



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

2026-2027



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	∞ III	🚩		5	
	ENGL 1010 – Composition and Rhetoric I	III			3	
	CSC 1060 – Program Design I	∞	🚩		3	
	CSC 1061 – Program Design I Lab	∞	🚩		1	
	FA 1040 – Exploring the Arts	III			3	
	UNIV 1000 – The University Experience	III			1	

Semester Credits _____

SEMESTER 2		Milestones	Grade	Credits	Minimum Grade
MATH 2110 – Analytical Geometry and Calculus II	∞ III	🚩		5	
ENGL 1020 – Composition and Rhetoric II	III			3	
CSC 2060 – Program Design II	∞			3	
Academic Elective				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	
	ENGL 2110 – Introduction to Literature	III			3	
	CSC 2100 – Data Structures	∞	🚩		3	
COMM 1010 – Oral Communication	III			3		

Semester Credits _____

Total Credits _____

SEMESTER 2		Milestones	Grade	Credits	Minimum Grade
MATH 3090 – Linear Algebra I	∞	🚩		4	
MATH 2050 – Mathematics of Statistics				3	
PHYS 2510 – General Analytical Physics I	III			3	
PHYS 2511 – General Analytical Physics I Laboratory	III			1	
CIS 2980 – Database Systems		🚩		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	III	🚩		3	
ENGL 3230 – Technical Composition		🚩		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	
Science Elective				3	
Science Elective Lab				1	
ECON 2010 – Principles of Microeconomics				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	
	BIOL 3260 – Biostatistics				3	
BIOL 3261 – Biostatistics Lab				1		

Semester Credits _____

Total Credits _____

SEMESTER 2		Milestones	Grade	Credits	Minimum Grade
STAT 4280 – Regression Analysis	∞			3	
HP 4030 – Statistics in Human Performance	III			3	
STEM Elective				3	
HIST 1010, 1020, 2010, or 2020	III			3	
EPSY 2020; PSYC 1010, 2050; or SOC 1010	III			3	

Semester Credits _____

Total Credits **120**

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

YOU'VE FINISHED!

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

START HERE

YEAR 1	SEMESTER 1	Milestones	Grade	Credits	Minimum Grade

Semester Credits _____

SEMESTER 2	Milestones	Grade	Credits	Minimum Grade

Semester Credits _____

Total Credits _____

YEAR 2	SEMESTER 1	Milestones	Grade	Credits	Minimum Grade

Semester Credits _____

Total Credits _____

SEMESTER 2	Milestones	Grade	Credits	Minimum Grade

Semester Credits _____

Total Credits _____

YEAR 3	SEMESTER 1	Milestones	Grade	Credits	Minimum Grade

Semester Credits _____

Total Credits _____

SEMESTER 2	Milestones	Grade	Credits	Minimum Grade

Semester Credits _____

Total Credits _____

YEAR 4	SEMESTER 1	Milestones	Grade	Credits	Minimum Grade

Semester Credits _____

Total Credits _____

SEMESTER 2	Milestones	Grade	Credits	Minimum Grade

Semester Credits _____

Total Credits _____

YOU'VE FINISHED!



MILESTONE



Major Electives



Academic Electives



GRADUATION REQUIREMENTS

Major Requirements = _____ | University Core/Support = _____ | Total Credits = _____

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