as character-building elements.

Prerequisite: Coach approval

PHILOSOPHY (PHL)

PHL 1100 PHILOSOPHY OF AMERICAN LIFE AND BUSINESS (3 credits)

Introduction to the development, methods and consequences of a social system based on individual freedom and responsibility, limited government, free enterprise and entrepreneurship, with special reference to the United States. Concepts from economics, political philosophy, history, and ethics are used to examine cultural, political and economic institutions and the way they interact to promote or inhibit human flourishing and economic prosperity.

PHL 2430 CRITICAL THINKING (3 credits)

Students develop the skills to express their thoughts and form judgments clearly, logically and effectively, using appropriate and adequate evidence for a variety of purposes and audiences. Students also learn to reflect on and challenge their own values and assumptions and form positions which demonstrate sensitivity and tolerance of various viewpoints and interpretations.

Prerequisite: ENG 1150 and MTH 1150

PHL 3000 PHILOSOPHY OF RELIGION (3 credits)

Essence and meaning of religion as a pervasive phenomenon in human societies; faith and reason, nature of divinity, arguments for and against God's existence, religious knowledge and experience, morality, and the problem of evil.

Prerequisite: 60 credit hours completed

PHL 3100 ETHICS (3 credits)

Study of moral decision making and theories that define our responsibilities. This course will examine sources for moral value e.g. law, authority, culture, tradition, religion, the problems associated with ethical subjectivism, as well as prominent historical approaches to ethics in the West.

Prerequisite: 60 credit hours completed

PHL 3300 LOGIC (3 credits)

Entails a thorough study of traditional Aristotelian logic, propositional logic, induction, informal fallacies, and scientific method. Topics discussed include: use and misuse of statistics, tools of basic economic analysis, memory training, fundamental principles of formal deductive reasoning, and rules of argumentation.

Prerequisite: 60 credit hours completed

PHL 3850 SPECIAL TOPICS (1-3 credits)

Various topics in philosophy. These may be one-time or occasional course offerings.

Prerequisite: Dependent on specific course content

PHL 4100 PHILOSOPHY OF AMERICAN ENTERPRISE (3 credits)

Examines the role of freedom, individual responsibility, property rights, entrepreneurship, and free markets in moral, intellectual, and economic development. Course materials draw on philosophical arguments, economic theory, and historical examples to demonstrate how these factors work together to create civil society.

Prerequisites: 90 credit hours completed, ECN 2210, ECN 2220

PHL 4105 CRITICAL PHILOSOPHICAL PROBLEMS (3 credits)

Critical philosophical problems of civilization with emphasis on their current status are explored. Problems include the relationship of the increase of knowledge and the use of science and technology in our societies, human rights, war, peace, poverty, prosperity, private property, government control, religion, and other selected philosophical problems with international significance, implications, and relationships.

Prerequisite: 60 credit hours completed

POLITICAL SCIENCE (PSC)

PSC 2010 INTRODUCTION TO AMERICAN GOVERNMENT (3 credits)

A survey of the institutions of American government including: legislative, executive, and judicial branches; interpretation of the Constitution and the Bill of Rights; federalism; political parties; the federal bureaucracy; elections; and interest groups.

PSC 3000 POLITICAL PHILOSOPHY (3 credits)

A philosophical examination of major social and political concepts such as freedom, authority, justice, law, obligation and rights. Emphasis on important philosophers and ideologies in the history of political philosophy.

Prerequisite: 60 credit hours completed

PSC 3850 SPECIAL TOPICS (1-3 credits)

Various topics in political science. These may be one-time or occasional course offerings.

Prerequisite: Dependent on specific course content

PRIOR LEARNING ASSESSMENT (PL)

PL 3010 CREDIT FOR PRIOR LEARNING (3 credits)

Explores types and sources of learning, the writing process, and portfolio development to verify college-level learning from practical work experience. A portfolio that reflects the connections between practical experience and course concepts and content is developed for evaluation.

Prerequisite: Approval of advisor

PSYCHOLOGY (PSY)

PSY 3000 PRINCIPLES OF PSYCHOLOGY (3 credits)

Provides students the opportunity to analyze their own personalities, interpersonal relationships, and values by reviewing major psychological theories. Experiential exercises are integrated throughout the course to apply theory to “real life” situations.

PSY 3010 APPLIED PSYCHOLOGY (3 credits)

An overview of major psychological concepts and techniques that is relevant to the application of organized knowledge about human behavior to improve productivity and personal satisfaction on the job. Classical theories of human behavior are summarized covering such topics as perception, learning, personality, conflict, motivation, team work, empowerment, and wellness. Business psychology is applicable in any work setting, such as a company, government agency, hospital, hotel/restaurant, or educational institution.

PSY 3100 DEVELOPMENTAL PSYCHOLOGY (3 credits)

This course is designed to provide an understanding of the field of the study of human development across the lifespan with a focus on the interaction between physical, cognitive and psychosocial dimensions. The course will discuss the impact of said dimensions on the developing human being during all stages of life.

PSY 3200 THEORIES OF PERSONALITY (3 credits)

This course provides an overview of the basics of the science of personality focusing on identifying and understanding the person through individual differences, culture, and biology in light of current research trends in the field.

PSY 3210 SOCIAL PSYCHOLOGY (3 credits)

This course is designed to provide knowledge on the major theories and research in social psychology. Topics of discussion include what is social psychology and how does it affect us in our everyday life, social thinking, social influence, social relations and how these theories apply in research and in real life.

PSY 3850 SPECIAL TOPICS (1-3 credits)

Various topics in psychology. These may be one-time or occasional course offerings.

Prerequisite: Dependent on specific course content

SOCIOLOGY (SOC)

SOC 3000 PRINCIPLES OF SOCIOLOGY (3 credits)

Introduces students to the field of sociology and the sociological perspective. Provides students with three important tools: a basis for understanding how society operates; an understanding of the core sociological concepts, methods, and theories; and the ability to understand society from an objective point of view. Topics for this course include sociological theory, groups, family, bureaucracies, social class, power, deviance, interaction, inequality, organization, socialization, minority relations, community, and social change.

SOC 3010 WORLD CULTURE AND CUSTOMS (3 credits)

Designed to give students a global perspective by examining cultural regions of the world. Students will explore and analyze geography, economics, history, religion/philosophies, and value system, as well as cultural factors such as language, art, and music. The rationale for this course is to prepare students for the ever-growing interdependence of the world in which they live and work, and to help prepare them to be responsible and participating citizens of the 21st century global society.

SOC 3020 WOMEN IN AMERICAN CULTURE (3 credits)

Examines the changing image of women—women as seen by other women, women as seen by men, and individual women as they see themselves.

SOC 3450 CULTURE OF LEADERSHIP (3 credits)

An analysis of organizational factors that influence leadership and management skills. Key aspects include formal and informal groups, norms, sanctions, organizational change, morale, function of committees and teams, role of unilateral decisions, team work, empowerment, and ethical philosophy. Includes a self-appraisal of leadership and management strengths and areas for development.

SOC 3500 CULTURAL ANTHROPOLOGY (3 credits)

Study of how humans are affected by and can change culture. Topics include ethnography, language and communication, ecology and subsistence, kinship and family, identity, roles and groups, globalization and culture change, and applied anthropology. Theoretical and historical analysis will build upon or serve as a foundation for SOC 3010 which has a more contemporary focus.

SOC 3850 SPECIAL TOPICS (1-3 credits)

Various topics in sociology. These may be one-time or occasional course offerings.

Prerequisite: Dependent on specific course content

SPEECH (SPC)**SPC 2050 SPEECH COMMUNICATIONS (3 credits)**

Introduces students to the basics of public speaking. How can stage fright be handled? What techniques are necessary to engage an audience? How can the needs of different audiences be considered? How can visuals be designed and used effectively? What can be done so that verbal and nonverbal delivery is fluent? Addressing these questions requires students to examine their personal presentations in order to set improvement goals. The study will help engage students in the overall workings of public speaking. The course requires strict attendance, formal presentations, and impromptu presentations.

SPC 2800 COMPETITIVE SPEECH I (1 credit)

Emphasis is placed on building the skills necessary to compete in speech and Competitive Speech tournaments. The course includes selection of a speech category and topic, research, organizing and writing.

SPC 2810 COMPETITIVE SPEECH II (1 credit)

Emphasis is placed on continuing to build and improve the skills necessary to compete in speech and Competitive Speech tournaments. The course includes selection of a speech category and topic, including research, organizing and writing. New topics must be selected for each subsequent enrollment in Competitive Speech courses.

Prerequisite: SPC 2800

SPC 2820 COMPETITIVE SPEECH III (1 credit)

Emphasis is placed on continuing to build and improve the skills necessary to compete in speech and Competitive Speech tournaments. The course includes selection of a speech category and topic, including research, organizing and writing.

Prerequisite: SPC 2810

SPC 2830 COMPETITIVE SPEECH IV (1 credit)

Emphasis is placed on continuing to build and improve the skills necessary to compete in speech and Competitive Speech tournaments. The course includes selection of a speech category and topic, including research, organizing and writing

Prerequisite: SPC 2820

SPC 3000 ADVANCED COMPETITIVE SPEECH (3 credits)

Course designed for students who have completed Competitive Speech I – IV, and who have a high level of achievement in Competitive Speech competitions. Students serve as mentor and coach to lower-level students, under the guidance of the Director of Competitive Speech.

Prerequisites: SPC 2050, SPC 2830, Instructor approval

SPC 3850 SPECIAL TOPICS (1-3 credits)

Various topics in speech. These may be one-time or occasional course offerings.

Prerequisite: Dependent on specific course content

SPORT MANAGEMENT (SPM)**SPM 1010 INTRODUCTION TO SPORT MANAGEMENT (3 credits)**

Orients students to the field of sport management and provides an overview about how to manage sport enterprises for the major and non-major student.

SPM 1030 SPORT COMMUNICATIONS AND PUBLIC RELATIONS (3 credits)

Emphasizes academic and skill development with the purpose of adding value to the organization. There is a focus on understanding the difference between interpersonal, mass communications, and public relations. Theoretical foundations of interpersonal communication including dyadic and small group communication will be explored. Students delve into the theoretical foundations of mass communications and the mass media industry, including both the print and electronic media relative to the understanding of business decisions concerning market share and viewer ratings.

SPM 1040 COLLEGIATE ATHLETIC ADMINISTRATION (3 credits)

This course is designed to educate students on the management of sport within the setting that is higher education. Various trends and issues will be discussed; along with challenging students' typical line of thought. Specific topics include: NCAA governance and compliance, NACE governance, amateurism, and financial and societal analysis.

SPM 2010 SOCIOLOGY OF SPORT (3 credits)

Sport is so engrained within society that a sound knowledge in the study of sport in society is imperative to success in the field. The course will explore and support an appreciation of sport as a medium for integrating interest across gender, ethnic, religious, and disabilities. The student will be able to understand sociological phenomena and how they affect participation and behavior; identify and understand the internal and external factors that shape sport in a culture; understand how sport mirrors the society in which it exists; and be able to appreciate the contributions of recreational sport, as well as highly organized competitive programs in high school, college, and professional levels to a culture.

SPM 2030 RACQUET SPORTS COACHING (1 credit)

Introduces students to coaching principles, philosophies, and techniques unique to racquet sports through the Racquet Sports University Assistant Coach Certification. Students participate in hands-on, on-court experiences (minimum of 50 hours). Students will gain supervised experience in operating all aspects of a tennis facility, focusing on customer service, front desk management, and pro shop operations.

Prerequisite: Department chair approval

SPM 2040 PRACTICUM (1 credit)

This is a 50 hour practicum completed on a part-time basis. The practicum includes coursework and are generally with businesses near the campus. Students will gain experience by job shadowing and/or providing assistance for the organization. Directed and evaluated by the chair with appropriate supervision by an on-site professional.

Prerequisite: 30 credit hours completed

SPM 2150 HISTORY OF SPORT IN AMERICA (3 credits)

Provides sports management students with the study of historical forces, institutions, and personalities that have shaped sports and physical activity. Topics include sport in colonial America, the amateur ideal and professional sport of the 21st century, and the ethical, financial, management, and marketing developments in athletics today.

SPM 2550 EVENT AND PRODUCTION MANAGEMENT (3 credits)

This course is designed to give students experience in planning and executing sporting events, trade shows, or exhibitions with emphasis on pre-planning, budget preparation, advertising, and public relations. Designing, planning and developing an integrated marketing campaign will be explored to develop an understanding about contract negotiations and supplier agreements.

SPM 3010 SPORT MARKETING (3 credits)

This course explores marketing principles and resources for sport marketing. Includes how increasing attendance and revenue is achieved by developing an understanding of the how, who, what, and where to market information.

Prerequisite: MKT 2080

SPM 3030 RACQUET SPORTS MANAGEMENT (3 credits)

Students will enhance their coaching skills and gain practical understanding of the business side of racquet sports. They will learn from leading professionals in the racquet sport industry including coaches, directors, and industry innovators. In the course students will gain supervised experience (minimum of 150 hours) in operating all aspects of a tennis facility, focusing on event management, marketing, youth programs, and on-court activities.

Prerequisite: SPM 2030

SPM 3040 PRACTICUM II (1 credit)

This is a required 50 hour practicum completed on a part-time basis. The practicum includes coursework and are with businesses within close proximity to the campus. Students will gain experience by job shadowing and/or providing assistance for the organization. Directed and evaluated by the chair with appropriate supervision by an on-site professional.

Prerequisite: 30 credit hours completed

SPM 3100 ATHLETIC COACHING MANAGEMENT (3 credits)

This course will examine the coaching profession and the business principles which regularly apply to the coaching professional. The primary goal of the course is to develop and enhance students' knowledge and understanding of concepts and techniques of coaching and their application to achieving important objectives in working with athletes and organizations. After completion of the course the student will have an understanding of ethical, financial, legal, leadership recruiting and management strategies utilized in coaching.

Prerequisite: MGT 2300

SPM 3110 SPORTS ANALYTICS (3 credits)

This course is an introduction to the application of analytical tools and techniques used within the sports industry. It will discuss theory, development and application of analytics in the sports industry. In this course, students will examine the use of data for in- game strategy, economic impact/sports tourism, player performance, team management, facility operations, pricing strategies, team valuation, fan engagement, social media analysis, sponsorship metrics and fantasy sports among other areas.

Prerequisite: SPM 1010 and MTH 2310

SPM 3520 SALES AND REVENUE GENERATION (3 credits)

The course explores income opportunities within the sports industry. This includes sponsorships, ticketing, tax incentives, public financing, auxiliary events, event recruiting, fundraising, non-profits, personal seat licensing, and luxury suites. Students will be introduced to selling techniques, proposal writing and presentation development.

SPM 3710 SPORT CONSUMER BEHAVIOR (3 credits)

Focuses on the study of sport consumers' actions in the marketplace and explains consumers' behavior in this context. Students explore a broad and contemporary view of consumer behavior and its relationship to marketing action in the sport sector.

Prerequisite: SPM 3010

SPM 3850 SPECIAL TOPICS (1-3 credits)

Various topics in sport management. These may be one-time or occasional course offerings.

Prerequisite: Dependent on specific course content

SPM 3990 INTERNSHIP (3 credits)

The internship (a minimum of 150 hours) is designed to provide the student with supervised on-the-job training. A contract between the University, student, and employer provides the groundwork. Objectives, evaluations, written log, and a study of the organization are designed to provide a realistic learning experience.

Prerequisite: Department chair approval

SPM 4020 SPORT ECONOMICS (3 credits)

Provides students with an introduction to financial planning and budgeting, sport organization funding, and the fundraising process. Students analyze demand curves, supply curves, and market equilibrium curves in relation to pricing and utility or products or services. Students learn how to maximize residuals generated by product or service production.

Prerequisites: ECN 2210 and ECN 2220

SPM 4030 FACILITIES AND OPERATIONS MANAGEMENT (3 credits)

This course involves an in-depth investigation of event, risk, and facility management. This course will delve into budgeting and finance of facility concession and sport merchandising. Specific attention will be given to private and public sport facilities related to their similarities and differences. Included in this in-depth view of facility and event management, this course will also survey the working components of new facility design and planning, overall layout and traffic flow, the process of mega-shelters in catastrophic events, and the possibilities of expansion/renovations in existing venues

SPM 4040 SPORT LAW (3 credits)

Explores the various areas of law in relation to the sport industry, including both state and federal legislation. Students investigate liability and contract law related to sport and the sport industry. The course also explores collective bargaining agreements in relation to labor law.

Prerequisite: LAW 3000

SPM 4100 SPORT ETHICS AND LEADERSHIP (3 credits)

This course enhances student awareness of how ethical behavior and decision-making impacts the leadership roles of the sport manager. Leadership is explored from two different perspectives: 1) Focus on determinants and consequences of individual motivation and attitudes in organizations; 2) Theory related to those responsible for guiding people toward organizational goals.

Prerequisite: 60 credit hours completed

SPM 4300 SEMINAR IN SPORT MANAGEMENT (3 credits)

This is a capstone course for students who have completed all of the SPM core course requirements. Students apply their internship experience and develop a sport management project related to strategic management concepts.

Prerequisites: All SPM courses; 90 credits completed

ESPORTS MANAGEMENT (SPT)**SPT 2040 PRACTICUM (1 credit)**

This is a 50 hour practicum completed on a part-time basis. The practicum includes coursework and are generally with businesses near the campus. Students will gain experience by job shadowing and/or providing assistance for the organization. Directed and evaluated by the chair with appropriate supervision by an on-site professional.

Prerequisite: 30 credit hours completed

SPT 2100 ESPORTS EVENT MANAGEMENT (3 credits)

This course provides an in-depth examination of esports events and facilities. The course explores best practices as they relate to esports events as well as how esports venues differ from traditional sports venues. Students will gain experiential knowledge in esports event management through a class project.

SPT 3000 ESPORTS PERFORMANCE MANAGEMENT (3 credits)

This course involves an in-depth analysis of performance-oriented esports. Students will gain an understanding of products and substances used for enhancing performance, common esports injuries and their rehabilitation, and strength and conditioning programs designed for esports.

SPT 3040 PRACTICUM II (1 credit)

This is a required 50-hour practicum completed on a part-time basis. The practicum includes coursework and are with businesses within close proximity to the campus. Students will gain experience by job shadowing and/or providing assistance for the organization. Directed and evaluated by the chair with appropriate supervision by an on-site professional.

Prerequisite: 30 credit hours completed

SPT 3100 ESPORTS COACHING MANAGEMENT (3 credits)

This course focuses on the roles of the ESports coach and manager. Students will learn team and individual esports skill coaching and analysis. The course will explore the psychology of sport and the concept of Athletic Identity and its relation to the mental and physical side of athletic performance.

Prerequisites: SPM 1010 and MGT 2300

SPT 3990 INTERNSHIP (3 credits)

The internship (a minimum of 150 hours) is designed to provide the student with supervised on-the-job training. A contract between the University, student, and employer provides the groundwork. Objectives, evaluations, written log, and a study of the organization are designed to provide a realistic learning experience.

Prerequisite: Department chair approval

SPT 4100 SEMINAR IN ESPORTS MANAGEMENT (3 credits)

This is a capstone course for students who have completed all of the esports core course requirements. Students will examine in- depth topics relating to the finance, marketing, branding, and management of the esports industry.

Prerequisites: Completion of all SPT courses

SUSTAINABILITY MANAGEMENT (SUS)**SUS 3030 RESOURCE MANAGEMENT (3 credits)**

This course will examine the use of key natural resources and processes required for any enterprise; energy, water and raw materials. It will review the availability of these resources, measure their sustainability based on current global utilization and explore existing and emerging technologies and practices employed to manage and conserve these resources. This course will also explore the challenges of waste management, the development of sustainable supply chain processes and the development and integration of new technologies for reducing waste production and pollution.

Prerequisite: NSC 2100

SUS 3850 SPECIAL TOPICS (1-3 credits)

Various topics in Sustainability. These may be one-time or occasional course offerings.

Prerequisite: Dependent on specific course content

SUS 4100 SUSTAINABLE URBAN DESIGN (3 credits)

This course will focus on the broader concepts of sustainable design and development. Focus will be on how cities and residents can integrate natural surroundings and local resources into sustainable living designs. Students will learn about the most current trends in the integration of transportation, living environments, building design, landscaping, growth management, and land-use planning and zoning laws into sustainable urban designs. Student will research existing and planned communities incorporating these concepts.

Prerequisites: 60 credits

ACADEMIC POLICIES AND INFORMATION

Student Privacy

Northwood University is committed to safeguarding the privacy of personal information of its students in accordance with its policies, procedures and legal requirements, including the European Union's Global Data Protection Regulation and the Family Educational Rights and Privacy Act. The Student Privacy Policy describes how Northwood University collects, uses, processes, and shares students' personal information.

You can view the full Student Privacy Policy by visiting the Northwood University Compliance website at <https://www.northwood.edu/compliance>.

Northwood University Notification of Rights Under FERPA and The Directory Information Public Notice

The Family Educational Rights and Privacy Act (commonly referred to as "FERPA" or the "Buckley Amendment"), helps protect the privacy of student records. The Act provides students with the right to inspect and review education records, the right to seek to amend those records and, the right to limit disclosure of information from the records. The Act applies to all institutions that are the recipients of federal funding.

In accordance with FERPA, Northwood University has policies and procedures in place to protect the privacy of education records. Students will be notified of their FERPA rights annually by publication in the Undergraduate and Graduate Catalogs and by an annual email message to students at the beginning of the academic year.

Annual Notification to Students of Rights Under FERPA

FERPA affords students certain rights with respect to their education records. They include:

1. Right to Inspect and Review Records

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

2. Right to Request Amendment of Records

The right to request the amendment of the student's education records that the student believes are inaccurate, misleading, or otherwise violate the student's privacy rights under FERPA. Students should write the University official responsible for the record, clearly identify the part of the record they want changed, and specify why it should be changed. If the University decides not to amend the record as requested, the University will notify the student of the decision and advise the student of his or her right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.

3. Right to Consent to Disclosure

The right to provide written consent before the university discloses personally identifiable information from the student's education records, except to the extent that FERPA authorizes disclosure without consent (see "Disclosure of Education Records" below).

4. Right to File FERPA Complaints

The right to file a complaint with the U.S. Department of Education concerning alleged failures by Northwood University to comply with the requirements of FERPA. The name and address of the Office that administers FERPA is:

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

For more information on the Family Educational Rights and Privacy Act, visit the Office of the Registrar website, under **FERPA**.

Disclosure of Education Records

Northwood University will disclose information from a student's education record only with the written consent of the student, except:

1. To school officials who have a legitimate educational interest in the records.

A school official is:

- A person employed by the university in an administrative, supervisory, academic, research, or support staff position (including Campus Safety and Wellness Center staff);
- A person elected to the Board of Trustees;
- A student serving on an official committee, such as disciplinary or grievance committee, or assisting another school official in performing his or her task;
- A volunteer or person employed by or under contract to the university to perform a special task, such as legal counsel or an auditor;
- Agencies conducting business on behalf of Northwood University (i.e. National Student Clearinghouse, officials of the U.S. Department of Education and state and local educational authorities, accrediting organizations and banks).

Educational Need to Know:

A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibilities for Northwood University.

2. To officials of another school, upon request, in which a student seeks or intends to enroll.
3. To the Comptroller General, the Secretary of Education, state educational authorities or authorized representatives of the Attorney General for law enforcement purposes.
4. In connection with a student's request for or receipt of financial aid, as necessary to determine the eligibility, amount, or conditions of the financial aid, or to enforce the terms and conditions of the aid.
5. To organizations conducting certain studies for or on behalf of the university.
6. To accrediting organizations to carry out accrediting functions.
7. To comply with a judicial order or a lawfully issued subpoena.
8. To appropriate parties in a health or safety emergency.
9. To a parent or legal guardian of a student under the age of 21 of information regarding any violation of any federal, state, or local law or of any rule of policy of the University governing the use or possession of alcohol or a controlled substance if the University has determined that the student has committed a disciplinary violation with respect to such use or possession.
10. When the request is for directory information (see below).

If Northwood University discloses any information from a student's education record under one of the exceptions above, the University shall make a reasonable attempt to notify each student of the disclosures, unless the disclosure is initiated by a student.

Directory Information

Institutions may disclose information on a student without violating FERPA through what is known as "directory information." FERPA permits the release of directory information without a student's consent. Northwood University designates the following categories of student information as public or "Directory Information." Such information may be disclosed by the institution at its discretion.

- Corporate affiliation
- Degrees awarded, including dates (actual and expected)
- Dates of attendance
- Degree program (major field of study, concentrations and minors)
- Degrees and honors awarded (including Dean's List)
- Enrollment Status (including full or part-time)
- Honor Societies and Athletics
- Photo
- Previous institutions attended
- Class standing (freshman, sophomore, junior, senior, graduate student)
- Name, address, and phone number
- Email address

A student has the right to refuse to permit the designation of any or all of the categories of directory information. Any student wishing to exercise this right must inform the Northwood University-Office of the Registrar, in writing, on or before the start of the semester of the categories of personally identifiable information that are not to be designated as directory information with respect to that student.

Absence Policy

Attendance is expected as a sign of your interest and seriousness as a student. Excessive absences and tardiness can have an adverse effect on overall course achievement. Students should refer to their course syllabi for faculty absence policies.

Academic Appeals

There are academic appeal processes available to provide for appropriate processing of academic grievances. The “statute of limitations” for academic appeals is 30 days following the grievance.

Academic appeals must first be presented to the Academic Dean’s Office. Students who are not satisfied with the Dean’s decision may submit a last appeal to the Academic Vice President/Provost, who is the final arbiter of all academic matters. This appeal must be in writing and should explain all particulars, including reference to the previous level of appeal. This appeal should be sent by electronic mail to the Academic Vice President/Provost at the headquarters of the University in Midland, Michigan. The Academic Vice President/Provost will invite written input from others involved in the previous appeal based on copies of the appeal that will be provided to them. Copies of their responses will be sent to the person appealing, who will then have up to 10 days to respond in writing to their responses. Following this exchange, a written decision will be rendered.

Academic Calendar

Undergraduate (Traditional and NU Online Program) Academic Calendar 2026-2027

Fall Semester 2026

15 Weeks with 1 Week for Finals (Traditional) / 16 Weeks (NU ONLINE)

Classes Begin	Monday, August 24, 2026
Add (Traditional).....	August 24-28, 2026
Drop (Traditional)	August 24-September 4, 2026
Labor Day Holiday (No Classes)	Monday, September 7, 2026
Auto Show (No Classes-Traditional).....	Thursday & Friday, September 17-18, 2026
Last Day to Withdraw from Class (Traditional).....	Friday, November 6, 2026
Thanksgiving Break (No Classes)	Thursday & Friday, November 26 & 27, 2026
Final Exam Week (Traditional).....	Monday-Sunday, December 7-13, 2026
Classes End (online)	Sunday, December 13, 2026

Spring Semester 2027

15 Weeks with 1 Week for Finals (Traditional) / 16 Weeks (NU ONLINE)

Classes Begin	Monday, January 11, 2027
Add (Traditional).....	January 11-15, 2027
Drop (Traditional)	January 11-22, 2027
Spring Break	Monday-Friday, March 8-12, 2027
Last Day to Withdraw from Class (Traditional).....	Friday, April 2, 2027
University Wide Prof. Development & Campus Cleanup (No Classes).....	Thursday & Friday, April 22 & 23, 2027
Final Exam Week (Traditional).....	Monday-Sunday, May 3-9, 2027
Spring Commencement.....	Saturday, May 8, 2027
Classes End (online)	Sunday, May 9, 2027

Summer Semester 2027

12 Weeks

Classes Begin	Monday, May 17, 2027
Memorial Day Observance (No Classes).....	Monday, May 31, 2027
Classes End	Sunday, August 8, 2027

Notes:

- Please check with your advisor on the availability of compressed courses.
- Summer sessions are offered in a variety of delivery formats over the 12-week period. See summer course schedule for offerings.
- Calendars are subject to change prior to start date.

Academic Honors

Northwood University recognizes outstanding academic achievement of students at the end of each semester through the following honors a student may earn:

The President's List: Full-time students who in any semester have earned a cumulative GPA of "A" (3.85 or above) and who have no Is or Fs or ungraded courses will be on the President's List for that semester.

The Dean's List: Full-time students who in any semester have achieved a cumulative GPA of 3.25 to 3.84 and who have no Is or Fs or ungraded courses will be on the Dean's List for that semester.

