



ACADEMIC MAP TO B.S. IN MATHEMATICS SPORT ANALYTICS CONCENTRATION

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	
	BIOL 1010 – Biological Principles I	📖			3	
	BIOL 1011 – Biological Principles Laboratory I	📖			1	
	FA 1040 – Exploring the Arts	📖			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	
PHYS 2510 – General Analytical Physics I	📖			3	
PHYS 2511 – General Analytical Physics I Laboratory	📖			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	
	CSC 1060 – Program Design I	∞	🚩		3	
	ENGL 2110 – Introduction to Literature	📖			3	
	Science Elective	∞			3	
	Science Elective Lab	∞			1	

Semester Credits _____

Total Credits _____

SEMESTER 2		Milestones	Grade	Credits	Minimum Grade
MATH 3090 – Linear Algebra I	∞	🚩		4	
MATH 2050 – Mathematics of Statistics				3	
CSC 2060 – Program Design II	∞			3	
CIS 2980 – Database Systems		🚩		3	
ENGL 3230 – Technical Composition		🚩		3	

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	
	MATH 3300 – Sport Data Analytics I	∞	🚩		3	
	ECON 2000 – Principles of Macroeconomics	📖	🚩		3	
	CSC 2100 – Data Structures		🚩		3	

Semester Credits _____

Total Credits _____

SEMESTER 2		Milestones	Grade	Credits	Minimum Grade
MATH 4940 – Introduction to Mathematical Research	∞	🚩		2	
MATH 3310 – Sport Data Analytics II	∞			3	
CSC 2020 – Systems Programming				1	
BUAD 2120 – Basic Business Statistics		🚩		3	
ECON 2010 – Principles of Macroeconomics				3	
HP 4400 – Contemporary Leadership in Sport				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	
	CIS 4070 – Data Analytics				3	
	COMM 1010 – Oral Communication	📖			3	

Semester Credits _____

Total Credits _____

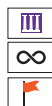
SEMESTER 2		Milestones	Grade	Credits	Minimum Grade
STAT 4280 – Regression Analysis	∞			3	
CHEM 1030 – General Chemistry I	📖			3	
CHEM 1031 – General Chemistry I Laboratory	📖			1	
HIST 1010, 1020, 2010, or 2020	📖			3	
EPSY 2020; PSYC 1010, 2050; or SOC 1010	📖			3	

Semester Credits _____

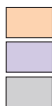
Total Credits **120**

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