

ACADEMIC MAP TO B.S. IN MATHEMATICS HEALTHCARE INFORMATICS CONCENTRATION



www.nsula.edu/mathematics

START HERE

YEAR 1	SEMESTER 1		Milestones	Grade	Credits	Minimum Grade
	MATH 1010 — Introduction to Mathematics	∞	<u> </u>		1	
	MATH 2100 — Analytical Geometry and Calculus I	∞ Ш	<u> </u>		5	
	ENGL 1010 — Composition and Rhetoric I	Ш			3	
	CIS 1015 — Introduction to Computer Information Sys	tems			3	
	FA 1040 — Exploring the Arts	Ш			3	
	UNIV 1000 — The University Experience	Ш			1	

2025-2026

Semester Credits _____

SEMESTER 2		Milestones	Grade	Credits	Minimum Grade
MATH 2110 — Analytical Geometry and Calculus II	8			5	
ENGL 1020 — Composition and Rhetoric II	Ш			3	
BIOL 1010 — Biological Principles I	Ш			3	
BIOL 1011 — Biological Principles Laboratory I	Ш			1	
CIS 1030 — Introduction to Software Development				3	

Semester Credits _____

Total Credits _____

	SEMESTER 1		Milestones	Grade	Credits	Minimum Grade
7	MATH 2080 — Fundamentals of Proof	∞			3	
~	MATH 3130 — Analytical Geometry and Calculus III	∞			3	
	CSC 1060 — Program Design I	∞			3	
>	CIS 2980 — Database Systems				3	
	ENGL 2110 — Introduction to Literature	Ш			3	

Semester Credits _____

Total Credits

SEMESTER 2		Milestones	Grade	Credits	Minimum Grade
MATH 3090 — Linear Algebra I	∞			4	
MATH 3160 — Ordinary Differential Equations				3	
CSC 2060 — Program Design II	∞			3	
CIS 4000 — Advanced Database Systems				3	
COMM 1010 — Oral Communication	Ш			3	

Semester Credits _____

Total Credits

	SEMESTER 1	Milestones	Grade	Credits	Minimum Grade
	MATH 3100 – Modern Algebra I			3	
8	MATH 3150 — Theory of Probability			3	
⋖	CIS 3300 — Object Oriented Programming			3	
뽓	CHEM 1030 – General Chemistry I			3	
	CHEM 1031 – General Chemistry I Laboratory			1	
	ANTH 1510, 2020; ECON 2000; GEOG 1010, 1020; or PSCI 2010 1			3	

Semester Credits ____

Total Credits _____

SEMESTER 2		Milestones	Grade	Credits	Minimum Grade
MATH 4940 — Introduction to Mathematical Research	∞			2	
MATH (3000-4000)	∞			3	
CIS 2100 — Software Development				3	
PHYS 2510 — General Analytical Physics I	Ш			3	
PHYS 2511 — General Analytical Physics I Laboratory	Ш			1	
Academic Elective				1	

Semester Credits ____

Total Credits _____

	SEMESTER 1	Milestones	Grade	Credits	Minimum Grade
4	MATH 4950 — Mathematics — A Capstone Course			4	
~	STAT 4270 — Mathematical Statistics I	<u> </u>		3	
M	MATH 4900 — Field Experience in Mathematics			3	
>	CIS 3900 — Systems Analysis and Development			3	
	CIS 4020 — Data Structures			3	

Semester Credits _____

Total Credits _____

SEMESTER 2		Milestones	Grade	Credits	Minimum Grade
MATH (3000-4000)	∞			3	
Science Elective	∞			3	
Science Elective Lab	∞			1	
HIST 1010, 1020, 2010, or 2020	Ш			3	
EPSY 2020; PSYC 1010, 2050; or SOC 1010	Ш			3	

Semester Credits _____

Total Credits _____120

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

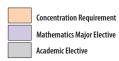
YOU'VE FINISHED!



University Core Requirement

Mathematics Major Requirement

MILESTONE





GRADUATION REQUIREMENTS

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