Academic Integrity

Plagiarism and cheating

Plagiarism is the act of taking the words, ideas, strategies, formulas, compositions, research, or creative ideas of another and presenting them as if they were your own. In any presentation, creative, artistic, or research, it is the ethical responsibility of each student to identify the conceptual sources of the work submitted. Failure to do so is dishonest and is the basis for a charge of cheating or plagiarism, which is subject to disciplinary action. Plagiarism can be either intentional or unintentional, but in either case is a serious offense. Academic integrity is an important value at Northwood University. We consider all forms of cheating a serious academic infraction. Plagiarism and cheating may lead to expulsion from the University.

Academic Progress

Continued matriculation at Northwood University requires satisfactory academic progress demonstrated by the student in achieving basic scholastic goals. Academic achievement in any semester that results in a cumulative GPA below 2.0 places a student on academic notice. Students are subject to academic separation warning after two consecutive semesters of academic notice status. All academic programs have advising systems to assist the student in raising the earned cumulative GPA so that at scheduled graduation time the student will have had an opportunity to earn the necessary minimum 2.0 GPA and successfully complete [grade of 0.7 (D-) or better] all required courses in the curriculum.

During periods of academic notice, students may not carry more than 13 credits in order to achieve more concentration on less course work. Students whose cumulative GPA is not 2.00 or above at the end of the semester, including summer, following an academic separation warning may be academically separated from the university.

There is a sliding academic Separation level of performance, based on the cumulative GPA and the number of hours earned, to which every student is subject, and which can only be exempted on a semester-by-semester basis by the academic dean.

Academic Responsibility of the Student

Students must become familiar with the University's academic and other policies, curriculum requirements, and associated deadlines. While these are normally outlined in the University catalog, there may be amendments, updates, and corrections which the University will communicate through separate means, such as other publications and on the University website. Such changes to policies, procedures, and rules become effective for all students at the time of their implementation. The academic staff will advise students on all matters related to their programs of study and will aid students in the interpretation of policies whenever necessary. However, it is ultimately each student's responsibility for meeting all pertinent and most current requirements for the degree and the policies related thereto.

Students also have responsibility to actively use their Northwood University email and the University website as it is a major communication resource and is often our primary communication with our students.

Students who travel on behalf of Northwood University to industry shows and competitive events must have a 2.3 or higher cumulative GPA at the time the trip information is due to the Academic Office.

Academic Separation

Students accepted on academic probation are subject to review at the end of the first semester of attendance. Failure to achieve a cumulative GPA of 2.0 or above will lead to consideration for academic separation at the end of the first semester of study at Northwood University. A student who attempted but did not earn academic credits during a given semester will be considered for immediate academic separation at the end of that semester, including summer.

All students, whether new or continuing, must meet the following criteria for Satisfactory Academic Progress (SAP) or be subject to academic separation. At the end of each academic year, the Academic Separation Committee will review the record of each student who has not met criteria for SAP.

Pace of Progress Toward Degree Completion (Quantitative) - Students must earn at least 67% of credit hours attempted.

Minimum GPA Requirements (Qualitative) - The following table details the minimum cumulative Grade Point Average (GPA) requirements.

Semester Hours Earned	Minimum Cumulative GPA
1-15	1.70
16-29	1.80
30-59	1.90
60 or more	2.00

The final academic separation decision rests with the campus Academic Dean and the Academic Vice President/Provost. Separations from the university will be communicated, in writing, to the student. Upon separation, a student is no longer eligible to attend Northwood University.

Academic separation appeals must be submitted in writing to the Academic Vice President/Provost of Northwood University who makes the final determination in the case of an appeal.

Attendance Policy

Attendance is taken through the census period and recorded in Blackboard, the University's secure Learning Management System.

Attendance is expected as a sign of your interest and seriousness as a student. Excessive absences and tardiness can have an adverse effect on overall course achievement. The administration provides faculty with information concerning excused absences such as field trip participation and other university-related activities that take students away from class so that faculty can make judgments about the nature of student absences. Students must assume full responsibility for work missed when they are absent. Absences do not automatically lower a student's earned grade by any universal formula. Students should refer to their course syllabi for specific faculty absence policies.

Course Offering Changes

Courses to be offered each semester are indicated in class schedule listings available on the Northwood website. Northwood may drop any course from the schedule of academic offerings if the enrollment is not sufficient to warrant its instruction.

Course Load

The normal course load for Northwood undergraduate students is 15 to 16 credit hours per semester. Students who wish to enroll for more than 18 credits per semester, must apply to the Academic Dean for permission to take an overload.

Credit Hour Policy

Northwood University complies with the federal credit hour definition for all of its credit-bearing academic courses in all delivery formats and modalities. This policy provides consistent standards across program areas and meets the requirements specified by the Higher Learning Commission and federal regulations. Northwood adheres to these standards to ensure that students have an equivalent opportunity to achieve the Student Learning Outcomes in the respective courses. Courses offered in timeframes shorter than a semester or delivered in modalities other than traditional face to face format must have an equivalent number of hours dedicated to instruction and student work as that spent in a semester-based class.

Disability Services Eligibility

In accordance with the Americans with Disabilities Act of 1990 and Section 504 of the Disabilities Act of 1973, Northwood University provides accommodations for students with documented disabilities. Students are urged to make their needs known as soon as they are admitted to the University. Refer to <http://www.northwood.edu/> for more detailed information regarding services and service contacts at specific locations.

Northwood University will make every reasonable effort to accommodate the needs of disabled students at every instructional center. However, not all of the previously existing buildings have been retrofitted to American with Disability Act (ADA) standards.

Also under Section 504 of the Rehabilitation Act (1973), Northwood University provides academic accommodations for students with learning deficiencies.

Finalizing the Academic Record

Once the degree is conferred at the date of graduation, the academic record is considered complete and final. No further changes will be made unless there is a documented clerical error. It is the responsibility of the student to notify the Registrar's Office of a clerical error within 30 days of the graduation date.

If readmitted to the college, a student may return and take additional Northwood University coursework toward additional majors or minors. Course repeats are not permitted after a degree is awarded. No additional transfer coursework (including AP, CLEP, DANTES and IB) will be accepted after the degree is conferred.

Grading Policy

To be considered in good academic standing, students must maintain a minimum 2.0 cumulative GPA. The cumulative GPA is calculated from the grades received for courses completed. The designations of W, P, I, or Z are not included in the GPA calculation. However, these grade designations are counted when calculating the cumulative completion percentage for financial aid recipients. This policy is in effect for all certificate, diploma, and degree-seeking students. Following is the grading system of the University.

Letter	Honor Points	Interpretation
A	4.0	Excellent
A-	3.7	
B+	3.3	
B	3.0	Above Average
B-	2.7	
C+	2.3	
C	2.0	Average
C-	1.7	
D+	1.3	
D	1.0	Unsatisfactory
D-	0.7	
F	0.0	Failure
P	0.0	Pass
I	0.0	Incomplete
W	0.0	Withdrawn
X	0.0	Audit
Z	0.0	Deferred
NC	0.0	No Credit

Interpretation

A = Excellent: This grade reflects achievement of the highest order. Assignments and tests are structured to permit clear differentiation at this upper, narrow range. Rarely would more than ten percent (10%) of a group be capable of achieving this level, as assignments and tests are structured to challenge the most capable students.

B = Above Average: This grade reflects achievement clearly above average standards. This level of achievement is one that stretches the person of average ability to accomplish it. Persons achieving in this range exhibit good comprehension of the subject matter with minor flaws.

C = Average: This grade reflects average, ordinary achievement. Achievement and performance at this level are satisfactory and meet minimum standards. More flaws are evident, some of a serious nature. The greatest proportion of grades falls in this range, unless there is an extraordinary group distribution.

D = Unsatisfactory: This grade reflects poor, unsatisfactory achievement below minimum standards. Major flaws are present, but there is some competence to reflect segments of course content. A grade of D- is the minimum passing grade.

F = Failure: This grade reflects poor, unsatisfactory achievement below minimum standards. Achievement is very flawed with little competence to reflect segments of course content. No credit hours are earned. A course in which a grade of F is earned must be retaken and successfully completed if that course is required for the curriculum in which the student is enrolled (see Repeating Courses)

P = Pass: This grade reflects completion of a course with a pass/fail option or a test out with an earned grade of at least a C. No honor points are awarded.

I = Incomplete: This grade reflects an extraordinary, uncontrollable interruption in completion of course requirements. It is not to be used in the case of a missed test, term paper, etc., unless the incomplete work is caused by the student's hospitalization or an extreme emergency that takes the student away from classes for a week or more. All incompletes are subject to review by the Registrar. Incompletes not made up become Fs at the end of 90 days.

W = Withdrawn: This grade reflects student withdrawal from a class by the end of the designated last day to withdraw from a class (eleventh week of the semester for standard 15 week semester courses). Student withdrawals occurring after those times are recorded as F. Withdrawals from the University (and all courses) before final exams result in grades of W.

X = Audit: This grade should be used to reflect the presence of a student in a course on an audit basis. The student has completed course work but has elected that no college credit be attached. Not all courses are available on an audit basis. Where audits are available, charges are one-half of normal tuition.

Z = Deferred grade: This grade is used to reflect an internship that is still in progress. The Z grade will be replaced when a grade is submitted; if no grade is submitted, the Z grade becomes an F.

NC = No Credit. This grade is used to reflect that the student has completed course work but has elected that no college credit be attached. A course in which a grade of NC is earned must be retaken and successfully completed if that course is required for the curriculum in which the student is enrolled (see Repeating Courses).

Grade Appeals

Northwood faculty have the authority and obligation to assign appropriate grades and to conduct classes within the context of University academic policies. Hence, the first level of grade appeal is to the professor whose decision is questioned.

Students who are not satisfied with the decision of the professor to whom they appealed may subsequently appeal to the faculty department chair and then to the Academic Dean's Office. The Academic Vice President/Provost makes the final decision in all grade appeal cases.

The "statute of limitations" for grade appeals is 30 days following the grievance.

Graduation

Graduation Requirements

- Completion of a minimum of 120 semester hours.
- Completion of 30 semester hours of academic credit at Northwood University.
- Successful completion of the program requirements.
- An overall cumulative grade point average of 2.0 or better.
- Application for graduation.
- Recommendation of the faculty with approval by the Board of Trustees.

Graduation with Distinction

In addition to semester honors, Northwood recognizes students who have maintained high academic achievement throughout their education through the following graduation honors. A student is required to earn 30 semester hours of credit through Northwood University to be eligible for one of these graduation honors. Please note that grade point averages are not rounded. Degree honors are awarded as follows:

Cum Laude: A cumulative GPA of at least 3.5.

Magna cum laude: A cumulative GPA of at least 3.7.

Summa cum laude: A cumulative GPA of at least 3.9.

Graduation Honors – Valedictorian/Salutatorian

The valedictorian shall be that student in the traditional undergraduate program graduating class who has earned a minimum of 60 credits at Northwood University and has maintained the highest cumulative GPA in the graduating class. In the event of a tie for highest cumulative GPA, the student with the greatest number of earned Northwood credits will be valedictorian and the other student will be salutatorian.

The salutatorian shall be that student in the traditional undergraduate program graduating class who has earned a minimum of 60 credits at Northwood University and has maintained the second-highest cumulative GPA in the graduating class. In the event of a tie for second highest cumulative GPA, the student with the greatest number of earned Northwood credits will be salutatorian.

Leave of Absence & Withdrawal Process

Northwood University does not have a formal leave of absence policy. Instead, a student can request an institutional withdrawal, in writing, when personal circumstances interfere with their ability to make satisfactory progress toward degree completion. The student must withdraw from all current courses. The student must go through the standard admission procedure to be readmitted. There is no time limitation on when a student can reapply for admission nor is there an application fee for this process.

Online Registration

All students register for classes (face-to-face, online, hybrid) using Student Planning on the my.northwood.edu portal. Registration information is posted on my.northwood.edu.

Through registration information postings (or supplementary emails), the student receives a registration time slot, a schedule of upcoming classes, and instructions for online registration. It is the student's responsibility to follow these instructions and register or make schedule adjustments at the times specified. Students can access their my.northwood.edu portal from any computer with Internet access. Students do not have to be on campus to register.

Records Retention Policy

Northwood University has adopted the recommended Records Retention Policy as identified by the American Association of Collegiate Registrars and Admission Officers (AACRAO). The following documents that are permanently maintained by the university are listed below:

Documents
FERPA Forms
Official High School and College Transcripts
Credit for Prior Learning Evaluations
Test Scores (e.g., ACT, SAT, AP, TOEFL)
Transcript Evaluations

Repeating Courses

Courses for which a student has earned a grade of F must be repeated if the course is required in the student's curriculum plan. A failed course may be repeated at another institution, and transfer credit will be awarded; however, the Northwood cumulative grade point average will not be affected. Students are encouraged to repeat a failed course at Northwood. Students who wish to improve their achievement level may elect to retake a course at Northwood if they earned a C- or below in that course; courses in which grades of C or better are earned may not be retaken. The letter grade earned in the most recent attempt will replace the prior grade in the calculation of cumulative credit totals and grade point average, even if that grade is lower than the previous grade. All grades will be included on a student's transcript.

Schedule Adjustment

Using their my.northwood.edu account, students may adjust their schedules by dropping or adding courses during the specified schedule adjustment period.

Student Awards

On the residential campus, an awards system of academic, curriculum, leadership, and other factors is used to recognize outstanding achievements by graduates. Trophies, cash, and other forms of recognition are used to express honor and appreciation. The faculty, students, and student groups develop the rules and conduct the elections for the various awards. A special Honors Convocation is held to formally present these awards.

Student Complaints

Northwood places high importance on obtaining feedback from students and responding to areas of concern in a timely manner. Complaints are addressed informally and formally. Each operating unit/program area has a process for collecting, analyzing, and addressing formal student complaints. Formal complaints must be in writing. Northwood logs complaints and ensures timely tracking of response(s) and outcomes for each. The University regularly reviews complaints to determine potential systemic issues/themes and identify opportunities for improvement. Northwood communicates the process through a variety of means including student orientation and Student Handbooks. Students with a formal complaint or wishing to learn more about the complaint process should contact the Academic Vice President/Provost at the Residential Campus or the Dean at the respective operating unit – DeVos Graduate School of Management, NU Online Program, or International Programs.

Recent amendments to the Higher Education Act of 1965 include changes in regulations for State Authorization that may impact online, distance, and correspondence education providers. In compliance with the language passed in the Higher Education

Opportunities Act of 2008, the U.S. Department of Education (USDOE) determined that institutions offering distance education must provide enrolled and prospective students with contact information for filing complaints with its accrediting agency and with the appropriate state agency for handling complaints in the student's state.

Students are encouraged to use Northwood University's internal complaint procedures prior to filing a complaint with a state agency or agencies. The regulations require states to provide the opportunity for students to lodge the following types of complaints:

- Allegations of state consumer protection violations, including, but not limited to fraud and false advertising.
- Allegations that state laws or rules addressing the licensure of postsecondary institutions have been violated.
- Allegations regarding the quality of education or other accreditation requirements.

Alaska	Alaska Commission on Postsecondary Education http://acpe.alaska.gov/ABOUT_US/Consumer_Protection
Arizona	Arizona State Board for Private Postsecondary Education https://ppse.az.gov/complaint
California	Bureau for Private Postsecondary Education www.bppe.ca.gov/enforcement/complaint.shtml
Colorado	Colorado Department of Higher Education http://highered.colorado.gov/Academics/Complaints/default.html
Connecticut	Office of Higher Education http://www.ctohe.org/studentcomplaints.shtml
Delaware	The Delaware Department of Education The Delaware Department of Education will investigate complaints. Such complaints must be in writing and verified by the signature of the person making the complaint. Oral, anonymous or unsigned complaints will not be investigated. Until the web site is functional, please write or call for more information. The Delaware Department of Education; Teacher and Administrator Quality; John W. Collette Resource Center; 35 Commerce Way; Dover, DE 19904. The Delaware Department of Education phone number is 302-857-3388.
District of Columbia	Office of the State of Superintendent of Education http://osse.dc.gov/service/education-licensure-commission-elc-public-complaints
Florida	Florida Department of Education http://www.fldoe.org/policy/cie/file-a-complaint.stml
Georgia	State of Georgia Nonpublic Postsecondary Education Commission http://gnpec.org/consumer-resources/
Hawaii	Hawaii Postsecondary Education http://cca.hawaii.gov/hpeap/student-complaint-process/
Idaho	Idaho State Board of Education http://www.boardofed.idaho.gov/priv_col_univ/student_complaint.asp
Illinois	Illinois Board of Higher Education http://complaints.ibhe.org/
Indiana	Indiana Commission for Higher Education http://www.in.gov/che/2744.htm
Kansas	The Kansas Board of Regents http://www.kansasregents.org/academic_affairs/private_out_of_state/complaint_process
Kentucky	Kentucky Council on Postsecondary Education http://cpe.ky.gov/forstudents/consumercomplaints
Louisiana	Board of Regents State of Louisiana http://www.regents.la.gov/page/StudentComplaints
Maine	Maine Department of Education, Office of Higher Education Complaints shall be addressed in writing to the Maine Department of Education, Office of Higher Education, 23 State House Station Augusta, Maine, 04333, with specific facts and allegations and signed by the complainant. The school shall be notified of any complaints which are to be investigated.
Massachusetts	Massachusetts Department of Higher Education http://www.mass.edu/forstudents/complaints/complaintprocess.asp
Michigan	Licensing and Regulatory Affairs (LARA) http://www.michigan.gov/lara/0,4601,7-154-61343_35414_60647_2739---,00.html
Mississippi	Mississippi Commission on College Accreditation http://www.mississippi.edu/mcca/downloads/studentcomplaintform.pdf
Missouri	Missouri Department of Education http://dhe.mo.gov/contactus.php
Montana	Montana University System http://mus.edu/MUS-statement-of-complaint-process.asp

Nebraska	Nebraska Coordinating Commission for Postsecondary Education http://www.ccpe.state.ne.us/publicdoc/ccpe/complaint.asp
Nevada	Commission on Postsecondary Education http://www.cpe.state.nv.us/CPE%20Complaint%20Info.htm
New Hampshire	New Hampshire Department of Education http://www.education.nh.gov/highered/compliance-allegation.htm
New Jersey	State of New Jersey Office of the Secretary of Higher Education http://www.state.nj.us/highereducation/
New Mexico	New Mexico Higher Education Department http://www.hed.state.nm.us/institutions/complaints.aspx
New York	New York State Education Department http://www.highered.nysed.gov/ocue/spr/COMPLAINTFORMINFO.html
North Carolina	University of North Carolina General Administration http://www.northcarolina.edu/sites/default/files/documents/student_complaint_form.pdf
North Dakota	North Dakota University System https://www.ndus.edu/system/state-authorization/
Ohio	Ohio Higher Ed Department of Higher Education https://www.ohiohighered.org/students/complaints
Oklahoma	Oklahoma State Regents for Higher Education http://www.okhighered.org/current-college-students/complaints.shtml
Oregon	Higher Education Coordinating Commission http://www.oregon.gov/HigherEd/Pages/complaints.aspx
Pennsylvania	Pennsylvania Department of Education http://www.education.pa.gov/Postsecondary-Adult/College%20and%20Career%20Education/Pages/Students-Complaints.aspx#.ViZEqunluUk
Rhode Island	Rhode Island Board of Governors for Higher Education http://www.ribghe.org/students.htm
South Carolina	South Carolina Commission on Higher Education http://www.che.sc.gov/Students.FamiliesMilitary/LearningAboutCollege/ConsumerInformation.aspx
South Dakota	South Dakota Office of the Attorney General http://atg.sd.gov/Consumers/HandlingComplaints/ConsumerComplaintForm.aspx
Tennessee	Tennessee Board of Regents https://www.tbr.edu/academics/program-integrity-student-complaint-form
Texas	Texas Higher Education Coordinating Board http://www.thecb.state.tx.us/index.cfm?objectid=C9BD55D4-C5A3-4BC6-9A0DF17F467F4AE9
Utah	Utah Department of Commerce http://consumerprotection.utah.gov/complaints/index.html
Vermont	Vermont Department of Education, State Board of Education http://education.vermont.gov/new/pdfdoc/pgm_postsecondary/EDUComplaint_Resolution_Statement_f or Postsecondary_Education_Matters.pdf
Virginia	State Council of Higher Education for Virginia http://www.schev.edu/students/studentcomplaint.asp
Washington	Washington Student Achievement Council http://www.wsac.wa.gov/protecting-education-consumers
West Virginia	West Virginia Higher Education Policy Commission http://www.wvhepc.edu/inside-the-commission/special-initiatives/state-authorization-reciprocity-agreement-sara/
Wisconsin	State of Wisconsin Educational Approval Board http://eab.state.wi.us/resources/complaint.asp Educational Approval Board 431 Charmany Drive, Suite 102 Madison, WI 53719 Phone: 608-266-1996; Fax: 608-264-8477 Email: eabmail@eab.wisconsin.gov
Wyoming	Wyoming Department of Education http://edu.wyoming.gov/beyond-the-classroom/school-programs/private-school-licensing/

Student Records

The Registrar's Office is responsible for maintaining academic records on each student. Permanent retention of records include documents such as the original application; letter of acceptance to Northwood; results of orientation placement tests; standardized test results; grades; transfer credit evaluations; letters of award, honor, or academic notice; and cumulative transcripts. A complete listing of the university records retention policy can be obtained from the Registrar's Office.

Official Northwood University transcripts can be sent to third parties upon receipt of a transcript request through the National Student Clearinghouse at <https://tsorder.studentclearinghouse.org>. Some restrictions apply.

The student can obtain unofficial transcripts by forwarding a completed transcript request form to the Registrar's Office pursuant to the Family Educational Rights and Privacy Act of 1974, Federal Law 93-380. Grades and unofficial transcripts are available on Student Planning.

Tardiness

Tardiness can have an adverse effect on overall course achievement. Northwood University does not have a formal tardiness policy; it is left up to the individual instructor. Students should refer to their course syllabi.

Test-Out Policy

Students may attempt to test out of certain courses, for a fee, with a maximum of 30 credits permitted. Credit for the course will be granted if a grade of C or better is achieved, but no honor points will be awarded. Test-outs may be attempted only once and may not be used to repeat a course.

Transfer Credit

Northwood University accepts transfer credit from institutionally accredited colleges and universities and other approved sources consistent with university policy. To be eligible for transfer, undergraduate coursework must be completed with a grade of C (2.0) or higher and be comparable in content, level, and academic rigor to Northwood University coursework.

Transfer credit is evaluated by the Office of the Registrar. Accepted transfer coursework may be applied toward degree requirements, major requirements, or elective credit as determined by the University. Grades earned at another institution do not transfer and are not calculated into the Northwood University grade point average.

The University reserves the right to determine the applicability and acceptance of all transfer credit.

Transferability of Credit

As an institution accredited by the Higher Learning Commission, Northwood University's academic credit is recognized by other institutionally accredited institutions. However, the receiving institution makes the determination as to whether credits count toward a student's desired degree or program of study.

STUDENT AFFAIRS

The Student Affairs Department provides programs, resources, services, and personnel primarily concerned with providing a value-added experience to the educational opportunities outside of the classroom. Often, academic and non-academic opportunities overlap and Student Affairs, with associated departments, is staffed with professionals who are advocates for students and their needs. They are ready to assist students in resolving conflict and removing barriers to find ways to improve academic performance and the educational experience.

Activities and Organizations

Northwood University believes that a successful student is one that is well rounded with a passion for being involved, accepting new challenges, and making a difference. These students are better prepared for the challenges they may face in the business world post-graduation. Northwood University provides countless opportunities for its students to get involved and make the most of their educational experience.

Activities range from professional and social clubs, intercollegiate, intramural, and club sports, recreational activities, social activities, and more. Participation in co-curricular activities allows students to use their leisure time productively while making new friends, developing their leadership skills, and their ability to be effective in group situations.

Northwood recommends that students involved in all co-curricular activities maintain an above average grade point average.

Students with interests in specific areas outside their curriculum are encouraged to form other organizations to pursue those interests. The staff and faculty of the University will provide assistance in establishing such groups.

A complete listing of Registered Student Organizations and can be located at www.northwood.edu/student-life/rso.

Academic Advising and the Student Success Network

Academic advising is provided for each Northwood student. Individual attention is given to a course of study selection commensurate with the student's potential, area of interest, and academic background. Strength in the breadth of educational study is encouraged together with the intended area of specialization. Continued advisement throughout the student's program at Northwood is available to aid the student in self-appraisal and the development of traits and abilities of self-discipline that would identify those values necessary for successful academic performance. Specialized advising is available for international students.

A student success network model links the academic and personal lives of students. This comprehensive program takes a development approach by helping each student to explore his or her academic, career, and life goals, as well as the potential barriers blocking the fulfillment of those goals. This complex process involves the selection of appropriate courses and curricula consistent with the self-management skills necessary to resolve personal problems and interpersonal conflicts.

All first-year students are required to register and participate in a three-semester leadership foundational curriculum. These on-campus courses explore topics such as self-awareness, career planning and effective leadership. Freshmen enroll in their first leadership course in the fall semester. Students receive information on the University environment and holistic factors that aid in their success to include problem solving, communication, and critical thinking components. Freshmen continue with a second leadership course in the spring semester. Students reflect and focus on the professional goals that will guide them to their future career. The third leadership course continues into the first semester of the sophomore year. This course connects leadership, Northwood University's culture and student success. Students prepare for leadership roles at the University and beyond by exploring leadership styles, theories and strategies for personal and academic success.

Bookstore

The Northwood University Bookstore operates course material auto-fulfillment programs for undergraduate and graduate students to ensure students are prepared for class on day one. The NU Book Pack program is for all undergraduate students, with all students having their course material auto-fulfilled prior to class start for an affordable fee per credit hour. Graduate students will also receive their course materials through an auto-fulfillment model (except MBA students), and can select their preferred format and price online in the bookstore student portal. MBA student course materials are included with tuition and provided by the instructor in Blackboard Learn. Undergraduate and graduate students who choose to opt out of the NU Book PACK will still have the flexibility to purchase course materials individually through the bookstore's website or in-store. In addition to course materials, the Northwood University Bookstore offers an exciting selection of general merchandise available both online and in-store, including Northwood-branded apparel, gifts, school supplies, and other campus essentials.

Career Services Center

Career Services is an integral part of fulfilling Northwood's mission in developing the future leaders of a global free-enterprise society. To facilitate life-long career success, Northwood has a Career Services Center, which coordinates and assists with job search readiness and potential employment opportunities. The campus Career Services Center serves all traditional, online, graduate students and alumni for life.

The career development process begins at Northwood with new student orientation and follows students throughout their academic careers at the university and beyond. While attending Northwood, students can explore many companies and career paths. These opportunities are presented during the academic process as well as through company information sessions presented outside the classroom.

During a student's first year of study, they are encouraged to begin working on their career path. Resume and cover letter writing assistance, the interview process with mock interviews, LinkedIn and special topics are covered in workshops presented throughout the year by the Career Services Center.

Some Northwood curricula require an internship before completion of requirements for the Bachelor of Business Administration degree and the BBA/MBA program. Career Services staff work closely with curriculum chairs, employers, and students to aid in the completion of this requirement, including adding new employer partnerships every academic year.

Through the years, Northwood University has developed close, long-term relationships with many employers that represent our various curricula. Company representatives visit the campus to interview those who are about to graduate and seek employment. Additionally, off-campus interviews are scheduled depending on the requirements of the employer. The reputation of Northwood graduates is outstanding, and employers come to Northwood seeking the best talent. Northwood students are well sought after because they have been prepared to assume roles in several fields and have the right portfolio of skills, attitudes, and values.

The on- and off-campus recruiting schedules are supplemented by employers who contact the Career Services Center about positions that are currently available. Through Northwood's online job platform, [Handshake](#), opportunities with companies are posted (internship, co-op, part-time, and full-time). Students and alumni can upload resumes and apply for positions based on meeting all qualifications. Employers can review the resumes and select candidates for interviews directly or via the Career Services Center. Additionally, students can participate in university sponsored career fairs, employer information sessions, workshops and networking opportunities.

Handshake Network is available to traditional, NU Online, graduate students, and Alumni from all Northwood programs. For the convenience of all Northwood students, the Career Services Center has information and resources posted on the Northwood University website located at <https://www.northwood.edu/career-services>

The Career Services Center supports and contributes to the Career Services Alcove Collection in the Strosacker Library (MI), as well as the Career Services Center office, where more career assistance information is maintained.

