



BACHELOR OF SCIENCE DEGREE (BS/MBA)

Student Name:

Student ID#:

Date:

Starting Year:	2023 Starting Freshman	Take In	Completed	Remaining	Notes:	Take In	Completed	Remaining
Major(s):	Data Analytics							
Minor:								

ENG 0900: Developmental Composition 3 cr. _____ MTH 0980: Developmental Mathematics 3 cr. _____

Credits earned for these classes DO NOT apply toward degree requirements

FALL - FIRST YEAR				FALL - THIRD YEAR					
ENG 1150	Composition I		3	CS 3140	Programming for Data Analysis (MIS 1500)		3		
FDN 1110	Student Success Seminar		1	FIN 3010	Financial Management (ACC 2415)		3		
MIS 1250	Foundations of Data Analytics I		3	MTH 3340	Statistics II (MTH 2310)		3		
MIS 1500	Business Productivity Software		3	PHL 3100	Ethics (60 crs. completed)		3		
MTH 1100	Finite Math <i>OR</i>			MTH 4500	Forecasting and Simulation Techniques for Business Enterprise (MTH 3150)		3		
MTH 1150	College Algebra		3						
OPS 1100	Introduction to Operations Management		3	MIS 4100	Machine Learning Techniques for Applied Predictive Modeling (MTH 3450)		3		
PHL 1100	Philosophy of American Life & Business		3						
SPRING				SPRING					
ECN 2210	Principles of Microeconomics		3	ECN 4010	Economics of Public Policy (ECN 2210, 60 credits)		3		
ENG 1200	Composition II (ENG 1150)		3	MGT 4250	Organizational Behavior (MGT 2300) (SEE *SIE BELOW)		3		
FDN 1300	Student Leadership Seminar		1	MGT 4800	Strategic Planning (MGT 2300, FIN 3010 OR 3210)		3		
MGT 2300	Principles of Management		3	MIS 3350	Adv. Database Mgt. & Visualizations for Analytics (MIS 3200)		3		
MIS 1350	Foundations of Data Analytics II (MIS 1250)		3	MIS 4200	Essentials of Big Data & Cloud Computing (MTH 3150)		3		
MTH 2310	Statistics I (MIS 1500, MTH 1100/MTH 1150)		3	MIS 4300	Data Analytics Capstone Project (MTH 3450, MIS 4100)		3		
OPS 1200	Business Process Management		3	SUMMER OR COMPRESSED COURSES					
FALL - SECOND YEAR				HIS	History [Western Civilization Recommended]		3		
ACC 2410	Fundamentals of Financial Accounting		3	NSC	Natural Science [Environmental Science Recommended]		3		
ECN 2220	Principles of Macroeconomics		3	MIS 3990	Internship (See * in notes section)		3		
FDN 2250	Blueprint for Success		1	Notes: A maximum of 19 credits are to be taken in a semester. Any courses taken in a compressed or summer session are at student's expense. In the DeVos MBA program, students develop business acumen, critical thinking, and personal effectiveness. To fully prepare for the study of business acumen concepts at the graduate level, Northwood recommends that students in the four-year Bachelor/Masters program take the following elective courses: MTH 3100 Calculus I, MTH 3340 Statistics II, MKT 3050 Consumer Behavior, MKT 4230 Marketing Research, ECN 3000 International Trade and FIN 4010 International Finance. In the DeVos MBA program, students develop personal effectiveness during class meetings as well as through work in groups. To accelerate the learning in this area, Northwood recommends that students in the four-year BS/MBA program take SOC 3500 Cultural Anthropology.					
MIS 2140	Programming I		3						
MKT 2080	Principles of Marketing		3						
MTH 3150	Data Science for Informed Decision Making (MIS 1500, MTH 2310)		3						
MTH 2870	Linear Algebra and Matrix Theory		3						
SPRING									
ACC 2415	Fundamentals of Managerial Accounting (ACC 2410)		3						
LAW 3000	Business Law I		3						
MIS 2100	Visual Analytics for Business Intelligence		3						
MIS 3200	Database Design & Implementation (MIS 1500)		3						
MTH 3450	Data Mining for Business Analytics (MTH 3150)		3						
SPC 2050	Speech		3						
LOWER LEVEL HOURS COMPLETED				0	UPPER LEVEL HOURS COMPLETED				0
LOWER LEVEL HOURS REMAINING				75	UPPER LEVEL HOURS REMAINING				45
TOTAL HOURS COMPLETED				0	TOTAL HOURS REMAINING				120

Taking courses off-sequence will delay timely degree completion. Students required to take developmental courses (ENG 0900 & MTH 0980) will automatically be off sequence. These courses are required, but do not count towards degree completion. It is the student's responsibility to consult with an Academic Advisor to ensure timely degree completion.

*A credit-bearing internship is required prior to starting the MBA program. All internships must be approved by the Chair of your specific program.

A minor consists of 18 credits (6 courses) in a defined discipline. Three of these courses (9 credits) must be at the 3000/4000 level and 6 credits must be taken at Northwood University. Some minors require specific coursework. Contact your Academic Advisor for programs that require specific coursework.

*SIE (Semester in Europe) Course Substitutions: Courses that are taken by students who participate in the Semester in Europe program. Students interested in this program should not take these courses prior to SIE. They will take these courses during Semester in Europe. See an Academic Advisor if you have questions.

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 your program of study. This curriculum guide reflects what is correct at the time of publication.