# 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