Counseling

The Northwood University Counseling Center is located in Lower Miner and is available for professional personal counseling for all Northwood students. The counseling staff consists of one full time licensed counselor and part time interns and has on-campus office hours available to provide confidential counseling for personal, psychological, social, and behavioral concerns, as well as issues with the use of alcohol or other drugs. More information is located at <https://www.northwood.edu/student-life/health>

Cultural Arts Events

Cultural Arts Events provide opportunities for Northwood students to understand and appreciate the importance of the arts and humanities in their personal lives and their value as a business tool. Programs are guided by Northwood's principle, "The Arts and Business Make Good Partners," and focus on exposing students to various art forms while relating their experiences to creativity and entrepreneurship. Guests from business, industry, the arts, and government provide campus activities throughout the year. Among the wide variety of experiences offered to students to support the philosophy are art exhibitions, guest lecturers, performing artists, musical events, and competitions. Social activities include dinners, dances, receptions, and other forms of entertainment, which generally are sponsored both by the University and student activity groups.

Food Services

Modern dining room facilities are provided for students. Meals are served regularly at least three times a day. Students with special dietary needs may see the Food Service Director for assistance.

All Miner Hall, Dubois Hall, and Naegele Village resident students have housing and meals as a part of their plan. North Village residents as well as non-resident students (commuters) may also purchase a meal plan for each semester. Please contact the Food Service Department for specific arrangements.

Hach Student Life Center

The Hach Student Life Center is a 62,217 square foot recreation facility built in 2002. The Center is a recreational, intramural, and fitness complex built to complement the Bennett Sports Center. The center features three multi-purpose basketball, volleyball, pickle ball and badminton courts that are utilized for a wide range of sports, a four-lane running track, a fitness center equipped with circuit weight training systems, elliptical trainers, stair steppers, bikes, dumbbells, benches and mats, a multi-use/wellness room, and locker rooms equipped with shower and sauna facilities. The lobby area serves as a check-in point and houses the Wolf Den Cafe and leisure areas equipped with network connections for laptop computers.

24-Month Evening MBA program students can currently purchase a membership for \$90 per semester. Membership for 12-Month Daytime MBA program students is included in the cost of the program.

Housing

All students in their first and second year following their graduation from High school are required to live in on campus housing unless they live with a parent or guardian within a 50 mile radius of campus or are married. Additional exemptions to the residency requirement are considered on an individual basis. Specifics on the criteria and process are available from the Housing Office and are outlined in the Northwood University Housing and Food Contract.

Northwood maintains campus housing units. Separate units are available for men and women on the residential campus. Resident Housing Directors and/or Resident Advisors provide supervision and guidance in all units. Visitation hours are established by the University and are published by the Housing Office. For health reasons, no pets may be kept in on-campus housing.

Because the demand for on-campus housing is greater than the supply, juniors, and seniors who wish to reside on campus must participate in a housing sign-up process to determine housing assignments. The sign-up process is conducted during Spring Semester for the following school year.

Along with the housing staff, student organizations play an integral part in the planning and implementation of resident events and activities. Northwood takes the responsibility for placing all required resident students in housing. Assigned occupants of each room are financially responsible for keeping the room and its contents in good order and free from damage either by themselves or their guests. Residents are liable for damage to University property. If a student does not return the room in good order, their room deposit fee will be debited for the cost of the repairs.

Intercollegiate and Intramural Athletics

In recognition of the need for healthful, competitive physical activity, organized sports participation is encouraged on the residential campus. A variety of varsity and club sports and intramural programs are available.

Northwood University is a Division II member of the National Collegiate Athletic Association (NCAA). The Timberwolves compete in the Great Midwest Athletic Conference (GMAC). In addition to Northwood University, conference members include Ashland University, Cedarville University, University of Findlay, Hillsdale College, Kentucky Wesleyan College, Lake Erie College, Malone University, Ohio Dominican University, Thomas Morre University, Tiffin University, Ursuline College, and Walsh University.

Varsity sports include football, men's and women's tennis, women's volleyball, men's and women's soccer, men's and women's basketball, baseball, men's and women's golf, women's softball, men's and women's track and field, men's and women's cross country and men's and women's lacrosse. Current club teams feature Hockey (ACHA D1 and D3 teams), Bowling, Cheerleading and Powerlifting. In Esports, the Timberwolves support various games including Valorant, Rocket League, Overwatch 2, League of Legends, Counter-Strike 2, Super Smash Bros., and Rainbow Six Siege. For more specific information about the Timberwolves' NCAA and Emerging Sports teams, see www.gonorthwood.com.

Intramural programs and sports can include flag football, soccer, basketball, whiffle ball, softball, and floor hockey. In addition to these sports there are numerous one-day tournaments including powder-puff football, table tennis, 3-on-3 basketball, and slow-pitch softball.

Reporting

The following reports are mandated by the Student Right-to-Know and Campus Security Act of 1990 and the Equity in Athletics Disclosure Act of 1994 and are available upon request to all current students, prospective students, and the public:

- **Campus Security Report** – This report discloses data on crimes committed on campus, as well as campus safety policies and procedures. The report may be viewed at <http://www.northwood.edu/compliance>.
- **Equity in Athletics Report & Athletics Revenue and Expense Report** – These reports provide information on the intercollegiate athletic programs at the University. Specifically, they disclose data on student athlete participation, coaches' participation, recruiting expenses, athletic aid, average coaches' salaries, operating expenses, and overall athletic revenues and expenses. These reports are available annually after October 15 and can be requested from the University Title IV Compliance office.

Soliciting, Selling, and Publicizing

No student, student organization, or outside organization shall engage in advertising or selling any goods, services, or tickets; solicit for any purpose whatsoever on Northwood University's property or in University operated buildings; without first obtaining written approval from the Dean of Student Affairs Office. Contact the Dean of Student Affairs who will obtain approval from the Director of Compliance & Tax Matters. Food that is sold on campus must be purchased from or have approval through Food Services. For additional details, please reference the Student Handbook.

Security

The residential campus engages a professionally licensed security service provider to perform specific guard and patrol responsibilities. Campus security officers are supervised by the Director of Security and are responsible for securing buildings and grounds, traffic regulations, and parking control. Officers are available 24 hours a day, 7 days a week to respond to requests for assistance from students, faculty, and staff. Campus Security personnel have the authority to enforce all campus policies and state laws. These officers do not carry weapons nor do they have arrest powers. Northwood University maintains a very strong relationship with city and county law enforcement agencies. These agencies are contacted to assist with some on-campus complaints. The city and county agencies also notify Northwood University officials of off-campus incidents that involve Northwood students.

Students are expected to assume responsibility for their property and personal safety by making sound decisions and reporting any concerns to security immediately. Crimes should be reported to ensure inclusion in the annual crime statistics and to aid in providing timely warning notices to the campus community when appropriate. Proactive methods employed by campus security against personal property theft include parking lot and building patrols, campus escorts (as requested), routine lighting and emergency equipment checks. Firearms and other weapons are prohibited on Northwood University property.

It is the policy of Northwood University to comply with all applicable features of the Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistics Act, or commonly known as the Clery Act. Timely Notifications/Crime Alerts will be utilized in an effort to notify campus and/or community members of certain crimes in and around the University community. Specific protocols and campus crime reporting are outlined on the University compliance webpage at <http://www.northwood.edu/compliance>.

It is also the policy of Northwood University to comply with all applicable features of the Higher Education Opportunity Act for reported missing students. Northwood University has established a missing student protocol for the notification procedures for students who live in on-campus housing and who have been reported missing for more than 24 hours. Specific protocols are outlined on the University compliance webpage at <http://www.northwood.edu/compliance>.

Strosacker Library

The NU Strosacker Library's mission is to enhance the learning environment by supporting instructional services, promoting information literacy, and developing leaders who are independent, life-long learners. By creating an environment conducive to learning, exploration, and group interaction, the library staff strives to foster intellectual curiosity and academic excellence. We aim to be responsive to changes in information delivery and encourage continuous development.

Online library services provide access to thousands of full-text magazines, newspapers, journals, DVDs, and specialized business information. Also available to students are several comprehensive subjects and/or class-specific library resources called LibGuides. With a book collection of approximately 17,000 volumes and 55 periodical titles, the library acquires materials for a well-rounded education emphasizing business management, economics, and leadership.

Students can access resources 24 hours a day, seven days a week, through the library web page via Blackboard, whether on or off campus. Assistance is readily available in the Strosacker building at library reference desks and online through the “Ask a Librarian” form. The Strosacker Library is centrally located on the upper level of the Strosacker building.

Student Medical Services

The Health Center, staffed by a registered nurse and a physician in the office on a limited basis, is open at designated times for advice concerning illnesses and injuries, with limited first aid treatment and physician referral available. Midland has three walk-in Urgent Care facilities and MyMichigan Medical Center is nearby and available 24 hours/day for emergencies.

Northwood requires that all students have healthcare insurance. The university makes available two policies, one that provides students with comprehensive healthcare coverage and a second that provides accidental injury only coverage.

Students who have their own comprehensive health insurance coverage will be allowed to opt out of the NU comprehensive healthcare insurance plan if their coverage meets criteria as a qualifying plan. Every student will have accidental injury only coverage as part of their student package to supplement their own/family health insurance coverage or NU healthcare insurance plan. For more information, please visit <https://wellfleetstudent.com/>

International Students and Insurance Requirement

All international students are required to purchase the Northwood University Comprehensive Insurance Plan. Information regarding the policy may be found at <https://wellfleetstudent.com/>. Once on the website, please follow prompts provided. A link to the insurance brochure is available on the insurance site. All full-time international students will have coverage through the accidental injury coverage plan as well.

The Northwood University Health Center is compliant with the Health Insurance Portability and Accountability Act (HIPPA) and your personal health information will only be released with your written consent.

Timberwolf Learning Center

The Northwood University Timberwolf Learning Center provides a variety of services to help students succeed and excel academically. All students are encouraged to participate in the TLC programs and services, regardless of current class status or level of achievement. All programs are available to Northwood students free of charge.

Students may choose from three types of tutoring in the Timberwolf Learning Center (TLC). Drop-in tutoring is available without an appointment for numerous courses, such as Accounting Principles I & II, Finite Math and College Algebra. Students may also sign up for a one-on-one tutor for any non-drop-in subject or join a tutor-led study group which meets weekly. Details on all types of tutoring are available in the TLC in the Strosacker building and on my.northwood.edu under the TLC tab.

Student Conduct

A student may be fined, placed on a behavior contract, placed on probation, or dismissed if his or her social conduct does not meet the standards of good conduct set up by the administrative officials and published in the Student Handbook.

Disregard for others and their property, policies, rules, and regulations of the University may lead to sanctions, the extent and seriousness of which will be in relation to the offense. A fine or other penalty may be imposed.

A student may be suspended or dismissed for either academic or social cause. Each student's case will be handled individually. A student may be considered for readmission after dismissal by petitioning the Dean of Student Affairs or the Academic Vice President/Provost. It is the policy of the University to maintain a learning and work environment that is free from harassment because of an individual's race, gender, color, religion, creed, national origin or ancestry, age, marital status, disability, or veteran status. The University prohibits any and all forms of harassment because of race, gender, color, religion, creed, national origin or ancestry, age, marital status, disability, or veteran status.

It shall be a violation of University policy for any student, teacher, administrator, or other school personnel to harass a student through conduct of a sexual nature, or regarding race, gender, color, religion, creed, national origin or ancestry, age, marital status, disability, or veteran status. The policy can be located at <http://www.northwood.edu/compliance> or a paper copy may be obtained from the Human Rights Officer in the Human Resources Department, Northwood University, Midland, Michigan. The telephone number for this office is (989) 837-4345.

Manners and Good Grooming

Good manners are never old fashioned. Pleasantness and consideration have their own reward and cost little. Respect is one of the University's core values. Respect for the rights of others first, and oneself second, is the essence of good manners.

Good grooming is the result of planning and the adherence to basic health rules. Higher education is the place to experience new ideas, changing attitudes, new friends, and to develop a good grooming identity. One's dress expresses one's personality. Attire should be appropriate and tasteful at all times, whether in the workplace, the classroom, the dining area, or the living areas. Northwood is a business university; its faculty and staff members are expected to be well-groomed in accordance with business standards; its students are expected to dress in a manner that does not cause classroom distraction.

Policies

Alcohol/Drugs

The Drug-Free Workplace Act of 1988, Subtitle D, Section 5152, and the Drug Free Schools and Communities Act Amendments of 1989, PL No. 101-226, require that Northwood University maintain an environment free from the unlawful manufacture, distribution, dispensation, possession, or use of controlled substances or alcohol.

The University recognizes its obligation to support the law and is aware of the damaging impact illegal drugs can have on our culture and especially its young people.

The President or the Dean of Student Affairs may elect to dismiss a student for any criminal behavior or convictions that indicate behavior that is threatening to other students.

The unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited while on University property, attending Northwood events, or performing work-related duties.

Pursuant to applicable procedures, policies, or appropriate collective bargaining agreements governing employee or student discipline, involvement in the unauthorized use, sale, manufacturing, dispensing, or possession of controlled substances or alcohol on Northwood University premises or during Northwood University activities, or working under the influence of such substances, will be subject to disciplinary action up to and including dismissal or expulsion.

Any employee or student who is convicted of violating any criminal drug/alcohol statute when such violation occurs at Northwood or as a part of any school activities must notify the University no later than five (5) days after such conviction. Failure to provide such notice may subject the employee or student to dismissal or expulsion. The employee shall notify his or her immediate supervisor, who will report the incident to the Human Resources Department. The student will notify the Dean of Students Affairs.

Northwood University supports programs aimed at the prevention of substance abuse by Northwood employees and students. The University provides preventive educational programs for students and refers employees and students experiencing substance-dependency related problems for counseling and assistance.

Drug and Alcohol Prevention Counseling

Northwood encourages faculty, staff, and students with alcohol or other drug-dependency problems to contact community counseling centers for assistance. Students may contact the Counseling Center, Health Center Personnel, or a staff member in the Student Affairs office.

Penalties for Violation

Misuse of alcohol and drugs interferes not only with students' academic performance, but with their emotional, physical, mental, and social development as well. Based on this realization, the federal government has enacted several laws in an effort to address these issues. Northwood University supports these policies. Therefore, the possession, use, or distribution of substances that violate state or federal laws is subject to disciplinary action by Northwood University.

Specific sanctions are outlined in the Student Handbook.

NORTHWOOD ONLINE

Northwood University provides multiple options for adult learners to complete a bachelor's degree through the Northwood Online Program (NU Online). Programs are offered for working adults that are seeking professional growth and opportunities by attaining an associate's or bachelor's degree. Each student works with an Academic Advisor who provides guidance for degree completion.

Contact Information:

NU Online

Northwood University
4000 Whiting Drive
Midland, MI 48640
Toll Free (800) 622-9000 or <https://online.northwood.edu>

Admissions Process

- Request official transcript(s) from previously attended accredited institutions and have them emailed electronically to transcripts@northwood.edu or mailed to the Office of the Registrar at 4000 Whiting Drive, Midland, MI 48640.
- Students who have received an associate's degree from a Institutionally accredited college or university will receive a credit evaluation that identifies equivalencies and electives acceptable for transfer. Credits are transferable; grades are not.
- Courses completed after the associate's degree was awarded may be transferable as long as a grade of "C" (2.0) or better has been earned and if applicable to the curriculum.
- Military credit from a Joint Services Transcript will be evaluated for transfer credit.

Students transferring without an associate's degree will have their transcripts evaluated for equivalent Northwood University credit. Students in this category will be permitted to transfer equivalent courses and electives with grades of "C" (2.0) or better.

Academic and Grade Appeals

Three levels of academic appeals are possible to provide for appropriate processing of academic grievances. The "statute of limitations" for academic appeals is the 30 days following the grievance. Northwood faculty has the authority and obligation to assign appropriate grades and to conduct classes within the context of the Academic Policies section of this catalog. Hence, the first level of academic appeal is to the professor whose decision is questioned.

Students who are not satisfied with the decision of the professor to whom they appealed may appeal to the campus Academic Dean.

Students who are not satisfied with the Dean's decision may submit a last appeal to the Academic Vice President/ Provost, who is the final arbiter of all academic matters. This appeal must be in writing and should explain all particulars, including reference to the previous two levels of appeal. This appeal should be sent by e-mail to the Academic Vice President/Provost at the corporate headquarters of the University in Midland, Michigan. The Academic Vice President/Provost will invite written input from others involved in the previous appeals based on copies of the appeal that will be provided to them. Copies of their responses will be sent to the person appealing, who will then have ten days to respond in writing to their responses. Following this exchange, a written decision will be rendered.

Academic Honors

- For academic honors, a student must complete the minimum of 30 credit hours with Northwood University and meet honors criteria as prescribed below:
 - Cum Laude – 3.50 cumulative GPA to 3.69 cumulative GPA
 - Magna Cum Laude – 3.70 cumulative GPA to 3.89 cumulative GPA
 - Summa Cum Laude – 3.90 cumulative GPA to 4.00 cumulative GPA

Course Delivery Options

- Real-Time Online
- Full-Flex courses
- Online courses
- Hybrid/blended combination
- Limited credit by examination, such as the CLEP general and subject exams

Northwood University is devoted to continuous improvement and reserves the right to revise all curriculum guides or academic programs. These enhancements could cause changes but not additions to the student's program of study. To fulfill graduation requirements, students are to complete the curriculum guide that is in effect at the time they are accepted for admission to Northwood University.

Course Offering Changes

Courses to be offered each semester are indicated in class schedule listings available on the Northwood website. Northwood may drop any course from the schedule of academic offerings if the enrollment is not sufficient to warrant its instruction.

Credit for Prior Learning

NU Online students may earn college credit for their prior learning. To apply for prior learning credit, the student should have significant work experience and a minimum of 3-5 years of related and documented management experience. Of the first 60 semester credits awarded a student in an undergraduate program, no more than 15 semester credits may be awarded for prior learning experience. A maximum of 60 semester hours of total credit may be awarded. Credit for prior learning is evaluated much like that of coursework. The evaluator awards credit where appropriate. To be eligible for portfolio submission, students must pass the PL 3010 – Prior Learning Assessment course.

Degree Offerings

Northwood University's Online Program offers Bachelor of Business Administration (BBA) degrees in the following areas: Accounting, Automotive Aftermarket Management, Automotive Marketing & Management, Cybersecurity Management, Entrepreneurship, Finance, Health Care Management, Hospitality, Tourism & Event Management, International Business, Management, Marketing, Marketing Communications, and Sport Management. For degree requirements and courses, please see section beginning on page 21.

NU Online also offers Bachelor of Science (BS) degrees in Applied Management (degree requirements are listed on page 139), Computer Science, Data Analytics, General Business, Information Systems, Leadership, Leadership and Service, Operations and Supply Chain, Professional and Technical Communications, Sales Management and Professional Selling, and Sport Management. To be awarded the bachelor's degree, an individual must complete a minimum of 30 semester hours with Northwood University and have a cumulative GPA of 2.0 or above. Please visit <https://online.northwood.edu/program-finder/> for a list of programs. Associate of Arts degrees are also offered. To be awarded the associate's degree, an individual must complete the required courses with a minimum of 15 semester hours at Northwood University and have a cumulative GPA of 2.0 or above.

Bachelor of Science (BS) in Applied Management (Transfer program only)

The Bachelor of Science degree in Applied Management is designed for transfer students who have earned an A.A.S. degree in a specialized area or a minimum of 30 transferable credits in a single specialized or technical area and seek broad knowledge of how to manage in the field/specialization.

The following guide outlines the required coursework (120 credits) including general education, common professional core, electives and major requirements. Students who want to pursue an additional major or minor should consult with an academic advisor to determine the best education plan.

FOUNDATION COURSES (2 semester hours)		NORTHWOOD IDEA CORE (6 semester hours)	
FDN 2500 Strategies for Success*	1	ECN 4010 Economics of Public Policies	3
FDN 3200 Career Advancement	1	PHL 4100 Philosophy of American Enterprise*	3
GENERAL EDUCATION (21 semester hours)		MAJOR CORE (15 semester hours)	
ENG 1150 Composition I	3	MGT 2500 Human Resource Management	3
ENG 1200 Composition II	3	MGT 3500 Operations Management	3
HIS 2100 Foundations of Modern World	3	Choose three courses from:	
MTH 1150 College Algebra <i>or</i>		ETR 3100 or MGT 3700; MGT 4030;	
MTH 1100 Finite Math	3	MGT 4300; MGT 4360; IMM 3020; MIS 3300;	
MTH 2310 Statistics I	3	AMM 3500 or MKT 3350 or MKT 3450	9
SPC 2050 Speech	3		
NSC 2100 Environmental Science	3		
COMMON PROFESSIONAL CORE (36 semester hours)		TECHNICAL /SPECIALIZED ELECTIVES	
ACC 2410 Fundamentals of Financial Accounting	3	(40 semester hours)	
ACC 2450 Fundamentals of Managerial Accounting	3	Up to 40 technical/specialized credits	40
ECN 2210 Principles of Microeconomics	3	PSC 2010 Intro to American Government (recommended)	
ECN 2220 Principles of Macroeconomics	3		
FIN 3010 Financial Management	3		
LAW 3000 Business Law	3		
MGT 2300 Principles of Management	3		
MGT 4250 Organizational Behavior	3		
MGT 4800 Strategic Planning	3		
MIS 1500 Business Productivity Software	3		
MKT 2080 Principles of Marketing	3		
PHL 3100 Ethics	3		

*Course that must be taken at NU.

Note: The Northwood University residency requirement requires a minimum of 30 earned credits at Northwood University; nine (9) of the 30 semester hours taken at Northwood University for residency and must be in the student's major discipline.

Bachelor of Science (BS) in General Business (Transfer program only)

The Bachelor of Science in General Business Studies is a transfer program that focuses on producing well-rounded graduates who possess knowledge from a variety of business disciplines.

The following guide outlines the required coursework (120 credits) including general education, common professional core, electives and major requirements. Students who want to pursue an additional major or minor should consult with an academic advisor to determine the best education plan.

NORTHWOOD IDEA CORE (3 semester hours)

PHL 4100 Philosophy of American Enterprise*	3
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GENERAL EDUCATION (15 semester hours)

ENG 1150 Composition I	3
ENG 1200 Composition II	3
MTH 1150 College Algebra <i>or</i>	
MTH 1100 Finite Math	3
MTH 2310 Statistics I	3
SPC 2050 Speech	3

COMMON PROFESSIONAL CORE (15 semester hours)

ACC 2410 Fundamentals of Financial Accounting	3
ACC 2415 Fundamentals of Managerial Accounting	3
ECN 2210 Principles of Microeconomics	3
ECN 2220 Principles of Macroeconomics	3
MIS 1500 Business Productivity Software	3

GENERAL BUSINESS CORE (27 semester hours)

FIN 3010 Financial Management	3
LAW 3000 Business Law I	3
MGT 2300 Principles of Management	3
MGT 3600 Ethical Leadership & Moral Development	3
MGT 4800 Strategic Planning	3
MKT 2080 Principles of Marketing	3
3000/4000 Business Elective	3
3000/4000 Business Elective	3
3000/4000 Business Elective	3

ELECTIVES (60 semester credits) 3

Open Electives (6 at the 3000/4000 Level)	60
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*Course that must be taken at NU.

Note: The Northwood University residency requirement requires a minimum of 30 earned credits at Northwood University; nine (9) of the 30 semester hours taken at Northwood University for residency and must be in the student's major discipline.

Bachelor of Science (BS) in Leadership and Service (Transfer program, by petition only)

The Bachelor of Science in Leadership and Service is a specialized, business and leadership transfer program that acknowledges the unique professional training and work dynamics of military personnel and members of the public safety community (i.e. law enforcement, fire professionals, and emergency service professionals). Students will study leadership principles, organizational management, advanced communication strategies and project management.

The following guide outlines the required coursework (120 credits) including general education, general business, electives and major requirements. Students who want to pursue an additional major or minor should consult with an academic advisor to determine the best education plan.

GENERAL EDUCATION (15 semester hours)

ENG 1150 Composition I	3
ENG 1200 Composition II	3
MTH 1150 College Algebra <i>or</i> MTH 1100 Finite Math	3
MTH 2310 Statistics I	3
SPC 2050 Speech	3

GENERAL BUSINESS (6 semester hours)

MGT 2300 Principles of Management	3
MIS 1500 Business Productivity Software	3

MAJOR CORE (30 semester hours)

PL 3010 Prior Learning Assessment <i>or</i> CYB 3800 Information Security	3
PHL 4100 Philosophy of American Enterprise*	3
MGT 3200 Management Communications	3
MGT 3300 Project & Information Management	3
MGT3600 Ethical Leadership & Moral Development	3
MGT 3700 Practice of Management & Leadership	3
MGT 4200 Applied Professional Communication	3
MGT 4250 Organizational Behavior	3
LAW 3000 Business Law I	3
MGT 3850 Current Issues in Public Safety Leadership and Service	3

ELECTIVES (69 semester credits)

Open Electives	69
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*Course that must be taken at NU.

Note: The Northwood University residency requirement requires a minimum of 30 earned credits at Northwood University; nine (9) of the 30 semester hours taken at Northwood University for residency and must be in the student's major discipline.

Bachelor of Science (BS) in Leadership (Transfer program only)

The Bachelor of Science degree in Leadership is a specialized, business leadership education that acknowledges the expansive professional training and work dynamics of aspiring managers and leaders across a multitude of industries. Students will study leadership principles, organizational management, advanced communication and project management.

The following guide outlines the required coursework (120 credits) including general education, common professional core, electives and major requirements. Students who want to pursue an additional major or minor should consult with an academic advisor to determine the best education plan.

NORTHWOOD IDEA CORE (3 semester hours)

PHL 1100 Philosophy of American Life & Business*	3
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GENERAL EDUCATION (15 semester hours)

ENG 1150 Composition I	3
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ENG 1200 Composition II	3
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MTH 1150 College Algebra <i>or</i> MTH 1100 Finite Math	3
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MTH 2310 Statistics I	3
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SPC 2050 Speech	3
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GENERAL BUSINESS CORE (12 semester hours)

LAW 3000 Business Law	3
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MGT 2300 Principles of Management	3
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MGT 4250 Organizational Behavior	3
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MIS 1500 Business Productivity Software	3
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MAJOR CORE (30 semester hours)

PL 3010 Prior Learning Assessment	3
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LDR 3200 Leadership Essentials	3
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LDR Conflict Resolution and Problem Solving	3
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LDR 4100 Motivating Teams and Individuals	3
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LDR 4200 Innovation and Change Leadership	3
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LDR 4800 Applied Leadership Capstone	3
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MGT 2500 Human Resource Management	3
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MGT 3600 Ethical Leadership & Moral Development	3
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MGT 4200 Applied Professional Communications	3
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SOC 3450 Culture of Leadership	3
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ELECTIVES (60 semester credits)

Open Electives	60
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*Course that must be taken at NU.

Note: The Northwood University residency requirement requires a minimum of 30 earned credits at Northwood University; nine (9) of the 30 semester hours taken at Northwood University for residency and must be in the student's major discipline.

Bachelor of Science (BS) in Lean Operations and Supply Chain Management (Transfer program only)

The Bachelor of Science degree in Lean Operations and Supply Chain Management is designed for transfer students who have earned an A.A.S. degree in a specialized area or a minimum of 30 transferable credits in a single specialized or technical area and seek broad knowledge of how to manage in the field of lean operations and supply chain. This program applies to students who began their studies before the 2026-2027 academic year.

The following guide outlines the required coursework (120 credits) including general education, common professional core, electives and major requirements. Students who want to pursue an additional major or minor should consult with an academic advisor to determine the best education plan.

FOUNDATION COURSES (2 semester hours)

FDN 2500 Strategies for Success*	1
FDN 3200 Career Advancement	1

GENERAL EDUCATION (21 semester hours)

ENG 1150 Composition I	3
ENG 1200 Composition II	3
HIS 2100 Foundations of Modern World	3
MTH 1150 College Algebra <i>or</i>	
MTH 1100 Finite Math	3
MTH 2310 Statistics I	3
SPC 2050 Speech	3
NSC 2100 Environmental Science	3

COMMON PROFESSIONAL CORE (36 semester hours)

ACC 2410 Fundamentals of Financial Accounting	3
ACC 2450 Fundamentals of Managerial Accounting	3
ECN 2210 Principles of Microeconomics	3
ECN 2220 Principles of Macroeconomics	3
FIN 3010 Financial Management	3
LAW 3000 Business Law	3
MGT 2300 Principles of Management	3
MGT 4250 Organizational Behavior	3
MGT 4800 Strategic Planning	3
MIS 1500 Business Productivity Software	3
MKT 2080 Principles of Marketing	3
PHL 3100 Ethics	3

NORTHWOOD IDEA CORE (6 semester hours)

ECN 4010 Economics of Public Policies	3
PHL 4100 Philosophy of American Enterprise*	3

MAJOR CORE (18 semester hours)

OPS 1100 Introductions to Operations Management	3
OPS 1200 Business Process Management	3
OPS 3500 Purchasing	3
OPS 3600 Supply Chain Management	3
MIS 3300 Project Management	3
LEN 4500 Lean Ops & Supply Chain Mgt Capstone	3

TECHNICAL/SPECIALIZED ELECTIVES

(37 semester hours)	
Up to 37 technical/specialized credits	37
PSC 2010 Intro to American Government (recommended)	

*Course that must be taken at NU.

