



# 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):	Computer Science							
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					
MIS 1110	Introduction to Management Information Systems		3	CS 4000	Algorithm Design and Analysis (CS 2500)		3		
ENG 1150	Composition I		3	CS 4100	Operating Systems (CS 3100)		3		
FDN 1110	Student Success Seminar		1	CYB 2150	Scripting (MIS 2140)		3		
MGT 2300	Principles of Management		3	FIN 3010	Financial Management (ACC 2415)		3		
MIS 1500	Business Productivity Software		3	MTH 3150	Data Science for Informed Decision Making (MIS1500, MTH 2310)		3		
MTH 1100	Finite Math OR			MIS 3400	Systems Analysis and Design		3		
MTH 1150	College Algebra		3	<b>SPRING</b>					
PHL 1100	Philosophy of American Life & Business		3	MIS 4500	Technology Capstone Project (All majors courses)		3		
<b>SPRING</b>				ECN 4010	Economics of Public Policy		3		
CS 1100	Computer Architecture		3	LAW 3000	Business Law I		3		
ECN 2210	Principles of Microeconomics		3	MGT 4250	Organizational Behavior (MGT 2300) (SEE *SIE BELOW)		3		
ENG 1200	Composition II (ENG 1150)		3	MGT 4800	Strategic Planning (MGT 2300, FIN 3010 OR 3210)		3		
CS 2500	Data Structures and Algorithms		3	PHL 3100	Ethics		3		
FDN 1300	Student Leadership Seminar		1	<b>SUMMER or COMPRESSED COURSES</b>					
MIS 1300	Information Technology Infrastructure		3	HIS	History [Western Civilization Recommended] (SEE *SIE BELOW)		3		
MTH 3100	Calculus I		3	NSC	Natural Science [Environmental Science Recommended]		3		
<b>FALL - SECOND YEAR</b>				MIS 3990	Internship (See *in notes section)		3		
ACC 2410	Fundamentals of Financial Accounting		3	<b>Notes:</b>					
CS 3100	Computer Organization & Assembly Language (CS 2500)		3	A maximum of 19 credits are to be taken in a semester.					
CYB 2300	Advanced Networking Systems (MIS 1300)		3	Any courses taken in a compressed or summer session are at student's expense.					
ECN 2220	Principles of Macroeconomics		3	* 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 BBA/MBA program take the following elective courses: <b>MTH 3340 Statistics II, MKT 3050 Consumer Behavior, MKT 4230 Marketing Research, ECN 3000 International Trade and FIN 4010 International Finance.</b>					
FDN 2250	Blueprint for Success		1	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 <b>SOC 3500 Cultural Anthropology.</b>					
MIS 2140	Programming I		3						
MTH 2870	Linear Algebra and Matric Theory		3						
<b>SPRING</b>									
ACC 2415	Fundamentals of Managerial Accounting (ACC 2410)		3						
MIS 2150	Programming II (MIS 2140)		3						
MIS 3200	Database Design & Implementation (MIS 1500)		3						
MTH 2310	Statistics I (MIS 1500, MTH 1100/MTH 1150)		3						
MKT 2080	Principles of Marketing		3						
SPC 2050	Speech		3						
<b>LOWER LEVEL HOURS COMPLETED</b>				<b>0</b>	<b>UPPER LEVEL HOURS COMPLETED</b>				<b>0</b>
<b>LOWER LEVEL HOURS REMAINING</b>				<b>75</b>	<b>UPPER LEVEL HOURS REMAINING</b>				<b>45</b>
<b>TOTAL HOURS COMPLETED</b>				<b>0</b>	<b>TOTAL HOURS REMAINING</b>				<b>120</b>

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.