ACADEMIC MAP TO B.S. IN MATHEMATICS - CONCENTRATION IN ACTUARIAL MATHEMATICS

2025-2026

NORTHWESTERN STATE UNIVERSITY OF LOUISIANA

www.nsula.edu/mathematics

START HERE

YEAR 1

SEMESTER 1	Milestones	Grade	Credits	Minimum Grade
MATH 1010 – Introduction to Mathematics ∞	⚑		1	
MATH 2100 – Analytical Geometry and Calculus I ∞	⚑		5	
ENGL 1010 – Composition and Rhetoric I			3	
FA 1040 – Exploring the Arts			3	
BUAD 1800 – Introduction to Information Technology	⚑		3	
UNIV 1000 – The University Experience			1	

Semester Credits _____

SEMESTER 2	Milestones	Grade	Credits	Minimum Grade
MATH 2110 – Analytical Geometry and Calculus II ∞	⚑		5	
ENGL 1020 – Composition and Rhetoric II			3	
BIOL 1010 – Biological Principles I			3	
BIOL 1011 – Biological Principles Laboratory I			1	
CIS 2000 – Spreadsheet Applications	⚑		3	

Semester Credits _____

Total Credits _____

YEAR 2

SEMESTER 1	Milestones	Grade	Credits	Minimum Grade
MATH 2080 – Fundamentals of Proof ∞	⚑		3	
MATH 3130 – Analytical Geometry and Calculus III ∞	⚑		3	
ACCT 2000 – Financial Accounting	⚑		3	
CHEM 1030 – General Chemistry I			3	
CHEM 1031 – General Chemistry I Laboratory			1	
Academic Elective			3	

Semester Credits _____

Total Credits _____

SEMESTER 2	Milestones	Grade	Credits	Minimum Grade
MATH 3090 – Linear Algebra I ∞	⚑		4	
COMM 1010 – Oral Communication			3	
ACCT 2010 – Managerial Accounting			3	
PHYS 2510 – General Analytical Physics I			3	
PHYS 2511 – General Analytical Physics I Laboratory			1	

Semester Credits _____

Total Credits _____

YEAR 3

SEMESTER 1	Milestones	Grade	Credits	Minimum Grade
MATH 3100 – Modern Algebra I ∞	⚑		3	
MATH 3150 – Theory of Probability ∞			3	
ENGL 2110 – Introduction to Literature			3	
ECON 2000 – Principles of Macroeconomics	⚑		3	
CSC 1060 – Program Design I	⚑		3	

Semester Credits _____

Total Credits _____

SEMESTER 2	Milestones	Grade	Credits	Minimum Grade
MATH 4940 – Introduction to Mathematical Research ∞	⚑		2	
MATH 3270 – Financial Mathematics ∞	⚑		3	
Science Elective ∞			3	
Science Elective Lab ∞			1	
ECON 2010 – Principles of Microeconomics			3	
CSC 2060 – Program Design II ∞			3	

Semester Credits _____

Total Credits _____

YEAR 4

SEMESTER 1	Milestones	Grade	Credits	Minimum Grade
MATH 4950 – Mathematics – A Capstone Course ∞	⚑		4	
STAT 4270 – Mathematical Statistics I ∞	⚑		3	
MATH 4900 – Field Experience in Mathematics ∞	⚑		3	
MATH (3000 – 4000) ∞			3	
FIN 3090 – Business Finance	⚑		3	

Semester Credits _____

Total Credits _____

SEMESTER 2	Milestones	Grade	Credits	Minimum Grade
STAT 4280 – Regression Analysis ∞			3	
EPSY 2020; PSYC 1010, 2050; or SOC 1010			3	
FIN 4200 – Financial Policies and Practices			3	
HIST 1010, 1020, 2010 or 2020			3	
Academic Elective			1	

Semester Credits _____

Total Credits 120

Must maintain a 2.0 GPA within Major and Concentration to graduate.

YOU'VE FINISHED!

- University Core Requirement
- Mathematics Major Requirement
- MILESTONE
- Concentration Requirement
- Mathematics Major Elective
- Academic Elective

GRADUATION REQUIREMENTS

Major Requirements =45 | University Core/Support = 75 | Total Credits = 120

Courses taken outside of a student's degree program are not eligible for Title IV federal financial aid (grants and loans). However, elective courses are eligible for Title IV aid if they are required and included in the student's program of study. Once a student has completed all required elective credits, any additional elective courses taken beyond the program's requirements will not be eligible for Title IV funding.