Note: The Northwood University residency requirement requires a minimum of 30 earned credits at Northwood University; nine (9) of the 30 semester hours taken at Northwood University for residency and must be in the student's major discipline.

Readmission of Service Members

Northwood University will promptly readmit a service member with the same academic status when they had last attended the school or were accepted for admission to the school. This applies to any student who cannot attend school due to military service.

Semester Hour Requirements

- A minimum of 120 semester credit hours are needed to obtain a bachelor's degree from Northwood University.
- A minimum of 30 credits must be completed with Northwood University to be eligible for residency and academic honors.
- Students may incorporate additional minors or majors, which will require additional coursework.

Transfer Coursework

- All transfer coursework (if applicable) must be college level; remedial or developmental coursework is not considered college level.
- All transfer coursework (if applicable) must meet GPA requirements set by Northwood University.
- Grade Point Averages (GPA) from other institutions do not transfer.

Tuition - NU Online 2026-2027

	Per Credit Hour	3-Credit Course
Online Courses	\$525.00	\$1,575.00

NU Online Program Fees

Graduation	\$80.00
Transcript.....	\$5 (special delivery charges may apply)
Administrative Fee for No Show	\$50 (each 8 week module)
Credit for Prior Learning Class.....	\$1,575.00
Inclusive Book Access (per credit hour).....	\$30.00

Monthly Payments

Students who desire to divide the year's balance into monthly payments can make arrangements through the Tuition Payment Plan. There is a \$30 non-refundable application fee per semester and payments can be made using an electronic check, American Express, Discover Card, MasterCard, or VISA (credit card payments will be assessed a 2.5% service fee).

Refund Policy

Students must notify their Academic Advisor of any changes to their enrollment. The date of notification will be the withdrawal date used in processing any refunds.

All courses dropped prior to the start of the course will be refunded in full. Definition of a week: 7 days starting on the first scheduled meeting of a class.

8-Week Course

(based on the actual start date of the course)

- 90% if withdrawal is during the first week of class
- 75% if withdrawal is during the second week of class
- 50% if withdrawal is during the third week of class

16-Week Course

(based on the actual start date of the course)

- 90% if withdrawal is during the first or second week of class
- 75% if withdrawal is during the third or fourth week of class
- 50% if withdrawal is during the fifth or sixth week of class

Compressed Course

(based on the actual start date of the course)

- 75% if withdrawal is prior to second class meeting
- 0% if after second class meeting

Refunds for Recipients of Federal Financial Aid

Return of Title IV Aid Policy for Federal Financial Aid Recipients

As prescribed by law and regulation, Federal Title IV funds will be returned to the applicable sources in the following order: Federal Direct Unsubsidized Loan, Federal Direct Subsidized Loan, Federal Direct PLUS Loans, Federal Pell Grant, Academic Competitiveness Grant, National SMART Grant, Federal Supplemental Educational Opportunity Grant (SEOG), and then other Title IV Aid Programs. Examples of this refund policy are available at the Financial Aid Office.

Tuition and Fee Charges – NU Online 2026-2027

The total estimated tuition charges for a period of attendance varies based on how many credits a student completes. In addition to the tuition rate of \$525/credit hour, there is a graduation fee of \$80. There are additional inclusive book access charges.

- For 30 credits the tuition charges would be \$15,750
- For 60 credits the tuition charges would be \$31,500
- For 90 credits the tuition charges would be \$47,250

The total estimated tuition charges for an entire educational program is \$63,000.

EXECUTIVE AND CONTINUING EDUCATION

The Executive and Continuing Education division of Northwood University delivers a wide variety of training and seminar programs to all levels in the world of business. Constituents and clients across the country can avail themselves of the service offered through this department of Northwood University.

Included in the offerings are both stand-alone seminars and packaged programs that lead to certificates in a wide variety of business disciplines.

Each area offers a number of current management training seminars to participants either on the residential campus, or custom-designed at any site. Short courses and online training are available as well.

For information concerning Executive and Continuing Education, contact:

Executive and Continuing Education Department
Northwood University
4000 Whiting Drive
Midland, MI 48640

Northwood University's University of the Aftermarket

The University of the Aftermarket is an educational alliance of the Auto Care Association, Automotive Warehouse Distributors Association (AWDA), and the Motor Equipment Manufacturers Association (MEMA). Its mission is further strengthened by its affiliation with Northwood University, a private, accredited university that grants undergraduate and graduate degrees in a variety of specialized managerial and entrepreneurial business disciplines.

The University of the Aftermarket's mission is to meet the continuing management, business, and leadership education and development needs of professionals working within the motor vehicle aftermarket. The University achieves this mission through the creation, promotion, and management of industry-wide and custom professional development and educational programs in a variety of online, collaborative, and custom conference formats. Successful completion of these programs culminates in earning the widely recognized and respected Aftermarket Content Professional (ACP), Automotive Aftermarket Professional (AAP), Master Automotive Aftermarket Professional (MAAP) or Global Automotive Aftermarket Executive (GAAE) credential. For more information and to view the course calendar, please visit <https://www.northwood.edu/academics/uofa/>.

For more information, contact: Executive Director, University of the Aftermarket, (800) 551-2882, uofa@northwood.edu.

THE DEVOS GRADUATE SCHOOL

A Message from the Dean

Welcome to the DeVos Graduate School of Management at Northwood University.

At DeVos, we believe leadership is measured not by titles, but by the ability to create value, solve meaningful problems, and positively influence organizations and communities. Our programs are designed for professionals who seek more than knowledge alone—they seek the skills, perspective, and confidence to lead in a rapidly changing world.

Grounded in the principles of free enterprise and The Northwood Idea, the DeVos experience combines rigorous business education with applied learning, real-world problem solving, and opportunities for personal and professional growth. Through an integrative curriculum, industry-relevant experiences, and close engagement with faculty and peers, students develop the strategic thinking, leadership capabilities, and practical expertise needed to drive results.

Our mission is to develop principled leaders who create economic and social value through innovation, entrepreneurship, and effective management. Whether your goal is career advancement, organizational leadership, or entrepreneurial success, we invite you to explore how DeVos can help you achieve your aspirations and expand your impact.

We look forward to being part of your journey.

Lisa Fairbairn, Ph.D.

Assistant Vice President and Dean

DeVos Method

The DeVos Method is the distinctive educational approach that defines the graduate experience at the DeVos Graduate School. Grounded in The Northwood Idea and its principles of individual freedom and responsibility, earned success, moral law, and limited government, the DeVos Method prepares leaders to create value, solve meaningful problems, and contribute to a free and prosperous society.

Built on principles of adult learning, leadership development, and applied problem solving, the DeVos Method challenges students to move beyond passive learning and engage actively with complex organizational challenges. Through the analysis of evidence, interdisciplinary thinking, and practical application, students develop the judgment, leadership capabilities, and strategic perspective necessary to lead organizations and drive positive change.

The DeVos Method is grounded in four core principles: Data-Informed Decision Making, Integrated Learning, Student-Centered Development, and Application-Oriented Learning.

Data Informed Decision-Making

Effective leaders move beyond assumptions, intuition, and conventional wisdom. They evaluate evidence, analyze data, and make decisions based on facts rather than opinion. Throughout the curriculum, students develop the analytical tools necessary to identify root causes, evaluate alternatives, and implement solutions supported by evidence. This disciplined approach strengthens decision quality, enhances credibility, and improves the ability to influence others.

Integrated Curriculum

Complex business problems often cover multiple areas of the organization and require a wide set of skills and knowledge to effectively address. The courses in our programs integrate with each other so that you will graduate with both depth and breadth. While some degrees will specialize more than others, all of our offerings are based in the real world where topics are often not so clearly delineated.

Organizations do not experience challenges in isolated functional areas, and neither should business education. The DeVos curriculum is intentionally designed to connect concepts across disciplines, helping students understand the relationships among strategy, leadership, finance, operations, analytics, and organizational performance. This integrated perspective develops leaders who can think systemically and address complex challenges with both depth and breadth.

Student-Centered

Leadership is developed through engagement, reflection, and practice. Faculty members serve not only as subject-matter experts but also as mentors and facilitators who challenge students to refine their thinking, strengthen their leadership capabilities, and expand their perspectives. The educational experience is designed to encourage meaningful dialogue, collaborative learning, and personal growth.

Application-Oriented

Learning has the greatest impact when it can be applied immediately. The DeVos Method emphasizes discussion, problem solving, case analysis, projects, and experiential learning that connect classroom concepts to professional practice. Students are expected to actively engage in the learning process, applying new knowledge to organizational challenges and developing solutions that create measurable value.

History of the DeVos Graduate School

By 1989, Northwood Institute had served the academic community for 30 years with flexible and innovative programs matched to the marketplace. During much of our institution's third decade, our undergraduate faculty and other academic committees explored the idea that, despite an obvious proliferation of MBA programs worldwide, we were uniquely qualified to serve real marketplace needs for MBA programs designed to make a difference. In 1990 an effort was launched by a three-person task force, chaired by a newly appointed Dean of Graduate Studies, to set about designing an Executive MBA program to serve identified needs within the state of Michigan. From the outset, it was assumed that the design would mirror Northwood's very successful undergraduate programs by innovatively meeting real marketplace needs—a design that would lend itself to continual adaptation.

The task force sought the advice of a team of its own graduates who had earned MBA degrees from many distinguished American universities, and by two consultants, Dr. Joseph H. Rogatnick (Ph.D., Wharton School), whose career included a professorship at Boston College, diplomatic and business service, and the CEO position of Boston College's graduate school in Brussels; and Dr. William D. Guth (D.B.A., Harvard, M.A.), who chaired the Management/Organizational Behavior Department at NYU, and subsequently served as NYU's Director of the Center for Entrepreneurial Studies.

In the spring of 1992, Northwood submitted its plan for the Executive MBA program to its regional accreditors who sent a team of individuals to visit campus that summer leading to full program approval by November of the same year. Immediately thereafter, the Graduate School of Business was established as a new entity of the institution, and the first, three full-time faculty members were in place by December 1. Northwood's President and CEO, Dr. David E. Fry, announced that the first MBA classes would be held without delay in January 1993, and that the institution would simultaneously change its name to Northwood University. Initial classes were held in Detroit, Flint, Lansing, and Midland for about 75 students. Five years after its inception, the innovation and intensity of the DeVos Graduate School's executive program earned recognition by *Business Week* magazine with its listing among top Executive Programs (Business Week On-Line, October 20, 1997).

In 1994, "*to perpetuate the education of business leaders with an understanding of democratic and compassionate capitalism,*" a substantial gift from the Richard and Helen DeVos Foundation helped establish and transform the former Automotive Hall of Fame building into The Richard DeVos of Graduate School Management from 1997 until 2015. Again in 2008, another substantial gift was received from the Richard and Helen DeVos Foundation which allowed the graduate school to expand into a beautiful, new and state of the art educational facility on the Michigan campus where it resides today.

From the initial program launch in 1993 through current graduate programming, The Richard DeVos Graduate School of Management has expanded its educational offerings in many impactful ways.

In spring 2000, it added the Managerial MBA program, offering a range of management education designed to fit the unique needs of today's new middle and executive level managers.

The fall of 2001 marked the beginning of our corporate and industry MBA programs with the development of an in-house Executive MBA program with the Hantz Group. This program was designed to meet the needs of the dynamic managerial and leadership roles of individuals in the financial services sector. In 2004, The Dow Chemical Company and the graduate school partnered to launch a Global Executive MBA program. Custom designed for Dow, the program was only available to those employees identified as future leaders of the company.

In 2005, the full-time MBA program went across the Atlantic to beautiful Montreux, Switzerland offering a 15-month program to students at the Hotel Institute Montreux.

In 2007, the DeVos Graduate School introduced the innovative Evening 24-month MBA program. This program delivered a dynamic, integrated management curriculum to enhance the leadership and management skill sets of today's globally minded business professionals.

Building on Northwood University's long legacy in the automotive industry, the Dealership Executive MBA Program was launched in 2008 and the Aftermarket Executive MBA Program in 2009. These industry programs provided customized curricula that afforded professionals aligned with the retail automotive and aftermarket industries the opportunity to further develop the skills needed to compete in the ever-changing automotive marketplace.

The DeVos Graduate School expanded its Evening MBA program to Cedar Hill, Texas in 2009, West Palm Beach, Florida in 2010 and Grand Rapids, Michigan in 2011. The DeVos Graduate School broadened their offering by launching a Weekend MBA program in 2013 at all approved locations. Additionally in 2013, the DeVos Graduate School launched the online Master of Science in Organizational Leadership (MSOL). This was a milestone for the DeVos Graduate School, as this broadened the graduate program beyond the MBA. The program was offered using the online/virtual classroom incorporating asynchronous and synchronous learning technology to create a robust learning environment.

The DeVos Graduate School launched the first General Motors Executive MBA program in 2014. This program offered a hybrid model of learning, including online and classroom participation. The GM Executive MBA Program was designed for dealership and corporate employees looking to enhance their education and careers with industry- and company-specific course learnings and connections. As interest grew in more online programming, the GM EMBA program was expanded to offer a fully online customized curriculum in its current delivery format.

The DeVos Online MBA program was introduced in 2015 to meet the demands of working professionals and to expand the graduate school to offer educational programming around the globe.

To further meet the needs of finance professionals or professionals looking to enter a finance career, the DeVos Graduate School launched a Master of Science in Finance (MSF) program in Troy, Michigan in 2017. In 2018, this program was re-launched as an online program to better meet the industry demands.

In Fall of 2020, the DeVos Graduate School launched Northwood University's first doctoral-level program. The Doctor of Business Administration (DBA) is a unique program combining business analytics and leadership. In addition, the Master of Science in Business Analytics (MSBA) was also launched for the Fall 2020 semester, and the Master of Science in Human Resources (MSHR) started in Spring 2023. Later that year, an on-ground Global MSBA program started in Midland, Michigan, in partnership with Northwest Executive Education. In 2025, the Automotive and Mobility Executive MBA was launched, followed by the MBA in Health Leadership and Innovation in 2026, further expanding the DeVos Graduate School's portfolio of industry-focused, market-responsive graduate programs.

The DeVos Difference

The DeVos Graduate School is dedicated to developing principled leaders for a global free-enterprise society. Through rigorous, industry-relevant graduate programs, our educational model cultivates the strategic thinking, leadership capabilities, and analytical expertise required to lead organizations, drive innovation, and create meaningful economic and social value.

Grounded in the principles of free enterprise and designed for the realities of a rapidly evolving marketplace, our programs challenge students to think critically, solve complex problems, and lead with purpose. Graduates emerge prepared to advance their careers, pursue entrepreneurial opportunities, and make a lasting impact within their organizations, industries, and communities.

GRADUATE PROGRAMS OF STUDY

The Master of Business Administration (MBA) Program

Each DeVos MBA program allows students to continually practice, assess, and refine their management skills. Students learn to analyze issues from a cross-functional perspective. Rather than concentrations, each program focuses on increasing analytical and critical thinking skills. These skills are developed through a combination of case analysis, business and management simulations, workshops, as well as interaction with executive students and alumni.

The DeVos curriculum is designed to provide students with global management skills throughout each course and activity. Because knowledge of global issues is fundamental to success in today's business community, there is little distinction between international and domestic business in the DeVos MBA, management issues transcend the organization itself, reaching beyond the front door to encompass the global marketplace.

Required Courses:

ECN 644 BUSINESS & ECONOMIC POLICY (3 credits)

This course explores economic theory and practice at the level of individuals and businesses. It explores various economic theories and compares them against empirical evidence. Finally, the course focuses on how the insights gathered can be applied to inform successful business practice in the real world.

FIN 632 FINANCIAL REPORTING (3 credits)

This course introduces students to the essential elements of accounting principles and their usage in financial reporting. Students will learn how to read, assess and interpret financial statements. They will also learn where and how to access publicly available financial information. The course will also demonstrate how to use core accounting information for various financial benchmarking and modeling outcomes.

FIN 634 CORPORATE FINANCIAL DECISION MAKING (3 credits)

This course introduces students to the foundational knowledge that is essential for any person who is involved in the field of corporate finance. Core concepts that are explored include, but are not limited to, understanding time value of money principles, designing cash flow projections, calculating and applying weighted average cost of capital, assessing capital investment expenditures, and balance sheet management.

Prerequisite: FIN 632

MGT 614 MANAGING & LEADING PEOPLE (3 credits)

The focus of this course is on the behaviors of effective leaders. Specifically, the course will address the ideas of leadership versus management, transitions into leadership roles, power and influence, and contemporary practices in management and leadership that affect individual behavior in order to improve organizational performance. Additionally, several challenges of managing the corporation are also addressed, including change management, ethical decision making, and managing conflict in the workplace.

MGT 622 FUNDAMENTAL CONCEPTS & APPROACHES TO DECISION MAKING (3 credits)

This course is designed to raise the critical thinking skills of the student. Emphasis is placed on developing the skills to identify problems, evaluate alternative actions, and to justify and defend decisions. The goal is for each student to develop the ability to apply thinking and reasoning skills to business decisions and to develop the skills to influence others.

MGT 624 PROCESS IMPROVEMENT FOR MANAGERS (3 credits)

This course exposes the student to problem-solving philosophies including Lean Thinking, Six Sigma, and Theory of Constraints. The module includes several team-based, business simulations and exercises where students are given the opportunity to implement their problem-solving and critical thinking learnings in a dynamic and complex business environment.

MGT 664 STRATEGIC MANAGEMENT (3 credits)

This course develops the student's ability to anticipate, evaluate, and respond to shareholder expectations using strategy and measurement concepts. This requires the student to develop the ability to simultaneously evaluate and manage the organization's internal and external environment. Skills to satisfy shareholders include: articulating vision, choosing boundaries and lines-of-business, and identifying and managing capabilities/resources across multiple lines-of-business. The integration of the concepts of free cash flow projection and company valuation explores how strategy drives these measures, which in turn drive value back to the shareholder.

MGT 676 INTEGRATION & IMPLEMENTATION (3 credits)

This course focuses on the development of the student's ability to synthesize, integrate, and implement concepts and skills across the spectrum of managerial and leadership roles and responsibilities, incorporating learning from all prior MBA courses. The course content is centered upon the in-depth preparation of cases for cohort-based discussion and written submission, with emphasis on developing plans for the implementation and control of decisions in an ambiguous context. Ultimately, the course engages the student to reflect on their DeVos experience, learnings, and personal transformation and envision how this integration results in the wisdom to acknowledge and change the way he or she sees and deals with the complex business world and opportunities presented by it.

MGT 679 MANAGEMENT & LEADERSHIP CAPSTONE (3 credits)

This Capstone course provides the opportunity for students to integrate and apply the knowledge and skills acquired throughout their MBA program. Students will be able to put their learning to use in a fast-paced, quick-changing business environment where they make true-to-life business decisions and quickly see the results. A comprehensive balanced-scorecard measurement system is used to allow students to see and understand the strong intended and unintended interplay of their decisions among the various functional areas of their businesses. Students are assigned to business teams from multiple DeVos MBA cohorts for an opportunity to work and learn from one another in this complex and dynamic business simulation.

Prerequisites: FIN 632, FIN 634, MGT 614, MGT 622, MGT 624 or MGT 618 or MGT 629, MGT 664 or MGT 668 or MGT 669, MKT 652, MKT 654 or AM 699, ORG 612

MKT 652 COMPETITIVE STRATEGY & MARKETING (3 credits)

The first part of this course focuses on achieving sustainable differentiation at the line-of-business level. This requires the simultaneous evaluation and management of the organization's internal (processes, structures, resources) and external (competitors, suppliers, other stakeholders) environment to satisfy the selected primary customer needs that guide the business strategy. A methodology that systematically aligns the customer needs, internal measurable outcomes, and operational activities is employed. The second part of the course focuses on achieving sustainable marketing differentiation by managing the marketing function within the organization. Areas to be investigated include: internal/external assessment (customers, competitors, collaborators, company, context), creating value (market segmentation, target market, positioning), and managing the marketing mix (product, place, and price, promotion) to capture and sustain value for the firm.

MKT 654 COMPETITIVE STRATEGY & MARKETING PRACTICUM (3 credits)

Building on Competitive Strategy and Marketing, this semester-long practicum focuses on applying line-of-business strategy and marketing knowledge to the real world. This project-based class will include applied readings, discussion boards, and formal meetings with faculty and weekly deliverables that are project specific. This course ends with the submission of a line-of-business strategy and marketing plan for a real-world business.

ORG 612 HUMAN BEHAVIOR IN ORGANIZATIONS (3 credits)

This course is designed to help the student develop the capabilities to observe and affect individual and group behavior within an organizational setting. Specifically, the course will address motivation and commitment, gender and generational differences, interpersonal communication, managing expectations, and emotional intelligence. The student will learn to understand self as well as others toward the goal of effectively managing relationships with a wide range of people in an organizational setting.

Accelerated MBA Program

The DeVos Graduate School's Accelerated MBA Program uses a student-centered, problem-based learning approach that immediately involves students in real-world managerial situations. This program was designed for students with varying degrees of work experience who have the ability to attend courses during the day, over a 12-month period.

Accelerated MBA Program Specifications

Program Start:	Fall (Midland), Spring (Online)
Length of Program:	12 months
Total Credits:	36
Degree:	Master of Business Administration
Class Size:	25-40 students
Curriculum:	Problem-based learning, student-centered discussion
Program Locations:	Midland, MI, Online
Typical Candidate:	Little to no previous work experience
Financial Aid:	Eligible students may qualify for loans
Scholarships:	Merit scholarships available for those who qualify

Contact Information (Admissions):

Email: devos@northwood.edu

Web: www.northwood.edu/graduate

Evening MBA Program

The Evening MBA was developed to meet the needs of individuals with professional work experience. Evening MBA students seek to gain the additional knowledge, understanding, and skills necessary to advance in their respective careers. Each course meets one night per week, Monday-Thursday from 6:00 p.m. to 9:00 p.m. with additional online requirements.

Evening MBA Program Specifications

Program Start:	Fall, Spring
Length of Program:	24 months
Total Credits:	36
Degree:	Master of Business Administration
Class Size:	15-20 students
Curriculum:	Problem-based learning, student-centered discussion
Program Locations:	Midland, MI
Typical Candidate:	Working professionals, managers, entrepreneurs/business owners
Financial Aid:	Eligible students may qualify for loans
Scholarships:	Merit scholarships available for those who qualify

Contact Information (Admissions):

Email: devos@northwood.edu

Web: www.northwood.edu/graduate

Executive MBA Program

The Executive MBA was designed to educate and transform leaders and future leaders from both corporate and industry perspectives. Our problem-based learning methodology results in a transformational learning experience that enables students to immediately apply their learning to their businesses. The Executive MBA program is delivered online.

Executive MBA Program Specifications

Program Start:	Fall, Spring
Length of Program:	24 months
Total Credits:	36
Degree:	Master of Business Administration
Class Size:	15-25 students
Curriculum:	Problem-based learning, student-centered discussion
Program Locations:	Online
Typical Candidate:	Executives, managers and business owners with industry and corporate experience
Financial Aid:	Eligible students may qualify for loans

Contact Information (Admissions):

Email: devos@northwood.edu

Web: www.northwood.edu/graduate

Automotive and Mobility MBA (AM MBA) students take all MBA courses above **EXCEPT** MGT 624, MKT 654, MGT 664, and MGT 676. The four specific courses are as follows:

AM 699 OPPORTUNITIES & ISSUES IN THE GLOBAL AUTOMOTIVE & MOBILITY INDUSTRY (3 credits)

In place of MKT 654

This course is a graduate level examination of current and future issues significantly impacting the global automotive and mobility environment. Topics for this course will be chosen with input from industry experts as well as the research literature available on the topic. There will be four specific themes for each class chosen by the faculty course lead with input from students and industry leaders. Faculty will create materials for each theme for the first four weeks with the primary purpose being the exploration of the theme. Students will select research topics related to these themes and focus on their research deliverables during the final four weeks of class. The course will culminate with the presentation of a final research report, presented in a synchronous online session to the rest of the class.

MGT 629 AUTOMOTIVE & MOBILITY PROCESS IMPROVEMENT FOR MANAGERS (3 credits)

In place of MGT 624

This course exposes the student to problem-solving philosophies including Lean Thinking, Six Sigma, and Theory of Constraints. The module includes several team-based, business simulations and exercises where students are given the opportunity to implement their problem-solving and critical thinking learnings in a dynamic and complex business environment to optimize their organization in the automotive and mobility industry.

MGT 669 AUTOMOTIVE & MOBILITY STRATEGIC MANAGEMENT (3 credits)

In place of MGT 664

This course develops the student's ability to anticipate, evaluate, and respond to shareholder expectations in the automotive and mobility industry. Skills to satisfy shareholders include: articulating vision, choosing boundaries and lines-of-business, and identifying and managing capabilities/resources across multiple lines-of-business. The integration of the concepts of free cash flow projection and company valuation explores how strategy drives these measures, which in turn drive value back to the shareholder.

MGT 689 AUTOMOTIVE & MOBILITY CAPSTONE PROJECT (3 credits)

In place of MGT 676

Working with a faculty sponsor, students will find and fix a critical business problem or opportunity that exists in their current organization within the automotive and mobility industry. The problem or opportunity must be one that is inter-functional in nature, and extend beyond the student's immediate horizontal and vertical responsibility. This course is an individualized tutorial between a student and a designated faculty member. The capstone project must be approved by a supervisor as well as a DeVos Graduate School faculty advisor and demonstrate a significant business impact.

Prerequisites: AM 699, ECN 644, FIN 632, FIN 634, MGT 614, MGT 622, MGT 629, MGT 669, MKT 652, ORG 612, MGT 679

General Motors Executive MBA (GM EMBA) students take all MBA courses above **EXCEPT** MGT 624, MGT 664, and MGT 676. The three GM-specific courses are as follows:

MGT 618 GM PROCESS IMPROVEMENT FOR MANAGERS (3 credits)

In place of MGT 624

This course exposes the student to problem-solving philosophies including Lean Thinking, Six Sigma, and Theory of Constraints. The module includes several team-based, business simulations and exercises where students are given the opportunity to implement their problem-solving and critical thinking learnings in a dynamic and complex business environment.

MGT 668 GM STRATEGIC MANAGEMENT (3 credits)

In place of MGT 664

Using GM strategy as a foundation, this course develops the student's ability to anticipate, evaluate, and respond to shareholder expectations. Skills to satisfy shareholders include: articulating vision, choosing boundaries and lines-of-business, and identifying and managing capabilities/resources across multiple lines-of-business. The integration of the concepts of free cash flow projection and company valuation explores how strategy drives these measures, which in turn drive value back to the shareholder.

MGT 698 GM CAPSTONE PROJECT (3 credits)

In place of MGT 676

Working with a faculty sponsor, students will find and fix a critical business problem or opportunity that exists in their current organization. The problem or opportunity must be one that is inter-functional in nature, and extend beyond the student's immediate horizontal and vertical responsibility. This course is an individualized tutorial between a student and a designated faculty member. The capstone project must be approved by a supervisor two levels above that which the student reports to as well as a DeVos Graduate School faculty advisor. The final project must demonstrate a substantial impact on profitability.

Prerequisites: ECN 644, FIN 632, FIN 634, MGT 614, MGT 622, MGT 618, MGT 668, MKT 652, MKT 654, ORG 612, MGT 679

Online MBA Program

The Online MBA was designed to meet the needs of working professionals balancing the demands of work, home and study. The program is offered entirely online with no required campus visits.

Online MBA Program Specifications

Program Start:	Fall, Spring
Length of Program:	24 months
Total Credits:	36
Degree:	Master of Business Administration
Class Size:	15-26 students
Curriculum:	Problem-based learning, student-centered discussion
Program Location:	Online
Typical Candidate:	Executives, managers, entrepreneurs/business owners.
Financial Aid:	Eligible students may qualify for loans
Scholarships:	Merit scholarships available for those who qualify

Contact Information (Admissions):

Email: devos@northwood.edu

Web: www.northwood.edu/graduate

The university reserves the right to cancel an MBA cohort start, for any reason; an alternative start date, delivery method or program may be offered in its place.

MBA HLI Program

The MBA in Health Leadership and Innovation is a unique, purpose-built, MBA for healthcare professionals who are looking to take their career to the next level.

MBA HLI Program Specifications

Program Start:	Fall, Spring
Length of Program:	24 months
Total Credits:	33
Degree:	Master of Business Administration
Class Size:	15-26 students
Curriculum:	Problem-based learning, student-centered discussion
Program Locations:	Online
Typical Candidate:	Executives, managers
Financial Aid:	Eligible students may qualify for loans
Scholarships:	Merit scholarships available for those who qualify

Contact Information (Admissions):

Email: devos@northwood.edu

Web: www.northwood.edu/graduate

Required Courses:

ECN 647 HEALTHCARE ECONOMICS & FINANCIAL MANAGEMENT (3 credits)

This course explores the unique market dynamics of the healthcare sector, including supply and demand for services, pricing, reimbursement structures, and the roles of public and private payers. Emphasis is placed on integrating economic theory with financial analysis tools to assess organizational performance, manage risk, allocate resources, and make data-informed decisions. Students will develop skills to lead financial strategy in hospitals, provider networks, and emerging healthcare ventures.

Prerequisite(s): HLI 605

HLI 605 FOUNDATIONS OF THE U.S. HEALTHCARE SYSTEM (3 credits)

This course provides an overview of the U.S. healthcare system including care providers, policies and structures, and payment systems. The evolution of the healthcare system, organization of care, financing mechanisms, policy, and reform will be explored. Students will analyze the impact of regulatory issues, policy reforms, and technology on healthcare delivery, access, and quality of care.

HLI 617 COMPARATIVE HEALTH SYSTEMS & GLOBAL MODELS (3 credits)

This course offers a comparative analysis of healthcare systems across select countries worldwide. Topics include how different nations structure their healthcare systems and evaluate their approaches to access, quality, cost, and health outcomes. Students will explore strengths and limitations of the U.S. healthcare system in relation to global models, gaining a global perspective on policy, performance, and innovation in healthcare.

Prerequisite(s): HLI 605

HLI 627 ENTREPRENEURSHIP & INNOVATION IN HEALTH SYSTEMS (3 credits)

This course focuses on cultivating entrepreneurial thinking and innovative leadership within the complex landscape of healthcare systems. Students explore how to identify unmet needs, develop value-driven solutions, eliminate waste, and navigate regulatory, financial, and organizational barriers to innovation. Emphasis is placed on business model development, design thinking, stakeholder alignment, and scaling new ventures or initiatives within both traditional health systems and emerging markets. Through case studies and applied projects, students learn to lead innovation efforts that improve quality, access, and sustainability in healthcare delivery, technology, and services.

Prerequisite(s): HLI 605

HLI 648 STRATEGIC DECISION-MAKING & QUALITY OUTCOMES (3 credits)

This course equips students with advanced frameworks and tools to make data-informed, strategically aligned decisions that drive quality outcomes. Students will explore the intersection of strategy, performance measurement, and continuous improvement, with an emphasis on aligning organizational goals to clinical, operational, and financial performance indicators. Through case studies, simulations, and problem-based projects, learners will apply decision-making models to real-world scenarios, ensuring their strategic choices enhance the quality of care, operational efficiency, and long-term sustainability.

Prerequisite(s): HLI 605

HLI 656 DIGITAL HEALTH TRANSFORMATION & ARTIFICIAL INTELLIGENCE (3 credits)

This course explores the transformative impact of digital technologies and artificial intelligence (AI) on the healthcare industry. Students examine how innovations such as telemedicine, mobile health, electronic health records (EHRs), wearable technology, AI algorithms, and machine learning are reshaping care delivery, patient engagement, and operational efficiency. Emphasis is on the strategic, ethical, and regulatory implications of digital transformation, with a focus on how healthcare leaders can harness technology to improve outcomes, reduce costs, and drive innovation.

Prerequisite(s): HLI 605

HLI 675 PIPELINE FOR PHARMACEUTICAL & MEDICAL DEVICES (3 credits)

This course offers an in-depth exploration of the medical device and biopharmaceutical sectors. Students examine product development lifecycles, regulatory pathways, commercialization strategies, and innovation trends within these industries. Topics include research and development (R&D), clinical trials, FDA approval processes, intellectual property, strategic partnerships, and market access.

Prerequisite(s): HLI 605

HLI 695 HEALTH LEADERSHIP & INNOVATION CAPSTONE (3 credits)

This culminating experience provides students the opportunity to integrate and apply their learning to a substantial, real-world project. Students choose one of two pathways:

1. Practicum Pathway: Engage in an applied project within a healthcare organization, addressing a current challenge or opportunity related to operations, innovation, patient care, policy, or strategy.
2. Research Pathway: Conduct an in-depth study on a healthcare leadership or innovation topic aligned with career goals, such as a feasibility study, policy analysis, or innovation proposal.

Projects are guided by a faculty advisor and require students to synthesize interdisciplinary knowledge, apply evidence-based frameworks, and demonstrate strategic thinking, leadership, and advanced problem-solving skills. Deliverables must demonstrate potential for measurable impact either through implementation in a healthcare setting or contribution to the body of knowledge in healthcare leadership and innovation.

Prerequisite(s): ECN 647, HLI 605, HLI 617, HLI 627, HLI 648, HLI 656, HLI 675, LAW 639, MGT 619, MTH 657

LAW 639 HEALTH POLICY, LAW & REGULATORY SYSTEMS (3 credits)

This course examines the legal, policy and regulatory frameworks that shape the U.S. healthcare environment. Students will explore how healthcare policy is formulated, the role of government and stakeholders in shaping legislation, and the regulatory bodies that govern organizations and professionals. Topics include patient rights, healthcare compliance, risk management, antitrust laws, HIPAA, the Affordable Care Act, and emerging legal challenges tied to innovation and technology. The course emphasizes ethical leadership and strategic thinking in navigating a highly regulated and politically complex landscape.

Prerequisite(s): HLI 605

MGT 619 LEADERSHIP IN HEALTHCARE (3 credits)

This course focuses on developing advanced leadership capabilities required to lead interprofessional teams, inspire innovation, and guide individuals, teams, and organizations through complex and often disruptive changes in healthcare settings. Emphasis is placed on adaptive leadership, organizational culture, stakeholder engagement, and building resilient teams in times of uncertainty. Blending theory and applied learning, the course prepares leaders to inspire commitment, navigate political and cultural complexity, and foster a climate that supports innovation and continuous improvement.

Prerequisite(s): HLI 605

MTH 657 DATA ANALYTICS & POPULATION HEALTH (3 credits)

This course explores the intersection of data analytics and population health management to improve health outcomes, reduce disparities, and enhance strategic decision-making in healthcare. Students will examine key concepts in epidemiology, and social determinants of health, while learning how to leverage data from electronic health records, public health databases, and predictive modeling tools. Emphasis is placed on translating complex data into actionable insights to support community-based interventions, value-based care initiatives, and health system transformation.

Prerequisite(s): HLI 605

MASTER OF SCIENCE PROGRAMS (MS)

Master of Science in Business Analytics (MSBA)

The Master of Science in Business Analytics will provide students with the analytical and leadership skills to use data to improve business decisions. As a practice leadership approach, students will learn data mining, modeling and analytics to solve complex problems and make strong, future-oriented decisions. Students will also learn how to leverage their analysis capabilities to become better leaders, communicators, and team builders.

Required Courses:**MGT 661 ARTIFICIAL INTELLIGENCE & BUSINESS ANALYTICS (3 credits)**

This course acquaints students with the modern, value-driven applications of artificial intelligence in today's business environments. Through business cases, emphasis will be placed on the utilization of basic aspects of artificial intelligence (AI), namely machine learning, speech recognition, deep learning, recommendation engines, and natural language processing as indispensable, contemporary tools for reshaping the contemporary business landscape and forging a competitive edge over competitors in a global, free-enterprise society.

MGT 663 FORECASTING & PREDICTIVE ANALYTICS (3 credits)

Students will learn how to apply the concepts, principles and tools of data mining and machine learning to support the decision-making process, determining future results, identifying trends and patterns, and forecasting the effects of different strategies and decisions. Students will explore business cases that require the planning, implementation and evaluation of solutions to business problems.

MGT 665 SOLVING BUSINESS PROBLEMS WITH MACHINE LEARNING (3 credits)

Students will apply machine learning techniques to search for insight in data. Through learning the origins of machine learning, how computers translate data into actionable knowledge, and how to match machine learning algorithms to data. Students will also learn R, an open-source programming language and environment for computing and graphics. Additional topics covered will be programming fundamentals, data management, probabilistic learning, regression, regularization, classification, clustering, and how to develop scalable distributed machine learning solutions for industry.

MGT 683 MSBA DIRECTED CAPSTONE (3 credits)

The capstone is an independent, supervised body of work covering a topic selected by the individual learner. It provides the opportunity to apply business analytics to a business problem and explore it in detail. The final outcome is a written document of particular value to the learner. The capstone requires effective demonstration of mastery over the competency areas and their relationship to business analytics. As such, the capstone serves as evidence of the value of the learners' experience in the Master of Science in Business Analytics program, and will be a valuable addition to their legacy as leaders.

Prerequisites: MTH 650, MIS 653, MIS 658, MIS 659, MGT 661, MGT 663, MGT 665

MIS 653 PROGRAMMING & COMPUTATION (3 credits)

In this class students will learn how to apply computational problem-solving methods to problems in business. Students will learn how to use computation tools to write simple, yet powerful programs to collect, manage, store, explore and analyze data. Students will also learn Python, and open-source object-oriented programming language, for expressing computations. Additional topics covered will include programming best practices, algorithms, simulation, and descriptive and inferential statistical analysis.

MIS 658 DATA MANAGEMENT, ORGANIZATION & VISUALIZATION (3 credits)

This course will introduce students to the concepts and methods of ingesting, storing, organizing and maintaining the data created and collected by an organization. Data visualization is the graphical representation of information and data. By using visual elements like charts, graphs, and maps, data visualization tools provide an accessible way to see and understand trends, outliers, and patterns in data through producing images that communicate relationships among the represented data.

MIS 659 RELATIONAL DATABASE MANAGEMENT FOR LEADERS (3 credits)

In this course, students are provided with the tools to leverage the information that can be gathered from the vast data groups collected by an organization. Various database models are discussed with emphasis on the relational model and relational database design. Case applications using fourth-generation languages, such as SQL are included. Students gain a general understanding of how relational databases are developed, how to create Entity Relationship Diagrams and data dictionaries, and hands on experience mining data through SQL statements with the purpose of developing business intelligence through the use of database technologies. Lastly students will gain a thorough understanding of how relational databases improve managing and using the enterprise systems.

MTH 650 INTRODUCTION TO DATA ANALYTICS (3 credits)

In this class students will learn the role that data and predictive analytics plays in the modern business organization. Students will begin by learning how to conduct data analysis using the scientific method with a strong emphasis placed on sampling techniques, sampling distributions, and the basics of probability. Additional topics that will be covered include descriptive statistics, graphical analysis, linear regression, prediction for models with binary dependent variables, identification, assessment, and methods for establishing causal inference.

Two elective courses (3 credits ea.) to be chosen from other Master's programming. (6 credits)

MSBA Program Specifications

Program Start:	Fall, Spring, Summer
Length of Program:	24 Months
Total Credits	30
Degree:	Master of Science in Business Analytics
Class Size:	15-26 students
Curriculum:	Analytics
Program Location:	Online
Financial Aid:	Eligible students may qualify for loans
Scholarships:	Merit scholarships available for those who qualify

Contact Information (Admissions):

Email: devos@northwood.edu

Web: www.northwood.edu/graduate

Master of Science in Finance (MSF)

The Master of Science in Finance (MSF) degree blends courses in finance, accounting and economics to offer a graduate education in all aspects of finance. The MSF is designed to introduce students to advanced methods for analyzing financial data and will provide them with the skill set to propose, structure and execute financial and/or operational strategies for their companies. Students will also learn how to benchmark results and modify original plans as appropriate. The program is designed to provide substantive courses to prepare students to succeed in diverse settings that include, but are not limited to, corporate finance, banking, financial services, and healthcare. Students in the program who desire to seek the CFA (Chartered Financial Analyst) designation will be introduced to the concepts tested on that exam.

Required Courses:**ECN 644 BUSINESS & ECONOMIC POLICY (3 credits)**

This course explores economic theory and practice at the level of individuals and businesses. It explores various economic theories and compares them against empirical evidence. Finally, the course focuses on how the insights gathered can be applied to inform successful business practice in the real world.

FIN 632 FINANCIAL REPORTING (3 credits)

This course introduces students to the essential elements of accounting principles and their usage in financial reporting. Students will learn how to read, assess and interpret financial statements. They will also learn where and how to access publicly available financial information. The course will also demonstrate how to use core accounting information for various financial benchmarking and modeling outcomes.

FIN 634 CORPORATE FINANCIAL DECISION MAKING (3 credits)

This course introduces students to the foundational knowledge that is essential for any person who is involved in the field of corporate finance. Core concepts that are explored include, but are not limited to, understanding time value of money principles, designing cash flow projections, calculating and applying weighted average cost of capital, assessing capital investment expenditures, and balance sheet management.

Prerequisite: FIN 632

FIN 637 INVESTMENTS (3 credits)

This course surveys the contemporary field of investing. Students will be introduced to significant theories regarding the operations and behavior of capital markets. The course will also introduce students to the variety of investment vehicles available in the marketplace, including equities, fixed-income securities, derivatives, and non-traditional investments. Finally, the course will cover beginning elements of portfolio construction.

Prerequisites: FIN 632, FIN 634

FIN 642 MERGERS, ACQUISITIONS & VALUATIONS (3 credits)

This course introduces students to the methodologies used to value business enterprises. Students will learn various market-accepted valuation models used to estimate entity market value. The course will also investigate the dynamic nature of the mergers and acquisitions marketplace, with an emphasis on understanding common negotiating points and potential pitfalls that often occur in private sector mergers and acquisitions.

Prerequisites: FIN 632, FIN 634

FIN 643 RISK MANAGEMENT & DERIVATIVES (3 credits)

This course considers the field of risk management. It will review the current state of global and domestic insurance markets. Students will learn techniques, including the use of derivatives, which will enable private sector companies and investors to manage the levels of volatility outcomes in various financial scenarios.

Prerequisites: FIN 632, FIN 634

FIN 646 BUSINESS FINANCIAL STRATEGIC PLANNING (3 credits)

This course is an in-depth look at how finance is an integral element in the strategies of business entities incorporating diverse entity functions such as finance operations and sales. Students will investigate the interrelationships between these functions in creating a well-designed strategic business plan. They will also be introduced to appropriate ways to benchmark and adjust strategies in the face of changing market environments. The course will also address how macro level economic, political and technological variables can impact an entity's performance.

Prerequisites: FIN 632, FIN 634

FIN 655 PORTFOLIO MANAGEMENT (3 credits)

This course teaches students techniques and methodologies that are appropriate in constructing investment portfolios. Students will identify outcome goals in light of risk and reward tolerances and then construct portfolios that align with the initial objectives. They will also learn how to appropriately benchmark and adjust the portfolio composition in light of changing events and trends.

Prerequisites: FIN 632, FIN 634

FIN 690 FINANCE CAPSTONE PROJECT (3 credits)

The finance capstone is an independent, supervised body of work covering a topic selected by the individual learner. It provides the opportunity to identify and research a finance topic or issue that is applicable to the individual candidate and explore it in detail. The final outcome is a professionally written research report that includes some form of financial valuation, model or other finance application as the main supporting component. The capstone requires effective demonstration of mastery of financial modeling/valuation and the application of the methodology into the practical environment. As such, the capstone serves as evidence of the value of the learners' experience in the Master of Science in Finance program and will be a valuable addition to their legacy as leaders.

Prerequisites: ECN 644, FIN 632, FIN 634, FIN 637, FIN 642, FIN 643, FIN 646, FIN 655, MGT 664

MGT 664 STRATEGIC MANAGEMENT (3 credits)

This course develops the student's ability to anticipate, evaluate, and respond to shareholder expectations using strategy and measurement concepts. This requires the student to develop the ability to simultaneously evaluate and manage the organization's internal and external environment. Skills to satisfy shareholders include: articulating vision, choosing boundaries and lines-of-business, and identifying and managing capabilities/resources across multiple lines-of-business. The integration of the concepts of free cash flow projection and company valuation explores how strategy drives these measures, which in turn drive value back to the shareholder.

MSF Program Specifications

Program Start:	Fall, Spring, Summer
Length of Program:	24 Months
Total Credits	30
Degree:	Master of Science in Finance
Class Size:	15-26 students
Curriculum:	Finance
Program Location:	Online
Financial Aid:	Eligible students may qualify for loans
Scholarships:	Merit scholarships available for those who qualify

Contact Information (Admissions):

Email: devos@northwood.edu

Web: www.northwood.edu/graduate

Master of Science in Human Resources (MSHR)

The Master of Science in Human Resources (MSHR) is a highly specialized applied degree integrating core human resources functions and concepts with emerging techniques and capabilities in the field. The MSHR is designed to position graduates as leading subject matter experts and strategic influencers in their organizations.

Demand for HR leaders with both functional and strategic expertise is increasing as the discipline evolves and repositions itself into the C-suite through the application of data analytics, workplace safety, community and belonging, talent strategy, and organizational culture. The program fills a timely and relevant need based on these market and industry shifts.

Required Courses:

HR 603 STRATEGIC HUMAN RESOURCES (3 credits)

This is the required first course in the program that offers students a strategic look at all of the functions of human resources including compensation, staffing, training and development, safety, labor relations, community and belonging principles, and law. Students will examine HR as a strategic function and leadership partner within a variety of organizations (e.g. for-profit, not-for-profit, governmental, large/small, local/global).

HR 616 WORKFORCE PLANNING & STAFFING (3 credits)

Students will examine key strategic practices associated with hiring, retention, succession planning, and performance management. From a strategic perspective, students will explore the interconnected concepts that include recruitment, hiring, termination, motivation, engagement, inclusion, and performance management.

Prerequisite: HR 603

HR 622 STRATEGIC COMPENSATION & BENEFITS (3 credits)

Students will strategically examine compensation and benefits with an emphasis on how organizations can use compensation as a competitive advantage in business decisions. Additionally, students will explore different methods of compensation and unique compensation circumstances (e.g., executive compensation, compensation with labor unions, the use of incentives, etc.) will also be included.

Prerequisite: HR 603

HR 632 HR ANALYTICS & TECHNOLOGY STRATEGIES (3 credits)

Students will explore the importance of analytics in making decisions, forecasting and planning within human resources. Additionally, modules related to human resources information systems and technologies will be included. Students will learn to use data to support decision making within human resources that helps to support organizational strategies.

Prerequisite: HR 603

HR 634 HR IN THE VIRTUAL WORKPLACE (3 credits)

Students will examine how remote working has influenced the different elements of human resources. Functions addressed include staffing, training and development, workplace safety, employment law, communications, building a culture, virtual teams, job sharing, and work/life balance, and productivity.

Prerequisite: HR 603

HR 636 WORKPLACE HEALTH & SAFETY (3 credits)

Students will explore employee health and safety as it relates to employee mental and physical wellness, workplace violence, workplace hazards, and safe working environments. Students will examine the premise of building a culture of safety in order to support strategic initiatives.

Prerequisite: HR 603

HR 638 TRAINING & TALENT DEVELOPMENT (3 credits)

Students will examine the strategic impact of training and will consider best practices in developing talent. Students will consider the best approaches in order to align training with workforce needs in order to achieve organizational goals. Specific areas of focus include onboarding, diversity, and career planning.

Prerequisite: HR 603

HR 672 GLOBAL HUMAN RESOURCES (3 credits)

Students will expand their understanding of human resources through an examination of HR strategies that can support global organizational initiatives. Additionally, students will study the functions of human resources (compensation, staffing, etc.) within the international context. Students will also explore the importance of supporting a diverse workforce as well as an inclusive organizational culture.

Prerequisite: HR 603

HR 692 APPLIED HUMAN RESOURCES CAPSTONE (3 credits)

Required final class in the program. The capstone is an independent, supervised application project covering a topic selected by the individual learner and completed in concert with a faculty member. All capstone projects will be expected to have the potential for measurable impact on their organizations.

Prerequisites: HR 603, HR 616, HR 622, HR 632, HR 634, HR 636, HR 638, HR 672, LAW 618

LAW 618 EMPLOYMENT LAW & ETHICS (3 credits)

Students will gather foundational knowledge of different laws related to workplace safety, compensation, civil rights, equity, hiring/termination, and labor relations. Further, students will apply this foundational knowledge to current workplace situations. Additionally, students will consider perspectives on ethics both at the level of the organization and the employee.

Prerequisite: HR 603

Two elective courses (3 credits ea.) to be chosen from a subset of other Master's programming. (6 credits)

MSHR Program Specifications

Program Start:	Fall, Spring
Length of Program:	24 Months
Total Credits	36
Degree:	Master of Science in Human Resources
Class Size:	15-26 students
Curriculum:	Human Resources
Program Location:	Online
Financial Aid:	Eligible students may qualify for loans
Scholarships:	Merit scholarships available for those who qualify

Contact Information (Admissions):

Email: devos@northwood.edu

Web: www.northwood.edu/graduate

Master of Science in Organizational Leadership (MSOL)

The Master of Science in Organizational Leadership (MSOL) is designed to help you unleash the human potential within your organization while positioning yourself for professional advancement.

The MSOL offers participants a chance to prepare for personal and professional advancement for themselves, their communities, and their organizations. The program design examines the behaviors that facilitate effective personal and organizational leadership and learning, as well as collaborative problem-solving strategies and practices.

Required Courses:

INB 640 GLOBAL PERSPECTIVE (3 credits)

The course introduces students to the fundamental theoretical and institutional constructs that impact business activity in today's globalized society; as well introducing the methods businesses use to solve problems within these constructs. Students will learn and apply fundamental concepts of economics, finance, law and marketing in the global context through practical application based on knowledge acquired via assigned readings, course discussion, problem sets and case studies.

LAW 635 LEGAL ENVIRONMENT IN ORGANIZATIONS (3 credits)

This course will examine a variety of organizational legal structures and considerations that impact decision making at all levels and phases of an organization's existence. The course will also investigate the relationship and differences between legal and ethical obligations while further defining and refining the analytical process for ethical considerations at the individual, team and organizational levels.

MGT 610 MEASUREMENT CONCEPTS & ANALYSIS (3 credits)

This course introduces data analytical techniques that can be used to develop the skills and instincts necessary to make good data-informed decisions and become a more effective organizational leader. Key concepts include techniques used to collect, organize and structure data for analysis including sampling, levels of measurement, measurement scales and the evaluation of survey worth. Emphasis is placed on exploring numerical data and their properties, measures of central tendency, covariance, correlation, basic probability, discrete and continuous probability distributions and confidence interval estimation.

MGT 614 MANAGING & LEADING PEOPLE (3 credits)

The focus of this course is on the behaviors of effective leaders. Specifically, the course will address the ideas of leadership versus management, transitions into leadership roles, power and influence, and contemporary practices in management and leadership that affect individual behavior in order to improve organizational performance. Additionally, several challenges of managing the corporation are also addressed, including change management, ethical decision making, and managing conflict in the workplace.

MGT 626 TECHNOLOGY & INNOVATION (3 credits)

This course offers students an evolutionary process perspective on technology and innovation. The focus is on processes to help organizations better understand and deploy technology and innovation. The course explores the strategic use of technology and innovation with a goal to develop competency, understanding the methodologies and critical thinking needed to achieve a sustainable competitive advantage.

MGT 650 ORGANIZATIONAL STRATEGY (3 credits)

This course will review organization planning processes and then examine the planning process from a strategic perspective. Students will learn how to apply a variety of tools and techniques for decision-making and will develop strategic approaches to management decisions. This course is designed to encourage students to think strategically and operationally about organizations in an increasingly diverse management environment.

MGT 680 CAPSTONE IN ORGANIZATIONAL LEADERSHIP (3 credits)

The capstone is an independent, supervised body of work covering a topic selected by the individual learner. It provides the opportunity to identify and research a leadership topic or issue and explore it in detail. The final outcome is a written document of value to the learner. The capstone requires effective demonstration of mastery over the competency areas and their relationship to organizational leadership. As such, the capstone serves as evidence of the value of the learners' experience in the Master of Science in Organizational Leadership program and will be a valuable addition to their legacy as leaders.

Prerequisites: INB 640, LAW 635, MGT 614, MGT 610, MGT 626, MGT 650, ORG 615, ORG 620, ORG 645

ORG 615 ORGANIZATIONAL TRANSFORMATION & EFFECTIVENESS (3 credits)

This course presents a perspective of theories of organizations through an historical and developmental context, as well as through current practices and their application to organizational transformation in one or more current settings. The future of organizational effectiveness will be considered with respect to trends and possibilities for the 21st century.

ORG 620 ORGANIZATIONAL COMMUNICATION (3 credits)

This course will examine the process of communicating within an organization; viewing organizations as instruments to achieve other ends. It will demonstrate how communication within an organization affects us as individuals at the group, community, national and international levels. Students will realize that to understand the dynamics of power, it is impossible to ignore the organizational communication process. The role organizations play in shaping social structures and influencing social change through their communicative processes will be explored.

ORG 645 ORGANIZATIONAL CULTURES & SYSTEMS (3 credits)

The course examines capabilities and competencies needed to interact with different societal cultures and what skills it takes to build effective local organizational cultures. This course examines organizational culture from an interdisciplinary perspective. Key models of organizational culture and current research studies are investigated with an emphasis on how culture develops and evolves and its relationship to leadership and organizational effectiveness.

Optional Course:

MGT 685 DIRECTED STUDY APPLICATION

Students who wish to conduct research in a specific area of interest under the guidance of a faculty member may apply for directed study. Directed studies can vary in the number of credits. A directed study may not substitute for a required course or duplicate an existing course. Upon completion of the directed study, the student receives a grade from the sponsoring faculty member. Graduate students wishing to do more than one directed study during the course of their program must attach copies of any previous directed study applications to any subsequent applications. The subsequent application will be subject to careful review to ensure that the studies are clearly non-overlapping, separate courses. A student may not do more than one directed study in a given semester nor take more than 4 hours of MGT 685 within their program of study.

MSOL Program Specifications

Program Start:	Fall, Spring, Summer
Length of Program:	24 Months
Total Credits	30
Degree:	Master of Science in Organizational Leadership
Class Size:	15-26 students
Curriculum:	Leadership
Program Location:	Online
Financial Aid:	Eligible students may qualify for loans
Scholarships:	Merit scholarships available for those who qualify

MSOL for Automotive Professionals Program

The MSOL for Automotive Professionals was designed to meet the needs of working automotive professionals balancing the demands of work, home and study. The program is offered entirely online with no required campus visits.

MSOL for Automotive Professionals Program Specifications

Program Start:	Fall, Spring
Length of Program:	24 Months
Total Credits	30
Degree:	Master of Science in Organizational Leadership
Class Size:	15-26 students
Curriculum:	Leadership
Program Location:	Online
Financial Aid:	Eligible students may qualify for loans

Contact Information (Admissions):

Email: devos@northwood.edu

Web: www.northwood.edu/graduate

The University reserves the right to cancel any graduate program start, for any reason; an alternative start date, delivery method or program may be offered in its place.

DOCTOR OF BUSINESS ADMINISTRATION PROGRAM (DBA)

The Doctor of Business Administration (DBA) program is a natural next step for those with a master's degree in a business-related field who are looking to enhance their knowledge and expertise to transform themselves into better problem-solvers and business leaders. This rigorous 54- to 60-credit hour program of study focuses on applying existing theories and knowledge to real-world business problems.

Those who hold DBAs are often in leadership positions such as chief financial officer, chief operating officer, chief executive officer and a variety of other executive management and business consulting roles. The DBA program is ideal for those looking for an opportunity to become a scholar-practitioner that not only applies the latest tools and knowledge in business but creates new knowledge and tools through doctoral research.

Required Courses:

MGT 756 BUSINESS PROCESS ANALYTICS (3 credits)

Students will utilize quantitative lean management tools to improve organizational performance. Topics include sampling, probability, testing for statistically significant change, the design of experiments, and control charting. Emphasis is placed on efficiency tools including six-sigma, process mapping, quality function deployment, root cause analysis, value-added analysis, and failure modes and effects analysis.

Prerequisites: MTH 752, RES 781

MKT 754 APPLIED MARKETING ANALYTICS (3 credits)

Students will apply analytical tools to marketing problems in the areas of customer acquisition, engagement, satisfaction, and retention. Students will segment markets, conduct competitive analysis and use product and service, promotion, distribution, and price analytics to better meet customer needs and enhance organizational performance. Students will also learn additional survey design techniques and computational procedures for data mining social media platforms.

Prerequisites: MTH 752, RES 781

MTH 752 APPLIED DATA ANALYTICS (3 credits)

Students will learn methods of data collection, organization, and analysis. Topics include descriptive statistics, probability, and modeling using regression. Special emphasis will be placed on model specification, measurement error, omitted variable bias, and dealing with violations of the assumptions of linear regression. Students will learn how to use SAS in a lab-like setting to manage data, write programs, and estimate and interpret statistical models.

Prerequisite: RES 781, RES 782

ORG 712 ORGANIZATIONAL THEORY & BEHAVIOR (3 credits)

Students will integrate organizational behavior and management theories with a focus on application. Students will apply major theories and approaches in Organizational Behavior to experiences in their current organization.

Prerequisite: RES 781

ORG 714 ADVANCED COMMUNICATION & CONFLICT RESOLUTION (3 credits)

Students will learn to the complex nature and interplay between business communication, negotiation and conflict resolution. With a focus on application in their current work environment, students will recognize and adapt to negotiation and conflict biases, manage high level business negotiations, communicate with outcomes in mind and apply negotiation and conflict resolution strategies.

Prerequisite: RES 781

ORG 715 UNDERSTANDING & DEVELOPING ORGANIZATIONAL CULTURE (3 credits)

Students will develop the skillset for understanding the complexities of organizational culture, its importance to success and failure in different organizational contexts, the factors leading to its formation and preservation, as well as the approaches and methods for changing it. Special emphasis is on (1) the diagnosis and assessment of culture using traditional techniques like interviews, observations, and surveys as well emerging technological tools and software and 2) the role of leaders and leadership on culture and its impact on organizational performance.

Prerequisites: RES 781

ORG 716 CHANGE MANAGEMENT & INNOVATION (3 credits)

Students will develop the skills to create and approach planned change as well as respond to unexpected organizational change needs, using data to support strategy. Special emphasis will be paid to combining organizational resources and culture with innovation practices that can make organizational change strategically successful.

Prerequisites: RES 781

ORG 744 STRATEGIC HUMAN RESOURCES (3 credits)

Students will focus on developing an operational understanding of how Human Resources impact their organization and strategy relative to their abilities to make strong leadership decisions.

Prerequisites: RES 781

RES 781 INTRODUCTION TO DOCTORAL STUDIES (3 credits)

Students will be provided the orientation to the format and rigor of the scholar-practitioner model used throughout the DBA program. Students will learn the fundamentals of scientific inquiry and applied research. Students will also develop doctoral level skills in applied research reading and writing as well as access to resources for current scholarly literature and research to enhance the success of their DBA program. Special emphasis will be on the transition into the doctoral program at Northwood and specific expectations and examples throughout the course to better prepare students for success.

RES 782 RESEARCH DESIGN & ANALYSIS (3 credits)

Students will learn the foundations for strong research design and applied analytics such as sampling techniques, measurement strategies and qualitative and quantitative methods to approach business problems. By the end of the course students will be able to assess each design type for its application to integrated business issues. Students will also complete their IRB training in this course.

Prerequisite: RES 781

RES 784 QUALITATIVE RESEARCH & ANALYSIS (3 credits)

Students will learn to use qualitative research methods for discovering, observing, and analyzing a variety of organizational phenomena. Special emphasis will be placed on determining when qualitative research is appropriate, followed by the proper planning and pre-research activity to ensure an effective research approach. Students will also learn how to generate, organize, and analyze qualitative research data using emerging technology.

Prerequisite: RES 781

RES 786 MIXED METHODS RESEARCH (3 credits)

Students will learn to integrate quantitative and qualitative research methodologies to design and execute their final dissertation and beyond. A special focus in this class will be in determining at what points mixed methods research adds measurably to research results versus the traditional quantitative or qualitative research approach. In a mixed approach, the research questions, methods, and data are all expected to converge during each stage and function under a uniform set of assumptions related to the research statement.

Prerequisites: RES 781 and RES 782

RES 796 DISSERTATION PROCESS (3 credits)

Students will begin the process of finalizing their dissertation through the necessary steps of creating and submitting a finalized Topic and Committee Nomination Form. This includes the confirmation of a committee chair, two committee members, and a thorough description of the proposed topic of study.

Prerequisites: MTH 752, MKT 754, MGT 756, ORG 712, ORG 714, ORG 715, ORG 716, ORG 744, RES 781, RES 782, RES 784 and RES 786

RES 797 DISSERTATION PROGRESS (repeated as necessary) (12 credits)

Students will continue their research and writing until ready to finalize, present and defend their dissertation. Students must make progress toward completion of their dissertation during each 8-week term, including successful Dissertation Proposal Defense and completion of milestones as agreed upon by the Dissertation Committee. The Pass/Fail status for each student will be determined by the student's Dissertation Committee Chair. *Note: Students will repeat this course as necessary*

Prerequisite: RES 796

RES 798 DISSERTATION COMPLETION & DEFENSE (3 credits)

This course is reserved as the final course a student takes leading to graduation. RES 798 includes a scheduled and successful dissertation defense.

Up to two elective courses may be required for program completion

(0-6 credits)

DBA Program Specifications

Program Start:	Fall, Spring
Length of Program:	36 Months
Total Credits	54-60*
Degree:	Doctor of Business Administration
Class Size:	5-15 students
Curriculum:	Research, Analytics and Leadership
Program Location:	Online (with annual required on-site residencies)
Financial Aid:	Eligible students may qualify for loans

**A range of 30-36 credit hours from a business-related Master's degree will be combined with the completion of 54-60 DBA credit hours to ensure that graduates of the DBA program will have achieved a minimum total of 90 graduate level credit hours upon completion of the Doctor program. Students entering the program with fewer than 36 credit hours of graduate study will be required to complete additional master's level course(s) from the master's programs offered at the Graduate School.*

The University reserves the right to cancel any graduate program start, for any reason; an alternative start date, delivery method or program may be offered in its place.

ADMISSIONS CRITERIA

MBA and MS Programs

Individuals who want to be considered for one of the DeVos MBA or MS programs must hold a four-year, U.S. baccalaureate degree or equivalent from an institutionally accredited institution. To be considered for admission, a candidate must submit a complete portfolio for evaluation. A candidate's portfolio must consist of:

1. Complete a DeVos Online Application at: <https://application.northwood.edu/register/app-selector>
2. Current verifiable resume or curriculum vitae (CV)
3. Official Undergraduate and Graduate Transcripts
 - o Note: If you are a Northwood University alumni or a current student, your transcript(s) will be on file. There is no further action required.

An official transcript from all undergraduate and graduate institutions attended, including the institution where a baccalaureate and master courses and/or degree were awarded are required. You may submit an unofficial copy of your transcript for an admission decision; however, if admitted, DeVos still requires all official transcripts to be registered for graduate courses.

To meet graduate school application deadlines, please allow adequate transcript processing time. Registrars should send official transcripts in sealed envelopes directly to the graduate school or electronically through a secure third-party vendor (i.e., National Student Clearinghouse or Parchment) to registrar@northwood.edu.

Northwood University
Attn: DeVos Registrar
4000 Whiting Drive
Midland, MI 48640-2398
USA

4. Interview – A professional graduate interview conducted by a DeVos Admissions Representative is required.
5. Commitment Deposit - If accepted, a commitment deposit will be required to confirm your space in the program. This non-refundable deposit will reserve your position in the class and will be applied toward your program expenses.

International students who are applying need to submit all of the above if applicable and will also need to submit the following:

1. English Proficiency Exam Scores if English is not your native language. Please review our English Proficiency Policy.
2. Certification of Finances Form with Official Bank Verification.
3. Copy of your Passport (must be valid for at least 6 months beyond the entry date to Northwood University).
4. English translation of all submitted transcripts and diplomas. If Northwood University is unable to determine U.S. equivalency or perform an internal GPA evaluation, the student may be requested to obtain a formal evaluation at their own expense via one of our approved evaluators.

The DeVos Graduate School MBA programs start fall or spring semesters of the applied academic year; MS programs start fall, spring or summer semester of the applied academic year. The University reserves the right to cancel any graduate program start, for any reason; an alternative start date, delivery method or program may be offered in its place.

DBA Program

Individuals who want to be considered for the Doctor of Business Administration degree must hold a master's degree or equivalent from an institutionally accredited institution. All admission materials must be submitted for review prior to admittance into the DBA program.

- Possess a graduate degree from an institutionally accredited college or university within the U. S. or a U.S. equivalent degree from a nationally or internationally-accredited college or university outside the U.S. A graduate business-related degree is preferred.
- All applicants for DBA admission to Northwood University are required to submit an Application for Admission accompanied by a one-time application fee for doctorate programs: <https://application.northwood.edu/register/app-selector>
- Provide all official transcripts for undergraduate and graduate coursework.
 - o Note: If you are a Northwood University alumni or a current student, your transcript(s) will be on file. There is no further action required.
- Have maintained a CGPA of 3.25 or better in previous graduate level coursework earned toward the graduate degree.
- Interview with the DBA Review Committee.
- International students who do not possess a degree from a post-secondary institution, where English is not the principal language of instruction, must have a minimum score of 575 on the Test of English as a Foreign Language (TOEFL).

- Submit a resume.
- Write a 1,000-word essay covering commitment to DBA studies and personal business research interests.
- Submit two letters of recommendation, one from a current or past employer and another from a past instructor able to speak to academic skills.
 - Note: If you are a DeVos Graduate School alumni or a current student, only one letter of recommendation will be required (from a current or past employer).

The DeVos Graduate School DBA program starts fall or spring semesters of the applied academic year. The University reserves the right to cancel any graduate program start, for any reason; an alternative start date, delivery method or program may be offered in its place.

Graduate Test Scores

GRE Codes

4199 Northwood University, DeVos Graduate School

www.ets.org/gre
1-866-473-4373

GMAT Codes

59P-X5-32 Northwood University, DeVos Graduate School

12-Month Accelerated MBA Program

59P-X5-17 Northwood University, DeVos Graduate School

24-Month Evening MBA Program

1-800-717-GMAT (4628)

www.mba.com

GRE/GMAT are not required for admission into any graduate program.

English Proficiency

International graduate student applicants to the DeVos Graduate School must submit standardized exam scores from an approved exam/test and minimum required scores as follows. The scores must be from within the past 24 months at time of application to the University. Applications cannot be considered without the submission of an official score report. However, if an applicant's undergraduate coursework was delivered entirely in English (minimum 3 years of English instruction), standardized exam scores may be waived provided the applicant provides official institutional documentation of delivery in English and/or agrees to pre-admission oral interview.

EXAM	MINIMUM SCORE GRADUATE (MBA)
TOEFL	550 (iTP) 80+ (iBT)
IELTS	6.5 overall band score OR 4.5 (1-6 scale)
Cambridge English Test	CAE or CPE (minimum score of C1)
ELS Language Centers	Level 112
PTE Academic	55 (minimum)
GTEC	1201
Duolingo	120
LanguageCert Academic	72

Transcripts

(Requested through the Admissions Process)

An official transcript from all undergraduate and graduate institutions attended, including the institution where a baccalaureate and master courses and/or degree were awarded are required. You may submit an unofficial copy of your transcript for an admission decision; however, if admitted, DeVos still requires all official transcripts to be registered for graduate courses. Transfer students should reference the Graduate Transfer Credit Policy

To meet graduate school application deadlines, please allow adequate transcript processing time. Registrars should send official transcripts in sealed envelopes to the graduate school.

Northwood University
Attn: DeVos Registrar
4000 Whiting Drive
Midland, MI 48640-2398 USA

Official transcripts are those sent directly to the Office of the Registrar by the issuing institution. Student copies will be accepted on a temporary basis to expedite processing, but your admission will not be finalized until we receive official transcripts. The presence of a “seal” does not make a transcript “official” for admission purposes if it has not been directly conveyed to Northwood.

Please note that any documents you submit electronically, or original documents submitted by mail or in person, as part of your application to Northwood University become the property of Northwood University and cannot be returned. If you are submitting an original document or documents that cannot be replaced, you must submit a copy that has been officially certified as a true copy of the original. Original documents submitted to Northwood University are digitally scanned into our records and the original hard copy may not be retained.

ACADEMIC STANDARDS

Introduction

Northwood University's DeVos Graduate School provides dynamic graduate degree programs for adults designed to strategically expand your managerial and leadership skill sets, equipping you with the necessary tools to lead and drive change in your career and life. You will find yourself in the unique position of having choices in your career and entrepreneurial endeavors that you had not previously thought possible with a graduate business degree from Northwood University.

Academic Integrity

Academic honesty and integrity are fundamental to the educational process of DeVos Graduate School. Academic dishonesty includes:

- Submitting the work of another, as one's own
- Submitting one's own past work as if it is created for a current assignment
- Allowing one's own work to be submitted, in part or total, as the work of another
- Completing any assignment for another student
- Using or submitting any work created for a course to a third-party essay, research or homework internet site*
- Allowing any assignment to be completed for oneself, in part or total, by another
- Interfering, in any way, with the resources or work of another person
- Using or submitting any work created for a course to a third-party essay, research or homework internet site
- Fabricating or falsifying data or results

*It is prohibited to use artificial intelligence, such as ChatGPT, to complete coursework unless explicitly allowed by the instructor. It is important to recognize that submitting work written by artificial intelligence is a violation of the Graduate School Academic Standards in that you are completing an assignment as if it was solely written by you when in fact it was not. If there are any questions about this policy, please ask your instructor.

If an instructor, administrator, or another official of the Graduate School discovers a case of academic dishonesty, the student may receive a failing grade on the assignment or for the course. The Academic Dean will be notified of this incident in writing and will determine whether the circumstances warrant further investigation and or consequences.

Professional Conduct

Students in the DeVos Graduate School are expected to uphold the highest standards of professional, academic and personal conduct. Students should demonstrate Personal and Academic Integrity including: providing complete and accurate information in the application process; refraining from acts involving dishonesty, cheating, fraud, deceit or misrepresentation; refraining from any act of plagiarism, which includes any misrepresentation of academic ownership, including (but not limited to) falsifying citations, presenting another's work as one's own, or using data without permission; and representing all research and writing accurately and without misrepresentation.

Students should exhibit professionalism including upholding legal and ethical standards; demonstrating appropriate self-control (such as anger control, impulse control, response to feedback) in interpersonal relationships with faculty, peers, and other associates; and respecting the fundamental rights, dignity, and worth of all people.

Students should operate with confidentiality including respecting the rights of other students with respect to privacy and confidentiality; maintaining confidentiality regarding class discussion topics; and maintaining the anonymity of subjects used for written deliverables and or classroom discussions/examples.

Academic Notice & Separation

A student must maintain a cumulative grade point average (CGPA) of 3.00 to remain in the program. A CGPA will be calculated for each student at the end of each semester. Students not maintaining a CGPA of 3.00 will be placed on academic notice. If the student has already been placed on academic notice status and they do not maintain a CGPA of 3.00, they will be academically separated from the program at the end of the semester. Students must achieve a CGPA 3.00 for the awarding of the degree.

In addition, receiving an "F" in any course will result in immediate academic separation. A student wishing to dispute an "F" grade should include that in their separation appeal.

Separation appeals should be directed, in writing, within 48 hours of receipt of the separation letter, to the Dean who will consider the merits of the appeal. A response will be sent via email.

A final appeal can be made to the Vice President of Academics of Northwood University within 48 hours of receipt of the appeal decision. The decision of the Vice President of Academics will be sent via email and will be final.

To help ensure successful completion of the student's specific DeVos program, it is highly recommended that students actively monitor their cumulative grade point average and seek mentoring, if needed, from the Graduate Programs Manager, faculty, or the Dean.

Assessment of Performance

Master of Business Administration: Successful completion of the DeVos MBA program requires demonstration of mastery in business acumen, critical thinking, and personal effectiveness skills.

- **Business Acumen:** Students will gain a deep understanding of strategic, tactical and operational actions across business functions, and demonstrate how to assess and improve their own organizations through changes in processes, structures and performance evaluation.
- **Critical Thinking:** Demonstrating a keen ability to gather and assess relevant information, students will raise vital questions and problems with faculty and one another and use reasoning to come to conclusions that can be tested against relevant criteria, working with others to solve complex problems.
- **Personal Effectiveness:** Self-assessment is critical part of personal growth, and successful students will learn to openly explore new ideas from a variety of perspectives and demonstrate a commitment to the success of others through empathy and respect.
- **Global Free Enterprise Perspective:** Promoting the diversity of experience and thought in human interaction is a cornerstone of free market philosophy, and students will assess the importance of individual initiative and personal responsibility as fundamental characteristics for personal success.

Master of Science in Business Analytics: Successful completion of the MSBA program requires demonstration of mastery in data mining, modeling and analytics to solve complex problems and make strong, future-oriented decisions.

- Apply techniques of data mining, modeling and analytics to solve complex business problems.
- Develop competency in the use of analytic toolsets such as SAS, Python, Bitbucket, R and GitHub.
- Use live data to apply the results of an analytics approach to real-world business decisions
- Translate analytic results into effective communication to become better leaders, communicators and team builders.

Master of Science in Finance: Students in the MSF program will utilize advanced methods to: analyze financial data; propose, structure and execute financial and operational strategies; and benchmark results and modify financial plans accordingly.

- Mastery of the technical skills required of an executive and or managerial-level finance professional which include, but are not limited to, time value of money principles, investing principles, treasury management, forecasting and capital budgeting.
- Mastery of knowledge in financial markets, public policy, and a further understanding of how both markets and policy impact private-sector business operations.
- Mastery of critical thinking skills by assessing scenarios portraying financial challenges faced by businesses, identifying appropriate courses of action, and recommending the optimal courses of action available based upon sound financial logic.
- Demonstrate the ability to successfully navigate in the multi-dimensional plane of business by understanding the relationships between finance and other business elements such as accounting, economics, sales, operations, taxation and macro-level business strategy.

Master of Science in Human Resources: After earning the MSHR degree, students will be able to:

- Demonstrate a robust understanding of HR's holistic role in organizational performance.
- Anticipate emerging HR-related opportunities and threats facing organizations and stakeholders.
- Optimize HR-related functions and capabilities to drive internal and external strategies.
- Apply data analytics to strategic and tactical components of HR-related planning and decision making.
- Integrate community and belonging principles throughout organizations.
- Interpret how elements of The Northwood Idea impact and influence organizations and individuals.

Master of Science in Organizational Leadership: Successful completion of the DeVos MSOL program requires demonstration of competence related to the five program domains: Leadership, Measurement, Organizational Transformation & Effectiveness, Innovation & Technology, and Effective Communication.

- Demonstrate the understanding and application of ethical leadership, individual and organizational behavior, planning, critical thinking and decision making.
- Apply the process of collecting, reporting, analyzing and evaluating data to business problems.
- Mastery of individual /organizational and financial measurement practices, assessment and evaluation.
- Mastery of organizational transformation processes, appropriate and skillful use of verbal and written communication and application of innovation & innovative practices within an organizational environment.
- Identify and describe the implications of cross-relationships between all business elements such as finance, accounting, sales, operations, economics, taxation and macro-level business strategy.

Doctor of Business Administration: Successful completion of the DBA program requires demonstration of mastery in data analytics, evidence-based qualitative and quantitative decision-making, and research and knowledge creation for business application.

- Determine which of a variety of qualitative and/or quantitative methodologies is most appropriate given application-oriented research questions, design considerations, and data availability.
- Utilize evidence-based management to design, construct, implement, evaluate, and defend in writing and speech original research that adds to the knowledge base of scholar-practitioners.
- Demonstrate leadership skills and technical capabilities to collect, organize, analyze, and interpret analytical data results to affect positive change in their organizations.

Adding, Dropping, and Withdrawing from Courses

Course Delivery Mode	Add	Drop	W grade	Last Date to Withdraw with a W Grade
4 Week	Until Friday of Week 1 with advisor or dean approval	Until 7 th calendar day of course	Issued from 8 th day of course to last day for withdrawal	Friday of Week 3
6 Week	Until Friday of Week 1 with advisor or dean approval	Until 7 th calendar day of course	Issued from 8 th day of course to last day for withdrawal	Friday of Week 4
8 Week	Until Friday of Week 1 with advisor or dean approval	Until 7 th calendar day of course	Issued from 8 th day of course to last day for withdrawal	Friday of Week 6
10 Week	Until Friday of Week 1 with advisor or dean approval	Until 7 th calendar day of course	Issued from 8 th day of course to last day for withdrawal	Friday of Week 7
16 Week	Until Friday of Week 1 with advisor or dean approval	Until 7 th calendar day of course	Issued from 8 th day of course to last day for withdrawal	Friday of Week 12

Attendance

To comply with federal regulations governing financial aid and veterans' education benefits and F-1 international students, we are required to report students who stop attending or who have never attended class. F-1 students may have their immigration status terminated for non-attendance or poor attendance. This includes not attending class in person or not completing any assigned activities or not logging into the course on a regular basis as specifically promulgated in each course syllabus. Attendance is defined as attending class or logging in and making a meaningful contribution in an academic-related activity such as submission of an assignment, an assessment, engagement in a study group or an online discussion, etc. If a student does not perform the assigned attendance requirement in the first week, or if a student stops attending at any point in the course (for at least a one-week period), the university will drop the student without notice. Beyond the first week, instructors determine attendance for their specific courses. F-1 students must also attend the required orientation prior to attending class.

Cancellation Policy for Wisconsin Distance Education Students

You may cancel acceptance to Northwood University, without any penalty or obligation, within three business days from the day you are accepted (Saturdays, Sundays and holidays are not business days).

If you cancel, any payments made by you, and any negotiable instruments executed by you will be returned within 10 business days following receipt by Northwood University of your cancellation notice, and any security interest will be canceled.

To cancel this transaction, mail or deliver a signed and dated copy of this cancellation notice or any other written notice, or send a telegram to:

Northwood University
Attn: Business Office
4000 Whiting Drive
Midland MI 48640

Note: Purchase of educational goods and services offered by Northwood University is deemed to take place when written and final acceptance is communicated to the student by Northwood. If you have not been accepted in writing at the time you enroll, the cancellation period does not end until midnight of the third business day after the day you receive written acceptance by certified mail from Northwood.

Course Completion

A grade of incomplete may be earned for unfinished course work and is at the discretion of the faculty. The student must satisfactorily complete all work required by the instructor in the timeline determined by the faculty member, with a maximum of 90 days of the end of the course. Circumstances requiring an extension of this period need approval by the Dean prior to the expiration date. Failure to meet these requirements will result in the student receiving an "F" for the course.

DeVos Graduate School Dual-Listed Courses

This opportunity is designed for Northwood University seniors with a GPA of 3.25 or above to provide a glimpse into our graduate offerings while simultaneously filling undergraduate degree requirements. Courses can be taken online or in Midland. The courses are 8 weeks long and first come first serve. Seniors who are part of the BBA/MBA track are excluded from eligibility.

Eligible senior students may take a total of 6 graduate credits (1-2 courses) to be applied to both undergraduate (BBA) and graduate (MBA, MSBA, MSF, MSHR, MSOL) degree requirements. A maximum of six (6) credits may be applied to both degrees.

DeVos Course		MBA	MSBA	MSF	MSHR	MSOL
ORG 612: Human Behavior in Organizations	MGT 4250 or elective	X	X		X	
MGT 614: Managing & Leading People	MGT 3700 or elective	X	X			X
MGT 622: Fundamental Concepts & Approaches to Decision Making	elective	X	X			
FIN 632: Financial Reporting	FIN 3010 or FIN 3210 or elective	X	X	X		

Graduate courses taken as part of their undergraduate degree requirements with a grade of "B" or higher will be considered for credit in MBA and MS programs.

Grading Scale

If your professor uses a point system for grades, a percentage of the points you earned in the class will be converted into a letter grade and will use the following interpretation:

Percentage	Grade	Points	Interpretation
94-100	A	4.0	Demonstrates comprehensive acquisition of all skills articulated in course learning objectives
90-93	A-	3.7	Demonstrates proficient acquisition of most skills articulated in course learning objectives
87-89	B+	3.3	Demonstrates proficient acquisition of many of the skills articulated in course learning objectives
83-86	B	3.0	Demonstrates acceptable acquisition of skills articulated in course learning objectives
80-82	B-	2.7	Does not demonstrate acceptable acquisition of some skills articulated in course learning objectives
70-79	C	2.0	Does not demonstrate acceptable acquisition of many skills articulated in course learning objectives
Below 70%	F	0.0	Does not demonstrate acceptable acquisition of most skills articulated in course learning objectives

Grade Appeals

The Graduate School recognizes that the faculty member is responsible for the evaluation of the student's course work and is the sole judge of the grade earned by the student. Except in the case of a potential calculation error for a course grade, appeals must focus on specific course assignments or other graded components, including participation grades. If a student disagrees with a specific grade received, it is his/her responsibility to formally contact the faculty member, by correspondence, to request a review within 7 days of receiving the grade in question.

If the overall course grade is in question, the student must contact the faculty member, by correspondence, to request a review of the calculation of the total course grade within 7 days of the posted final grade. The faculty member will communicate the results of the grade review and his/her decision to the student. An overall course grade of “F” will result in Academic Separation.

If the student does not agree with the faculty member’s decision, s/he can formally request, via correspondence, a mediation meeting with the Division Chair. Correspondence should include the reason for the request for mediation, reasons for disagreement with the faculty member’s decision and copies of the documentation submitted to the faculty member. The Division Chair will schedule a meeting, acting as mediator not arbitrator, between the faculty member and student. If the two parties reach agreement, the Division Chair will submit documentation to the student file indicating this decision.

If it has not been resolved to the student’s satisfaction, the final step is for the student to submit a letter of appeal requesting a formal and definitive decision from the Associate Academic Dean. This correspondence must clearly state why the student believes that a resolution cannot be reached. The Associate Academic Dean will formally submit a decision based on the mediation meeting and submitted materials. The grade review closes once this decision has been made.

Graduation Requirements

Successful completion of any DeVos Program requires a cumulative grade point average of 3.00 or greater for all course work required by the specific DeVos Program. In order to receive a diploma, accounts receivable must be at a zero balance and a graduation application must be completed by each student at an additional cost.

To maintain satisfactory progress in the program, students are expected to enroll in the prescribed course schedule each semester. In MBA and MS programs, all coursework requirements must be completed within five years of the student’s program start date. All coursework in the DBA program must be completed within six years. The overall DBA degree, including dissertation, must be completed in nine years. When requesting an extension beyond the allotted time, the student will need to demonstrate how earlier coursework remains current. If a student is given an exception to the program time limit it must be approved by the Dean and Vice President of Academics. In addition, the student must complete the current program of study as opposed to the original program of study.

Leave of Absence & Program Withdrawal Process

A leave of absence must be requested by a student when personal circumstances interfere with their ability to make satisfactory progress toward degree completion. A leave of absence is requested from and granted by the Assistant Dean or the Graduate Program Manager. An approved leave that exceeds a year will result in withdrawal from the institution. If a student is granted an immediate leave of absence during a semester, the student must withdraw from all current courses as well as program of study. Re-entry into the program will require the creation of a new program of study. A student who takes an unauthorized leave of absence will be considered to have voluntarily withdrawn from the program.

Students who wish to withdraw from their program with a grade of “W” must contact their Graduate Programs Manager to officially begin the process prior to:

- 4 Week Course: Friday of Week 3
- 6 Week Course: Friday of Week 4
- 8 Week Course: Friday of Week 6
- 10 Week Course: Friday of Week 7
- 16 Week Course: Friday of Week 12

Dissertation Hiatus

Within the DBA program, students may decide to take a “hiatus” during their dissertation period. A hiatus may be granted for up to one semester at a time. Extensions may be allowed but must be requested. While on hiatus, students are not registered for credits and are expected to take a break from their dissertation work. Students on hiatus are not considered actively enrolled and cannot work with or communicate with their dissertation committee. Access to university resources, including libraries and email, may be limited or suspended during the hiatus period.

Students must re-enroll to regain active student status and resume work with their dissertation committee. It is the student's responsibility to communicate with their dissertation committee to see if they are still willing and available to again serve on the committee. A student who takes an unauthorized hiatus, fails to return from hiatus as scheduled, or fails to secure an extension will be considered to have voluntarily withdrawn from the institution. The student must complete a returning student application to be re-admitted. Students may appeal decisions regarding hiatus to the Associate Academic Dean.

University funding is deferred during the hiatus period. External funding is subject to the conditions of the funding source. If you are currently receiving financial aid, your hiatus status will affect your eligibility and may have other implications. Please contact the Financial Aid Department at mi.finaid@northwood.edu to discuss your individual circumstances.

Northwood Email Expectations

All Northwood-related communication will be sent to the student's email address. Students are expected to check their Northwood University email address on a regular basis.

Registration

Any student with a hold on their account due to non-payment will not be able to register or be registered for the following semester until their account balance is paid, in full. Students who are not registered for class may not attend, be active, have access to course materials or submit assignments. In addition, no student will be registered for class after the second week of any course start.

Please refer to the Payments section on tuition due dates.

Repeat Course Policy

A graduate student may repeat a graduate course with an earned grade of 'C' or lower, one time, to meet graduation requirements. Should a student need to repeat a course(s) to meet graduation requirements, the grade earned in the most recent attempt will replace the prior grade in the calculation of cumulative credit totals and grade point average, even if that grade is lower than the previous grade. Initial and repeated enrollments in the same course count as hours attempted and will be included on the student's transcript. A student may receive financial aid for repeating a failed course until it is passed. A student may receive financial aid for repeating a previously passed course once. All financial aid inquiries should be confirmed with the Financial Aid Office. Repeat courses will be charged at the current rate of tuition, not the tuition rate at which the student began the program.

Student Resources

The DeVos Graduate School has a residential location on the Midland, Michigan Northwood University Campus. This location includes computer labs, lounges, and breakout rooms for student use. The University-provided computers have all of the necessary software applications that students need to complete their course work. Also, students may bring personal laptops and connect to the internet through Northwood's wireless network.

All DeVos Graduate School students are given access to both an internet and intranet account at the University as well as an email account.

Disability Services

Northwood University is committed to providing reasonable accommodations to students with disabilities in accordance with the Americans with Disabilities Act and Section 504 of the Rehabilitation Act. Based on these laws and University policy, the University:

- Does not engage in discrimination based on student disabilities.
- Does not impose eligibility criteria that will screen out disabled students.
- Reasonably accommodates students through an interactive process.

Please provide official documentation for academic accommodations to the Disability Services Director at disabilityservices@northwood.edu or fax to (989) 837-4111.

Transfer Credit Policy

Graduate credit may be accepted from institutionally accredited schools to be applied to graduate degree programs at Northwood University's DeVos Graduate School. Acceptable transfer credit(s) will be subject to the approval of the Academic Dean of the Graduate School and the Registrar's Office. Graduate School administration will evaluate the graduate credits on official transcripts for equivalency with specific program requirements to make the determination on credit transfer. Transfer credits (including the transfer of elective course(s)) must be equivalent to a course offered by the DeVos Graduate School. Any exceptions to the policy below must be approved by the Dean.

MBA and MS Programs

A maximum of nine transfer credits may be accepted, but are not guaranteed. The graduate transfer credits must be completed fewer than five years prior to the start of the Northwood University degree. Graduate courses taken at Northwood University within ten years following the date of initial admission may be evaluated for credit to apply to an additional degree.

- Upon acceptance, students must request transfer credit evaluation. Transfer credit will be considered only for courses that have an equivalent course within the current curriculum of the DeVos Graduate School.
- The transfer credits must reflect an earned grade of 3.00 or higher on a 4.00 scale consistent with the DeVos Graduate School's academic standards.
- Transfer credits must also be documented as graduate credit on an official graduate transcript from an institutionally accredited institution.
- Capstone courses, as well as thesis and dissertation courses, may not be transferred.
- The Northwood University DeVos Graduate School will only accept equivalent course transfer credits, not grades.

DBA Program

A maximum of nine hours of doctoral-level graduate credit may be accepted from institutionally accredited institutions to be applied to the DBA program. The graduate transfer credits must be completed fewer than three years prior to the start of the Northwood University degree.

- Upon acceptance, students must request transfer credit evaluation. Transfer credit will be considered only for courses that have an equivalent course within the current curriculum of the DeVos Graduate School.
- The transfer credits must reflect an earned grade of 3.00 or higher on a 4.00 scale consistent with the DeVos Graduate School's academic standards.
- Transfer credits must be documented as graduate credit on an official graduate transcript from an institutionally accredited institution.
- Capstone courses, as well as thesis and dissertation courses, may not be transferred.
- The Northwood University DeVos Graduate School will only accept equivalent course transfer credits, not grades.

FINANCIAL POLICIES

Payments

Payment must be received by the due date each semester. Payment received after the due date is subject to a late payment fee of \$200.00. A \$35.00 service charge will be added for each check returned unpaid by the bank, and an additional \$10.00 if not paid in ten days. All unpaid fines (parking, library) or other college expenses will have an additional \$10.00 charge if not paid during the term or are turned into the Business Office for collection. All checks are to be made payable in U.S. funds. The student is responsible for any exchange fees or bank charges associated with non-U.S. checks. Any student whose account has been written off to collection will not be allowed to take classes until the balance has been paid.

Any student with an account balance will not have the opportunity to attend or be active in any DeVos Capstone or final course prior to graduation until their account balance is paid in full. This includes but is not limited to MGT 679 Management & Leadership Capstone, MGT 698 GM Capstone Project, MGT 689 Automotive & Mobility Capstone Project, HLI 695 Health Leadership & Innovation Capstone, MGT 680 Capstone in Organizational Leadership, FIN 690 Capstone in Finance, MGT 683 MSBA Directed Capstone, and HR 692 Applied Human Resources Capstone.

Please refer to the Registration section for registration limitations.

Refunds

Given a student makes class changes, prior to the start of the semester, prepayments will be refunded in full with the exception of application fee and commitment deposits. All charges stand after the start of the semester and will be refunded as follows, regardless of the number of class sessions:

- 90% week 1 of the course(s)
- 75% week 2 of the course(s)
- 50% week 3 of the course(s)
- 0% week 4 of the course(s)

All courses that span 16 weeks begin on day 1 of the semester

All courses that span 10 weeks begin on day 1 of the semester

All courses that span 8 weeks begin on Monday of the course start date, regardless of the class meeting date.

All courses that span 6 weeks begin on Monday of the course start date, regardless of the class meeting date.

All courses that span 4 weeks begin on Monday of the course start date, regardless of the class meeting date.

*NOTE: Weeks listed above begin Monday and run through Sunday and include holidays, regardless of the first day of class.

Refund calculations will be based upon the date the student begins the official withdrawal process.

The university reserves the right to establish different refund policies per written agreement with overseas agencies.

Refunds for Recipients of Federal Financial Aid

Federal law specifies how Northwood determines the amount of Title IV aid you can earn if you completely withdraw from school. The Title IV programs that are covered by this law are: Federal Pell Grants, Academic Competitiveness Grants (ACG), National SMART Grants, TEACH Grants, Stafford Loans, PLUS Loans, Federal Supplemental Educational Opportunity Grants (FSEOGs), and Federal Perkins Loans.

Please contact your Financial Aid Department for additional details.

Refund Policy for Wisconsin Distance Education Students

Students will receive a full refund of all money paid if the student:

1. Cancels within the three-business-day cancellation period under EAB 6.04;
2. Accepted was unqualified and the school did not secure a disclaimer under EAB 9.04;
3. Enrollment was procured as the result of any misrepresentation in the written materials used by the school or in oral representations made by or on behalf of the school.

Refunds will be made within 10 business days of cancellation.

A student who withdraws or is dismissed after attending at least one class, but before completing 60% of the instruction in the current enrollment period, is entitled to a pro rata refund as follows:

<u>At Least</u>	<u>But Less Than</u>	<u>Refund of Tuition</u>
1 unit/class	10%	90%
10%	20%	80%
20%	30%	70%
30%	40%	60%
40%	50%	50%
50%	60%	40%
60%	0	no refund

As part of this policy, the school may retain a one-time application fee of no more than \$100. The school will make every effort to refund prepaid amounts for books, supplies and other charges. A student will receive the refund within 40 days of termination date. If a student withdraws after completing 60% of the instruction, and withdrawal is due to mitigating circumstances beyond the student's control, the school may refund a pro rata amount.

A written notice of withdrawal is not required.

FUNDING YOUR GRADUATE DEGREE

General Funding Information

Students seeking financial aid should first apply for admission to the MBA program. Applicants for financial assistance should direct all questions to Northwood University's Financial Aid Office (989) 837-4230, identifying themselves as DeVos Graduate School applicants.

Northwood University offers several means of funding for your education. The resources available guide you as steps to securing funding for your education. Additional resources, lender information, Student Loan Code of Conduct, and all necessary forms can be found on our website: <https://www.northwood.edu/financial-aid/forms>.

MBA and MS Scholarships

The DeVos Graduate School has limited scholarship opportunities available to eligible students formally admitted to the MBA and MS Programs. To be eligible, students must enter and remain in good academic standing.

Early Decision Scholarship – MBA only

All applicants must submit application materials (including application fee), be accepted and have all commitment materials submitted by the Early Decision deadline in order to be eligible for the Early Decision Scholarship Award. Students receiving 75% or more in outside tuition reimbursement/benefit (i.e., from employer, VA, etc.) are not eligible for MBAS scholarships. MBAS scholarships may not be combined with company or 3rd-party partnership discounts or other forms of reduced tuition.

Early Decision Scholarship Award Amount:	\$1,200.00
Early Decision Scholarship Deadline:	June 30 (fall start) November 15 (spring start)

Merit Scholarships – MBA and MS only

Scholarship awards are capped.

12 Month Accelerated GPA Scholarship

Based on cumulative GPA (3.25-4.00) ranging from \$3,600 to \$9,000.

Amounts above include campus life merit upgrade for students living on campus. Scholarship amount is allocated in three even installments over each semester.

On-Ground Evening MBA Program

Based on cumulative GPA (3.00-4.00) ranging from \$1,200 to \$6,000. Scholarship amount is allocated in six even installments over each semester.

Online MBA or MS Program

Based on cumulative GPA (3.00-4.00) ranging from \$1,200 to \$3,000. Scholarship amount is allocated in six even installments over each semester.

Scholarship Facts

If a student receives less than 75% tuition reimbursement, they would be eligible for the Early Decision Scholarship, unless the amount exceeds the total program cost. MS students are not eligible for the Early Decision Scholarship.

If a student receives less than 75% tuition reimbursement, they may qualify for the Merit Scholarship.

The total scholarship award will be allocated equally over each semester of the student's prescribed program of study (12-Month Accelerated MBA students: three equal installments; 24-Month Evening, and Online MBA and MS Program students: six equal installments)

BBA/MBA students will not become eligible for the scholarships listed above upon completion of the BBA portion of the Accelerated MBA program. Graduate students in partnership programs do not qualify for early decision or merit scholarships, but may be eligible for partnership scholarships.

Students receiving a tuition discount are not eligible for any scholarship listed above.

Private Donor Scholarships

Many Northwood friends and affiliates have generously provided funding for private scholarships for students. All graduate program applicants and students may apply for Private Donor Scholarships.

Application available at www.northwood.edu.

Veterans' Benefits

Any student eligible for veterans' benefits must contact the Veterans Certifying Official at military@northwood.edu for initiation and certification of benefits to the Department of Veterans Affairs. It is the student's obligation, on a semester-by-semester basis, to notify the Northwood VA Certifying Official of his/her class schedule and any change in the schedule (withdrawals, drop/add) throughout a semester.

ACCREDITATIONS, APPROVALS, AND MEMBERSHIPS

Northwood University believes it has a responsibility to its students and the industries and communities it serves to provide the highest standard of educational excellence possible. One measure of how well an educational institution meets this responsibility is in its accreditations and approvals by outside education associations and governmental interests. Because each Northwood location is served, at least partially, by different governmental agencies and academic accrediting bodies, and because all have been in existence for varying lengths of time, the accreditations and approvals may vary from one location to another.

All Northwood University campuses/locations have the following accreditations and approvals:

- Northwood University has institutional accreditation through the Higher Learning Commission (800-621-7440, www.hlcommission.org).
- Northwood University business degree programs have business specialty accreditation from the Accreditation Council for Business Schools and Programs (ACBSP) (www.acbsp.org).
- The United States Department of Homeland Security (DHS) certified school for nonimmigrant foreign students (F-visa); Citizenship and Immigration Services (USCIS)/ Immigration and Customs Enforcement (ICE); and Student and Exchange Visitor Program (SEVP) as a higher education institution for international students.
- Respective state offices for Veterans Administration programs as a higher education institution for degree-seeking qualified veterans and dependents.
- The U.S. Bureau of Internal Revenue as a tax-exempt institution as provided for in Section 501 (c) (3) and other applicable parts of the Internal Revenue Code for higher education organizations.
- National Council of State Authorization of Reciprocity Agreements (NC-SARA) for distance education.

Northwood University memberships are represented in such educational and professional organizations as:

- American Accounting Association
- American Advertising Federation
- American Association of Collegiate Registrars and Admissions Officers
- American Certified Fraud Examiners
- American College Health Association
- American College Personnel Association
- American Hotel and Lodging Association
- American Institute of Certified Public Accountants
- American Library Association
- American Management Association
- American Marketing Association
- American Marketing League Association
- American Payroll Association
- American Taxation Association
- Association for Communications Technology Professionals in Higher Education
- Association for Higher Education and Disability
- Association for Leadership Educators
- Association for the Tutoring Profession
- Association of College and Research Libraries
- Association of College and University Housing Officers International
- Association of College and University Telecommunications Administrators
- Association of Professional Researchers for Advancement
- Association of University Programs in Health Administration
- Association of Veterans Educators Certifying Officials
- Automotive Aftermarket Industry Association
- College and University Personnel Association for Human Resources
- Council for Adult and Experiential Learning
- Council for Advancement and Support of Education
- Council for the Advancement of Experiential Learning
- Council for Higher Education Accreditation
- Council for Hotel and Restaurant and Institutional Education
- Data Processing Management Association
- Educause
- Family Enterprise Research Scholars
- Family Firm Institute
- Global Consortium of Entrepreneurship Centers
- Intercollegiate Press Association
- International Assembly for Collegiate Business Education
- International Council on Hotel, Restaurant & Institutional Education
- International Leadership Association
- Mathematical Association of America
- Motor and Equipment Manufacturing Association
- National Academic Advising Association
- National Advertising Federation
- National Association for Campus Activities
- National Association for College Admission Counseling
- National Association for Developmental Education
- National Association of College Admissions Counselors
- National Association of College Auxiliary Services
- National Association of College Stores (through its

- bookstore provider) National Association of College and University Business Officers
- National Association of Colleges and Employers
- National Association of Educational Buyers
- National Association of Independent Colleges and Universities
- National Association of Intercollegiate Athletics
- National Association of International Educators
- National Association of Graduate Admissions Professionals
- National Association of College and University Mail Services
- National Association of Student Financial Aid Administrators
- National Association of Student Personnel Administrators
- National Association of Veterans Programs Administrators
- National Automobile Dealers Association
- National Collegiate Athletic Association
- National Collegiate Honors Council
- National College Learning Center Association
- National Cooperative Education Association
- National Council of Teachers of English
- National Council of Teachers of Mathematics
- National Council of Women of the United States
- National Home Fashions League
- National Restaurant Association
- Newspaper Association of America
- Organization of American Historians
- Photographers' Association of America
- Society for College and University Planning
- Society for Human Resources
- Specialty Equipment Market Association
- The Fashion Group
- University Risk Management and Insurance Association

Northwood is a fully cooperative participant in the programs of:

- American College Testing (ACT)
- College Entrance Examination Board (CEEB)
- College Level Examination Program (CLEP)
- Defense Activity for Non-Traditional Education Support (DANTES)
- Educational Institute of the American Hotel and Motel Association
- Scholastic Assessment Test (SAT)

Northwood University, Michigan Campus

The Michigan campus has, in addition to general approvals previously listed, these specific approvals:

- Approved by the State of Michigan Department of Licensing and Regulatory Affairs as a higher education institution eligible for state assistance programs for grants, loans, and scholarships.
- Certified by the Michigan Department of State, the Michigan Corporation and Securities Commission, and the State Board of Education as a non-profit, tax-exempt Corporation for educational purposes under Act 327, Public Acts of 1931, as amended.
- Listed in the Education Directory, Part III, Higher Education, and is qualified for participation in certain federally approved assistance programs administered by the United States Office of Education.
- The Timberwolf Learning Resource Center is certified by the College Reading & Learning Association (CRLA).

The Michigan Campus is represented in the following organizations:

- Adcraft Club of Detroit
- Alpha Mu Alpha (National Marketing Honorary Society)
- American College of Healthcare Executives
- American Culinary Association
- American Economic Association
- American Marketing Association/Chicago Chapter
- American Mock Trail Association
- American Political Science Association
- Association for Business Simulation and Experiential Learning
- Association for Supply Chain Management
- Central Association of College and University Business Officers
- Association of University Programs in Health Administration
- Chartered Property Casualty Underwriter Society
- Collegiate DECA
- Council for Six Sigma Certification
- Decision Sciences Institute
- Detroit Economic Club
- Great Midwest Athletics Conference
- Industrial Marketers of Detroit
- Institute of Management Accountants
- Library Orientation Exchange
- Mackinac Center for Public Policy Analysis
- Meeting Professionals International Michigan Chapter
- Michigan Academic Library Council

- Michigan Academy of Science, Arts, and Letters
- Michigan ACE Women's Leadership Network
- Michigan Association for College Admissions Counseling
- Michigan Association for Counseling and Development
- Michigan Association of Certified Public Accountants
- Michigan Association of Collegiate Registrars and Admissions Officers
- Michigan Association of Minority Business Students
- Michigan Association of Physical Plant Administrators
- Michigan Campus Compact
- Michigan Chamber of Commerce Michigan College and University Placement Association
- Michigan College Personnel Association
- Michigan Collegiate Telecommunication Association
- Michigan Council of Hotel, Restaurant and Institutional Education
- Michigan Council of Teachers of Mathematics
- Michigan Health Council
- Michigan Historical Commission
- Michigan Health & Hospital Association
- Michigan Hotel and Lodging Association
- Michigan Independent Colleges and Universities
- Michigan Library Association
- Michigan Lodging Association
- Michigan Personnel and Guidance Association
- Michigan Press Association
- Michigan Restaurant Association
- Michigan Society of Association Executives
- Michigan Student Financial Aid Association
- Michigan Tutorial Association
- Mid-American College Health Association
- Mid-American Greek Council
- Midland Artist Guild
- Midland Business Alliance
- Midland Tomorrow
- Midwest Accounting Society
- Midwest Business Administration Association
- Mont Pelerin Society
- Nurse Directed College Health
- Philadelphia Society
- SEMA Businesswomen's Network
- Service Members Opportunity College
- Southern Political Science Association
- Special Libraries Association
- The Council for Six Sigma Certification
- The Michigan Women's Studies Association
- Transportation Club of Detroit
- Women's Automotive Association International
- Women's Car Care Council

Other Licensure and Approvals

Northwood University is also authorized to operate as a degree-granting institution in the following states:

Kentucky

Kentucky Council on Postsecondary Education
100 Airport Road, 2nd Floor
Frankfort, KY 40601
(502) 573-1555
www.cpe.ky.gov

Indiana

The Indiana Commission for Higher Education/
The Indiana Board for Proprietary Education
101 West Ohio Street, Suite 300
Indianapolis, IN 46204-4206

Northwood University Board of Trustees

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DIRECTORY

(As of August 24, 2026)

Officers of the University

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M.B.A., University of Ottawa	
M.Ed., St. Francis Xavier University	
Ed.D., University of Pennsylvania	
Murray Kyte	Executive Vice President and Chief Operating Officer
M.Ed., Charles Sturt University	
J.D., University of Ottawa	
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B.B.A., Grand Valley State University	
Kristin Stehouwer	Academic Vice President and Provost
B.A., M.A., Ph.D., Northwestern University	

Administrative Staff

Julie Adamczyk	Executive Director, Alumni Relations
A.A., B.B.A., Northwood University	
Gregory Alles	Senior Systems Administrator
B.S., Saginaw Valley State University	
Paxton Ambrose	Coordinator, Player Success and Recruiting
David Anderton	Head Coach, Tennis
Erick Arnold	Associate Head Coach, Football
B.A., Albion College	
Bradley Baldwin	Head Coach, Baseball
B.S., Wayne State University	
M.B.A., Ashland University	
Brennan Baldwin	Programmer Analyst/Report Writer
B.B.A., Northwood University	
Megan Bahlke	Associate Director, Financial Aid
Michelle Balee	Prior Learning Specialist
B.A., Springhill College	
M.A., St. Louis University	
Ph.D., New York University	
Sara Barker	Coordinator, Campus Wellness and Recreation
A.A., B.B.A., Northwood University	
Matthew Bennett	Vice President, Strategic Alliances and CAMS
A.A., B.B.A., M.B.A., Northwood University	
D.B.A., Lawrence Technological University	
Jake Benzinger	Assistant Coach, Football
B.A., M.P.M., Wake Forest University	
Jeffrey Berger	Supervisor, Physical Plant
Dustin Beurer	Head Coach, Football
B.A., Albion College	
M.A., Morehead State University	
Kimberly Bryant	Academic Advisor
A.A., B.B.A., Northwood University	
Matthew Bullinger	Assistant Coach, Men's Basketball
B.S., Indiana University	
Steve Bushre	Head Coach, Men's Soccer
Angela Capp	Office Manager
A.A., Delta College	
B.B.A., Northwood University	
Jennifer Carpenter	Director, Signature Events
B.S., Ferris State University	
Diana Cavazos-Garcia	School Certifying Official
B.B.A., Northwood University	

Administrative Staff continued

Matthew Chovanec	Assistant Coach, Track and Field
Pamela Christie	Assistant Vice President, Human Resources and Performance Management
B.B.A., Northwood University	
Thomas Church	Head Coach, Men's Basketball
B.S., M.Ed., Ashland University	
Julia Colpaert	Assistant Coach, Women's Lacrosse
B.B.A., Northwood University	
Jorden Cooper	Head Coach, Hockey DI
B.S., Central Michigan University	
Sunny Crawley	Assistant Academic Dean
B.S., Brigham Young University	
Ph.D., Virginia Polytechnic Institute and State University	
S. Andy Cripe	Dean, Student Affairs
B.S., Manchester College	
M.S., Michigan State University	
James Croan	Division Head, Automotive Retail
B.B.A., Northwood University	
M.S., Indiana Wesleyan University	
Jeff Curtis	Athletic Director
B.A., Alma College	
M.A., Central Michigan University	
Amy Denton	Director, Corporate Education & Emerging Markets
M.S., Central Michigan University	
Timothy Di Mango	Assistant Athletic Trainer
B.S., Central Michigan University	
M.S., Central Washington University	
Wendy DiGirolamo	Associate Registrar/Systems Specialist
A.A.S., Delta College	
B.B.A., M.B.A., Northwood University	
Serena Dingman	Admissions Representative I
A.B.A., Lansing Community College	
B.B.A., Northwood University	
Brent Domine	Major Gift Officer
A.A., B.B.A., Northwood University	
Kate Dornbos	Assistant Athletic Director for Sports Medicine
B.A., Hope College	
M.A., Western Michigan University	
Kelly Duhaime	Executive Assistant, Advancement
B.B.A., Northwood University	
Carmel Evon	Associate Registrar
A.A., Alpena Community College	
B.A., M.A., Central Michigan University	
Taky Ezell	Alumni Communications Specialist
B.B.A., M.B.A., Northwood University	
Coleton Ezop	Financial Aid Counselor II
B.B.A., Northwood University	
James Felton	Admissions Counselor
B.B.A., Northwood University	
Shawn Finnerty	Financial Services Clerk
Martin Finney	Director, Community College Partnerships
B.A., M.A., Saginaw Valley State University	
Scott Fisher	Assistant Athletic Director, Facilities and Events
B.A., Saginaw Valley State University	
M.A., Central Michigan University	
Benjamin Fortin	Instructional Designer
B.S., M.A., Central Michigan University	
Linda Frazier	Human Resources Generalist
B.G.S., Oakland University	
James Fredal	Head Coach, Men's Lacrosse
B.S., Lemoyne College	

Administrative Staff continued

Jennifer Freeland	Admissions Counselor
B.A.A., Central Michigan University	
Aden Frosch	Assistant Coach, Esports
B.B.A., Northwood University	
Justin Ganzak	Programmer Analyst
B.S., Saginaw Valley State University	
Lisa Geiersbach	Director, Advancement Services
B.A., Central Michigan University	
Melissa Glaser	Academic Advisor
B.A., Bellarmine University	
Brooke Gomez	Director, Compliance and Tax Matters
B.S.W., M.P.H., Saginaw Valley State University	
Nicole Gonzalez	Academic Advisor
B.A., Albion College	
Daniel Goodell	Coordinator, Media Services and Learning Technology
B.S., Grand Valley State University	
Jesus Grafilo	Senior Specialist, Admissions & Strategic Alliances
A.A., B.B.A., Northwood University	
Rebecca Grai	Head of Circulation
B.B.A., Northwood University	
Todd Grzegorzcyk	Academic Management Senior System Administrator
B.S., Kettering University	
Kylee Gulliver	Assistant Athletic Trainer
B.S., Central Michigan University	
Laura Habat	Prospect Research Analyst
B.A., The College of Wooster	
M.L.I.S., Kent State University	
Tamara Hageage	Director, Timberwolf Learning Center and IEP
B.A., University of Washington	
M.A., University of Toledo	
Nicole Hayes	Marketing Specialist
B.B.A., Saginaw Valley State University	
Leonard Haynes	Development Officer
A.A., B.B.A., Northwood University	
M.B.A., Salem International University	
Marisa Hernandez	University Registrar
A.A., B.B.A., Northwood University	
M.B.A., Ed.D., Central Michigan University	
Kathryn Hessling	Executive Director, Communication and Public Relations
B.S., Central Michigan University	
Gloria Heye	Graphic Designer
A.A., Delta College	
B.F.A., Central Michigan University	
Nancy Hoefer	Director, Student Life
B.A., Indiana University	
Brittney Horan	Head Coach, Softball
B.A.A., M.A., Central Michigan University	
Autumn Hunter	Head Coach, Women's Basketball
B.A., Albion College	
Chelsea Hunter	Assistant Athletic Director, Compliance
B.S., University of Louisville	
Rilla Hynes	Corporate Admissions Representative/Academic Advisor
B.A., University of Wisconsin - Milwaukee	
M.A., Norwich University	
D.M., University of Phoenix	
Lori Isenhardt	Senior HR Generalist & Benefits Specialist
A.A., B.B.A., Northwood University	
Ellen Iwanow	Director, Academic Advising
B.S., Michigan State University	
M.A., Central Michigan University	

Administrative Staff continued

Jacob Jacob	Head Coach, ESports
A.B.S., Delta College	
B.B.A., Northwood University	
Brendan Jenema	Network Engineer
A.A.S., Delta College	
Andrew Johnson	Executive Director, International Business Development
Heather Johnson	Associate Head Coach, Track and Field
B.A., Grand Valley State University	
M.Ed., Northern Arizona University	
Dolores Kellett	Payroll Specialist
A.A.S., Davenport University	
Susan Kelly	Assistant Coach, Volleyball
B.A., Bethany College	
M.A., Gordon-Cornwell Theological Seminary	
M.Ed., University of Virginia	
Connie Keyser	Gift Accounting and Data Specialist
A.S., B.A.S., Davenport University, Grand Rapids	
Alexsis Koch	Admissions Engagement Coordinator
A.A., Northwood University	
Michael Korhonen	Head Coach, Women's Soccer
Spencer Korson	Coordinator, Student Leadership and Engagement
B.S.E., M.A., Central Michigan University	
Sunny Kukreja	Network Engineer
B.B.A., Northwood University	
Logan Kyre	Admissions Events Coordinator
B.A., Olivet College	
Kim Laabs	Accounts Payable Clerk
Garrett Lacy	Head Coach, Cross Country
B.A., Alma College	
Matt Laux	Admissions Representative, Military and Public Safety
B.A., Saginaw Valley State University	
Matthew Lindauer	Undergraduate Programs Manager
B.S., Michigan State University	
M.P.A., California State University Fullerton	
Emma Lobodzinski	Academic Operations Coordinator
B.A., Saginaw Valley State University	
Victoria Loudon	Admissions Representative I
B.S., Arkansas State University	
M.A., Webster University	
Mark Lund	Assistant Provost and Director of Institutional Research
B.S., Wheaton College	
Ph.D., Northern Illinois University	
Gizell Maloney	Experiential Learning and Academic Specialist
B.B.A., Northwood University	
Seth Marano	Assistant Coach, Baseball
Justin Marshall	Vice President, Advancement
A.A., B.B.A., Northwood University	
Isaac Martinez	Assistant Coach, Football
M.A., Central Michigan University	
Alyssa Mayo	Academic and Disability Services Coordinator
A.G.S., Delta College	
B.B.A., Northwood University	
Dana McCann	Director, SAP Projects & Initiatives, Associate Professor
B.B.A., Saginaw Valley University	
M.B.A., Central Michigan University	
Travis McCurdy	Assistant Athletic Director
B.A., Saginaw Valley State University	
Christie McDonald	Executive Director, Enrollment and Financial Aid
A.A., B.B.A., Northwood University	
M.S., Central Michigan University	
Ph.D., Walden University	

Administrative Staff continued

F. Patrick McElgunn	Director, Alden B. Dow Center for Creativity and Enterprise
B.A., Hope College	
M.B.A., Saginaw Valley State University	
Michael McKerr	Assistant Athletic Director, Promotions
B.B.A., M.B.A., Northwood University	
Robyn McLaughlin	Associate Director, Alumni
B.S., M.N.P.S., M.Ed., Arizona State University	
Gavin McMacken	Assistant Director, Residential Life & Housing Coordinator
B.A., Alma College	
M.A., Loras College	
Jacqueline Metcalf	Coordinator, International Student Engagement & Programming
B.A., Kalamazoo College	
M.A., University of Chicago	
Addie Miller	Academic Advisor
B.A., Western Michigan University	
Katie Milligan	Learning Designer
A.B.S., Delta College	
Jason Miran	Assistant Coach, Football
B.S., University of Pennsylvania	
Susan Mishler	Director, Health Services
A.A.S., Delta College	
B.S.N., Ferris State University	
Casey Moore	Information Security Administrator
A.A.S., B.S., Baker College - Owosso	
Tara Moore	Operations Manager, Registrar
B.S., Central Michigan University	
M.B.A., Northwood University	
Jeffrey Muetzel	Associate Director, Technical and Infrastructure Services
B.S., Saginaw Valley State University	
Timothy Nash	Director, The Northwood University Center for the Advancement of Free Enterprise and Entrepreneurship
A.A., B.B.A., Northwood University	
M.A., Central Michigan University	
Ed.D., Wayne State University	
Jennifer Nelson	Financial Aid Counselor I
B.S., Saginaw Valley State University	
Shalon Nieman	Director, Academic Advising, Online
B.B.A., Northwood University	
James O'Dell	Assistant Director, Aftermarket Education
B.S., Bob Jones University	
Lindsey Orange	Executive Assistant, Graduate and Professional Studies
A.A.S., B.B.A., Davenport University	
Kelsi Osmond	Admissions Representative I
A.B.A., B.B.A, M.B.A, Cleary University	
Jerod Oster	Executive Assistant, Finance and Administration
A.A.S., B.S.B.A., Columbia Southern University	
Rhonda Owen	Data Base Manager
Thomas Pasterz	Supervisor, Physical Plant
B.B.A., Northwood University	
Ross Patrick	Assistant Coach, Men's Lacrosse
B.A., St. Andrews University	
John Paulus	Senior Programmer Analyst
B.S., Ferris State University	
Kendal Penney Petzold	Director, Conferences and Events
B.B.A., Northwood University	
Sara Penny	Assistant Athletic Trainer
B.S., Central Michigan University	
M.S., Illinois State University	
Penny Perlberg	Financial Aid Counselor I
A.A., B.B.A., Northwood University	
Meghan Pfeifer	Admissions Counselor II
B.B.A., Northwood University	

Administrative Staff continued

Krista Plummer	Senior Associate Athletic Director of Emerging Sports
B.S., Central Michigan University	
M.B.A., Tiffin University	
Steven Poole	Director, Career Services and Professional Development
B.S.E., M.A., Ed.D., Central Michigan University	
Morgan Radners	Head Coach, Women's Lacrosse
B.S., Ferris State University	
M.S., Bournemouth University	
Kimberly Randall	Associate Director, Systems and Programming
A.A., B.B.A., Northwood University	
Laura Rhodes	Director, Annual Giving
B.B.A., Northwood University	
Dale Robbins	Media Services Coordinator
A.A.S., Delta College	
John Rogers	Assistant Athletic Trainer
B.S., West Chester University of Pennsylvania	
Garrett Rohlk	Head Coach, Men's Track and Field
B.A., Buena Vista University	
M.A.S.C., M.B.A., Missouri Western State University	
Jamie Roller	Accountant
A.B., Great Lakes College	
B.B.A., Northwood University	
Ann Salva	Executive Assistant to the President and Secretary to the Board of Trustees
A.B.S. Delta College	
A.A., B.B.A., Northwood University	
Lawrence A. Salva	Director, Physical Plant
A.A., B.B.A., Northwood University	
Lawrence W. Salva	PC Technician
B.B.A., Northwood University	
Stephen Schwerin	System Administrator
B.S., Ferris State University	
Ryan Sebek	Broadcast and Competitions Coordinator
B.B.A., M.S., Northwood University	
David Shumaker	Head Coach, Volleyball
B.S., M.Div., Summit University of Pennsylvania	
Andy Sovis	Director, Counseling
M.S., University of Michigan Ann Arbor	
Rachel Spears	System Administrator
A.B.S., Delta College	
B.B.A., Northwood University	
Kimberlee Squanda	Administrative Assistant
A.G.S., Delta College	
Luke Starkey	Director, Athletic Communications and Marketing
B.S., Ohio University	
Jayla Strickland	New Student Coordinator
A.A., B.B.A., M.S., Northwood University	
Ryan Stumpf	Head Coach, Hockey DIII
Michael Sullivan	General Manager of Recruitment for Emerging Sports
B.A., M.A.T., Saginaw Valley State University	
Justin Sweeney	Assistant Coach, Football
B.A.A., M.A., Central Michigan University	
Keri Taylor	Executive Assistant to the Academic Vice President and Provost
B.B.A., Saginaw Valley State University	
Stacey Tetloff	Dean and Associate Provost, Academics and Enrollment
B.A., University of Michigan - Flint	
M.A., Chatham University	
Ph.D., Concordia University - Chicago	
Samantha Turgeon-Johnson	Campus Mail Coordinator
David Turner	Head Coach, Women's and Men's Golf
B.A., Central Michigan University	
Rachel Valdiserri	Senior Marketing and Communications Officer
B.B.A., M.B.A., Northwood University	

Administrative Staff continued

Jacob Voelker	Associate Head Coach, Women's Basketball
A.G.S. Mott Community College	
B.A., Saginaw Valley State University	
M.B.A., Northwood University	
Katherine Waligorski	Assistant Director, Residence Life
B.B.A., Northwood University	
Tammy Walsh	Assistant Director, Academic Advisor
A.G.S., Suomi College	
B.B.A., University of Michigan - Flint	
Jacob Walters	Manager, Academic Competitions and Events
B.B.A., Northwood University	
J.D., Michigan State University	
Kimberly Warner	Associate Director, Career Services and Professional Development
B.B.A., Northwood University	
Kyle Waters	Assistant Controller
Casey Williams	Help Desk Coordinator
B.A., Saginaw Valley State University	
Christopher Winter	Head Coach, Strength and Conditioning
Laura Wolfe	Administrative Assistant, Student Affairs
B.A., Bridgewater State University	
Qwamere Wright-Downing	Assistant Coach, Football
Davis Yost	Associate Director, Security and Networks
B.B.A., Northwood University	
Rochelle Zimmerman	Director, Library Services
A.A., Delta College	
B.A., Saginaw Valley State University	
M.L.I.S., Wayne State University	

Full-time Undergraduate Faculty

Andrew Anderson	Marketing
B.S., Ferris State University	
M.B.A., Davenport University	
D.B.A., Walden University	
Leeza Bacon	Health Care Management
A.B.S., Delta College	
B.B.A., Northwood University	
M.B.A., D.H.A., Central Michigan University	
Marc Beaty	Data Analytics; Computer Science
B.A., Metropolitan State University	
M.S., Saginaw Valley University	
Alisha Beckrow	Marketing
B.A., Western Michigan University	
M.A., Saginaw Valley State University	
Ph.D., Wayne State University	
Gabriel Benzecry	David E. Fry Endowed Professor - Economics
B.A., Wake Forest University	
M.A., Ph.D., Middle Tennessee State University	
Laurie Bonventre	Language Arts
B.A., M.A., University of Michigan	
Elgie Bright	Automotive Marketing and Management
B.A., Adrian College	
M.B.A., Northwood University	
Rebecca Britten	Operations and Supply Chain Management
A.G.S., Lansing Community College	
B.S., M.S., University of Michigan – Ann Arbor	
Todd Brundrett	Operations and Supply Chain Management
B.S., Central Michigan University	
M.A., Wayne State University	

Full-time Undergraduate Faculty continued

Michael Burkhardt	Insurance Risk Management
B.S., Ferris State University	
M.B.A., Olivet College	
Ph.D., Trident University	
Simeon Burns	Political Science; Philosophy
B.S., M.S., The University of Nebraska at Omaha	
Chelsea Butcher	Environmental Science
B.A., Alma College	
M.S., Central Michigan University	
Ph.D., Fordham University	
Brian Clark	Endowed Chair - Analytics
B.S., M.A., Central Michigan University	
Tracy Corbat	Finance
B.B.A., M.B.A., Northwood University	
Brett Decker	Endowed Chair – Leadership
Ed.D., University of Southern California	
M.A., University of Notre Dame	
M.A., College of Naval Command	
B.A., Albion College	
Dawn England	Finance
B.A., Kent State University	
M.B.A., Davenport University	
Steven Gorham	Accounting, Automotive
B.B.A., Saginaw Valley State University	
M.B.A., Northwood University	
Christin Greiman	Management
B.S., Hope College	
M.B.A., Northwood University	
D.B.A., Northcentral University	
Nicholas Hamilton	Management
B.B.A., Northwood University	
M.S., Central Michigan University	
Clifford Harris	Economics
B.A., Oakland University	
M.A., Walsh College	
Ann-Marie Horcher	Cybersecurity
M.S., University of Illinois	
Ph.D., Nova Southeastern	
Christine Iott	Mathematics
B.A., Marian University	
M.S., Indiana University - Purdue University Indianapolis	
Kevin Jajo	Accounting
B.B.A., Saginaw Valley State University	
M.Tax, Walsh College	
DeLois Leapheart	Law; Director of Mock Trial
B.A., University of Michigan	
J.D., The Ohio State University	
Mark Marciniak	Humanities and Social Sciences; Director of Competitive Speech
B.A., M.A., Ed.S., Central Michigan University	
Michael Makovi	Economics
B.A., Loyola University	
M.S., Ph.D., Texas Tech University	
David Marsh	Sport Management
B.B.A., Eastern Michigan University	
M.Ed., Springfield College	
Carrie McAllister	Language Arts
B.A., University of Michigan	
M.A., University of Michigan – Flint	
Dana McCann	Management Information Systems and Director, SAP Projects & Initiatives
B.B.A., Saginaw Valley State University	
M.B.A., Central Michigan University	

Full-time Undergraduate Faculty continued

Kevin McCormack	Operations and Supply Chain Management
A.A.S., B.S., Purdue University	
D.B.A., Nova Southeastern University	
M.B.A., University of Houston	
Dale Moler	History and Humanities
B.S., M.A., Central Michigan University	
Glenn Moots	Philosophy and Political Science; Director of Forum for Citizenship and Enterprise
B.A., University of Michigan	
M.S., Walsh College	
M.A., Ph.D., Louisiana State University	
David Oventhal	The Subaru of New England Professor of Automotive Strategy
D.B.A., Capella University	
Brian Rang	Alan W. Ott Endowed Chair – Finance & Community Banking
A.A., B.B.A., Northwood University	
M.B.A., Central Michigan University	
David Sanford	Management Information Systems
B.A., M.A., M.A., Saginaw Valley State University	
Karla Spaeth	Hospitality, Tourism & Event Management
A.A., B.B.A., M.B.A., Northwood University	
Deborah Steiner	Mathematics
B.S., Michigan State University	
M.S., Virginia Tech	
Alexandar Tokarev	Economics
M.S., UCTM, Bulgaria	
Ph.D., Southern Illinois University – Carbondale	
Stephanie VonFintel	Accounting
A.A., B.B.A., Northwood University	
M.S., Walsh College	
Scott Warner	Merchandising & Marketing
B.S.B.A., The Ohio State University	
M.A., Regent University	
M.B.A., Ashland University	
D.B.A., Baker College	
Nicholas Williams	Sport Management
B.S., M.A., Central Michigan University	
Jason Wolverton	Marketing Communications
B.A., M.B.A., Saginaw Valley State University	
Dirk Zinkweg	Management
B.S., University of Waterloo	
M.B.A., Northwood University	

Undergraduate, Adjunct Faculty

Shannon Adams	Management
A.A.S., Community College of the Air Force	
B.S., University of Maryland University College	
M.S., Lawrence Technological University	
Karley Adney	English
B.A., M.A., Saint Cloud State University	
Ph.D., Northern Illinois University	
Jason Ainsworth	Management
B.A., Spring Arbor University	
M.S.A., Central Michigan University	
Raheef Al Turkmani	Management
B.E., Damascus University	
M.B.A., M.S., West Virginia University	
Christine Alwood	Leadership
B.S., M.P.A., Ed.D., Central Michigan University	

Undergraduate, Adjunct Faculty continued

Kathryn Armstrong	Finance
B.B.A., Northwood University	
M.S., Walsh College	
M.S.A.D., Central Michigan University	
D.B.A., Argosy University	
Don Ball	Management
B.A., University of Detroit Mercy	
M.A., University of Phoenix	
D.M., Ph.D., Capella University	
Phillip Barnhart	English
B.A., Bennington College	
M.F.A., Naropa University	
M.Lib., University of Michigan – Flint	
Kimberly Bateman	Humanities
A.A., Oakland Community College	
B.B.A., Northwood University	
B.S., M.L.I.S., Wayne State University	
M.A., Tiffin University	
David Bazzetta	Management
B.B.A., M.S., Walsh College	
Joseph Blewett	Health Care Management
B.S., Ferris State University	
M.H.A., Walden University	
Larry Bohleber	Sociology
B.A., University of Southern Indiana	
M.A., University of Wisconsin - Milwaukee	
Helen Bojarczyk	Management
B.A., M.A., Central Michigan University	
Ph.D., Oakland University	
Karen Bork	Law
A.B., University of Michigan	
J.D., University of Michigan Law School	
Deborah Bourgois	Marketing Communications
B.A., Michigan State University	
M.S., Eastern Michigan University	
R. Brayton Bowen	Humanities
B.A., M.A., Brown University	
Brennan Brown	Philosophy
A.A., B.B.A., Northwood University	
M.B.A., Central Michigan University	
M.A., University of Detroit Mercy	
Kristen Brown	Economics
B.A., Michigan State University	
M.A., University of Detroit Mercy	
Kelly Bruning	Marketing
B.S., M.B.A., Lake Superior State University	
Ph.D., Capella University	
Adam Bruski	Law
J.D., Michigan State University	
Tammy Burke	Marketing Communications
B.F.A., Indiana University - Bloomington	
M.A., Webster University	
Phillip Burks	Humanities
M.L.I.A., Southern Methodist University	
Alla Bush	Finance
B.B.A., M.A., M.B.A., M.S.F., Walsh College	
Sean Caldwell	Marketing
B.S., Ferris State University	
M.A., Saginaw Valley State University	
David Caracci	Aftermarket Management
B.B.A., Northwood University	

Undergraduate, Adjunct Faculty continued

Kate Cardinali	Marketing
B.F.A., Saginaw Valley State University	
M.B.A., Northwood University	
Christine Cannon	Science
B.A., University of Michigan	
M.S., Green Mountain College	
Stacy Carr	Management Information Systems
B.B.A., Northwood University M.B.A.,	
M.B.A., Grand Canyon University	
D.C.S., Colorado Technical University	
Joshua Casto	Law
B.S., ITT Technical Institute	
M.S., Grand Valley State University	
J.D., Michigan State University	
Brian Clark	Mathematics
B.S., M.A., Central Michigan University	
Modou Ceesay	Finance
A.B.A., Oakland Community College	
B.Acc., M.B.A., Walsh College	
Janice Child	English
B.A., Salem State University	
M.A., M.L.I.R., Michigan State University	
Renee Colletti	Entrepreneurship
B.A., Michigan State University	
M.S., University of Phoenix	
Ph.D., Eastern Michigan University	
Thomas Collins	Marketing
B.A., M.A., Michigan State University	
Thomas Crossen	Marketing
B.B.A., Eastern Michigan University	
M.B.A., University of Toledo	
Alexander DePetro	Mathematics
B.A., University of Detroit Mercy	
M.B.A., Ph.D., Wayne State University	
Edward Derbin	Economics
B.A., M.A., M.B.A., University of Detroit Mercy	
Mathew Dromey	Marketing
B.A., University of South Florida	
M.B.A., Dallas Baptist University	
Isra El-Beshir	Sociology
B.B.A., Grand Valley State University	
M.A., Wayne State University	
Christopher Enge	Entrepreneurship
B.S., Millikin University	
M.B.A., University of Michigan - Flint	
D.J., Stanford University	
Danielle Erndt	English
A.A., St. Clair County Community College	
B.A., M.A., Central Michigan University	
Adam Everson	Management Information Systems
B.S., M.A., Central Michigan University	
Tonya Fountain	Management
B.A., Michigan State University	
M.B.A., D.M., University of Phoenix	
Timothy Gerstenberger	Leadership
B.A., Saginaw Valley State University	
M.S.A., Central Michigan University	
James Gibbons	Philosophy
B.S., Stephen F. Austin State University	
M.A., University of Texas at Arlington	

Undergraduate, Adjunct Faculty continued

Megan Gibson	Mathematics
B.S., Alma College	
M.A., M.Phil., Ph.D., Columbia University	
Janisse Green	Management
B.B.A., Davenport University	
M.S.A.D., Central Michigan University	
D.B.A., University of Phoenix	
Mark Gunn	Insurance Risk Management
B.B.A., M.M., Walsh College	
Yasmin-Marie Habib	Sociology
B.S., M.P.A., M.A., Wayne State University	
John Hardy	History
B.A., University of Texas at Austin	
M.S., Frostburg State University	
Bryan Harrison	Philosophy
A.A., Grand Rapids Community College	
B.S., Michigan State University	
M.B.A., Northwood University	
James Haupt	Accounting
B.S.B.A., Central Michigan University	
M.B.A., Northwood University	
Jason Hayes	Environmental Science
M.S., University of Calgary	
Bonnie Johnson-Hayward	Insurance Risk Management
B.S., M.S.A., Central Michigan University	
Felix Hernandez	Cybersecurity Management
B.S., NY Institute of Technology	
M.S., Syracuse University	
DIT., Capella University	
James Hop	Entrepreneurship
B.A., Hope College	
M.B.A., Northwood University	
Tania Hopgood	Management
B.S., M.S., North Carolina Agricultural and Technical State University	
Rilla Hynes	Leadership
B.A., University of Wisconsin - Milwaukee	
M.A., Norwich University	
D.M., University of Phoenix	
Aamir Ismail	Management
B.Com., University of Karachi	
M.B.A., Adamson University	
M.B.A., Western Michigan University	
Tosha Johnson	Management
B.S.B.A., Wayne State University	
M.B.A., Oakland University	
Kelly Johnston	Accounting
B.S.B.A., M.S., Wayne State University	
Michelle Judd	Marketing
B.A., Michigan State University	
M.B.A., Saginaw Valley State University	
Patrick Karbon	Automotive Marketing & Management
B.S., Kettering University	
M.S.A., Central Michigan University	
Ph.D., University of North Texas	
Randy Kazmierski	Operations and Supply Chain Management
Ph.D., Eastern Michigan University	
Michelle Kirchoff	Marketing
Brian Klott	Management
M.B.A., University of Detroit Mercy	

Undergraduate, Adjunct Faculty continued

Mark Ladd	Political Science
B.A., University of Michigan - Dearborn	
M.A., Oakland University	
Ph.D., Wayne State University	
M. Kaye Lafferty	Psychology
B.A., M.A., Ed.S., Western Kentucky University	
Ph.D., University of Louisville	
Daniel Laub	Economics
B.S., Northern Kentucky University	
M.S., University of Kentucky	
Michael Laverty	Management
B.A., University of Notre Dame	
M.B.A., Keller Graduate School of Management	
Ed.D., Nova Southeastern University	
Andre Lee	Health Care Management
B.S., Michigan State University	
M.P.A., Cornell University	
D.P.A., Nova University	
Mark Lee	Marketing
B.B.A., Eastern Michigan University	
M.M., Northwestern University	
Evangelia Lema	Sustainability
B.S., M.A., Maritime Studies, University of Piraeus	
Ph.D., Panteion University	
Jacqueline Lewis	Accounting
B.S.B.A., M.A.C.C., University of Louisville	
Travis Lower	Finance
B.S., M.B.A., University of Michigan	
Ernest Luttrell	Management
B.S., Southern Polytechnical State University	
M.S., Lawrence Technical University	
M.S., Eastern Michigan University	
M.S.Mfg.E., Wayne State University	
M.B.A., Georgia State University	
LaPrelle Mainor	Management
A.A., B.B.A., Northwood University	
M.B.A., Texas Wesleyan University	
M.B.A., Southern New Hampshire University	
Dale Matcheck	Economics
B.A., University of Michigan	
Ph.D., Cornell University	
Ricardo McCoy	Marketing
B.S., University of Phoenix	
M.B.A., Walsh College	
David McDonagh	Entrepreneurship
B.S., M.B.A., J.D., University of Toledo	
Janis McFaul	Marketing
B.B.A., Walsh College	
M.S., Central Michigan University	
Ph.D., Union Institute & University	
Thomas McGinnis	Management Information Systems
Carlos McMath	Law
B.A., Wayne State University	
J.D., Michigan State University	
Robert Metcalf	Insurance Risk Management
B.S.B.A., University of Louisville	
M.B.A., Webster University	
Oskar Milik	Sociology
B.A., University of California - San Diego	
M.A., Boston University	
Ph.D., University College Dublin	

Undergraduate, Adjunct Faculty continued

Christopher Monk	Marketing
B.S., Southern Illinois University - Carbondale	
M.A., Spring Arbor University	
Patricia Munson	Management
B.S., University of Detroit Mercy	
M.P.A., University of Michigan	
D.M., University of Phoenix	
Sean Murdoch	Mathematics
M.A.T., Bridgewater State University	
Paul Myers	Environmental Science
B.B.A., Western Michigan University	
M.S., Michigan State University	
M.B.A., Keller Graduate School of Management	
Robert Neely	Accounting
B.S., Southern Illinois University - Carbondale	
M.B.A., Saint Leo University	
Ph.D., Northcentral University	
Gregory Neuenfeldt	Automotive Aftermarket Management
B.B.A., M.B.A., Northwood University	
Carolyn Noble	Law
B.A., Beloit College	
M.S., Madonna University	
J.D., Wayne State University	
Lisa Novak	Accounting
B.B.A., University of Michigan	
M.S., Central Michigan University	
Peter Papantos	Management
B.S.B.A., Elmhurst College	
M.B.A., DePaul University	
Denver Pettigrew	Accounting
B.S., Everest Institute	
M.B.A., University of Phoenix	
Ph.D., Northcentral University	
Joseph Pichla	Finance
B.B.A., M.B.A., Saginaw Valley State University	
Steven Pillion	Political Science
A.A., Allan Hancock College	
B.S., California State University	
M.P.A., Troy State University	
Micki Pitcher	Accounting
A.A.S., Kellogg Community College	
B.S., M.B.A., Franklin University	
D.B.A., University of Phoenix	
David Potts	Law
B.A., Oakland University	
J.D., Wayne State University	
William Pringle	Philosophy
B.A., Saginaw Valley State University	
M.A., California State University	
Todd Price	Management Information Systems
B.A., Central Michigan University	
M.B.A., Ferris State University	
Jennifer Proffitt	Finance
B.B.A., Northwood University	
M.B.A., University of Michigan - Flint	
Mariana Prosic-Dvornic	Social Sciences
B.A., M.A., Ph.D., University of Belgrade	
Ann Puszykowski	Hospitality, Tourism & Event Management
A.A., Delta College	
B.A., Spring Arbor College	

Undergraduate, Adjunct Faculty continued

Linda Puzey	Management
B.S., University of Missouri	
M.S., Lawrence Technological University	
M.B.A., Oakland University	
Deborah Reid	Management
B.S., The State University New York at Stony Brook	
M.A., Hunter College	
Ph.D., Northcentral University	
Wesley Reynolds	History
B.A., Thomas A. Edison State College	
M.A., Central Michigan University	
Christopher Rohde	Management
B.B.A., M.B.A., Northwood University	
Robert Safley	Management
A.A.S., Community College of the Air Force	
B.S., Park University	
M.A., Webster University	
Tiffany Schuster	Accounting
B.S., University of Louisville	
M.B.A., Indiana Wesleyan University	
M.S., University of Phoenix	
John Sciarrino	Management
B.A., Wayne State University	
M.B.A., Keller Graduate School of Management	
Andrew Sellers	Sport Management
B.A., The Ohio State University	
M.A., Wayne State University	
Rebekah Sellers	Law
B.A., Central Michigan University	
J.D., Wayne State University	
Kevin Shark	Management
B.B.A., M.B.A., Northwood University	
Jamie Sinclair	History
B.A., M.A., Eastern Michigan University	
M.A., Central Michigan University	
Anthony Soto-McGrath	Sociology
B.S., University of Houston	
M.A., California State University - East Bay	
M.P.A., San Francisco State University	
Ph.D., University of North Texas	
Mark Sprague	Aftermarket Management
B.S., Northern Michigan University	
M.B.A., Baker College	
Ellen Strom	Speech
B.S., M.S., Grand Valley State University	
Joseph Stroud	Finance
B.S., University of Maryland University College	
M.B.A., Ph.D., Trident University	
Christopher Swanson	History
B.A. University of Detroit Mercy	
M.A., Wayne State University	
Samantha Sweeney	Speech
B.A.A., Central Michigan University	
Cynthia Swiantek	Leadership
B.B.A., Western Michigan University	
M.S.A., Central Michigan University	
Christina Szilagyi	History
B.A., University of Wyoming	
M.A., Central Michigan University	
Jason Szilagyi	History
B.A., M.A., Central Michigan University	

Undergraduate, Adjunct Faculty continued

Kemal Tekinel	Management Information System
B.S., The Near East University	
M.B.A., University of Saint Francis	
M.S., Grand Valley State University	
Anthony Terry	Sport Management
B.A., Madonna University	
M.A., Wayne State University	
M.B.A., Davenport University	
Elizabeth Thomas	Economics
B.S., Northern Michigan University	
E’Lois Thomas	Management
M.B.A., Walsh College	
Ph.D., Northcentral University	
Jason Thomas	Cybersecurity
Ph.D., Northcentral University	
B.S., M.B.A., University of Phoenix	
M.S., American Public University System	
Macalah Thomas	Cybersecurity
B.S., M.E., Texas A&M University College Stations	
Adam Vallus	Economics
B.S., University of Phoenix	
M.A., Michigan State University	
M.A.Econ., University of Detroit Mercy	
Kathleen Vaught	Political Science
B.A., Santa Clara University	
J.D., Southern Illinois University – Carbondale	
Jillian Verdun	Accounting
B.B.A., University of Louisiana - Monroe	
M.S.Acc., University of Phoenix	
Keith Wade	Finance
B.S., Oakland University	
M.B.A., University of Detroit Mercy	
D.B.A., Argosy University	
David Wagner	Automotive Marketing & Management
B.B.A., Ferris State University	
M.B.A., Tiffin University	
Gerald Weyand	Mathematics
B.S., United States Air Force Academy	
M.A., North Carolina State University	
M.S., University of Texas at Dallas	
John Wilson	Management
M.M., Northwestern University	
Stephen Witt	Insurance Risk Management
B.S., M.S., Ohio University	
Galen E. Winston	Economics
B.S.B.A., Wayne State University	
M.B.A., M.A., University of Detroit Mercy	
Shery Wojtara-Perry	International Business
M.B.A., Ph.D., Walden University	
James Wright	Accounting
M.B.A., Old Dominion University	
M.S., Liberty University	
Brian Wyllys	Mathematics; Management Information Systems
B.S., Lake Superior State University	
M.S., Central Michigan University	
Antonio Yancey	Management
A.A., B.B.A., Northwood University	
M.B.A., Lawrence Technological University	
D.M., University of Phoenix	
Adam Zainea	Management

Undergraduate, Adjunct Faculty continued

Brian Zepke	Automotive Marketing & Management
A.A., B.B.A., Northwood University	
M.S., Walsh College	
Michael Zienert	Economics
B.S., Central Michigan University	
M.A., University of Detroit Mercy	
M.S., Walsh College	

DeVos Graduate School, Administrative Staff

Matthew Bennett	Vice President, Strategic Alliances and Corporate Education
A.A., B.B.A., M.B.A., Northwood University	
D.B.A., Lawrence Technological University	
Lauren Bess	Director, Graduate Admissions
B.A., Saginaw Valley State University	
Stephanie Cramton	Graduate Programs Manager
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