

## www.nsula.edu/mathematics

## **START HERE**

	SEMESTER 1		Milestones	Grade	Credits	Minimum Grade
	MATH 1010 — Introduction to Mathematics	$\infty$	<u> </u>		1	
4	MATH 2100 — Analytical Geometry and Calculus I	∞ ∭	<u> </u>		5	
A	CSC 1060 — Program Design I	∞			3	
뿟	ENGL 1010 — Composition and Rhetoric I	Ш			3	
	FA 1040 — Exploring the Arts	Ш			3	
	UNIV 1000 — The University Experience	Ш			1	

Semester Credits	
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SEMESTER 2		Milestones	Grade	Credits	Minimum Grade
MATH 2110 — Analytical Geometry and Calculus II	∞ Ш			5	
CSC 2060 — Program Design II	∞			3	
ENGL 1020 — Composition and Rhetoric II	Ш			3	
PHYS 2510 — General Analytical Physics I	Ш			3	
PHYS 2511 — General Analytical Physics I Laboratory	Ш			1	

Semester Credits \_\_\_\_ Total Credits \_\_\_\_

	SEMESTER 1		Milestones	Grade	Credits	Minimum Grade
	MATH 2080 — Fundamentals of Proof	$\infty$			3	
<b>R</b> 2	MATH 3130 — Analytical Geometry and Calculus III	$\infty$			3	
4	CSC 2100 — Data Structures and Algorithms				3	
YE	CSC 4001 — Programming Prep Lab				1	
	PHYS 2520 -General Analytical Physics II	$\infty$			3	
	PHYS 2521 — General Analytical Physics II Laboratory	$\infty$			1	

Semester Credits	
Total Credits	

SEMESTER 2		Milestones	Grade	Credits	Minimum Grade
MATH 3090 — Linear Algebra I	$\infty$			4	
CSC 2020 – System Programming				1	
CIS 3970 — Secured Programming Principles				3	
CHEM 1030 — General Chemistry I	Ш			3	
CHEM 1031 — General Chemistry I Laboratory	Щ			1	
COMM 1010 – Oral Communication				3	

Semester Credits \_\_\_\_\_ Total Credits \_\_\_\_\_

	SEMESTER 1		Milestones	Grade	Credits	Minimum Grade
	MATH 3100 — Modern Algebra I	$\infty$			3	
8	MATH 3030 — Math Simulation	∞			3	
A	MATH 3150 — Theory of Probability	∞	<b>N</b>		3	
뽓	CSC 4001 — Programming Prep Lab		<b>N</b>		1	
	BIOL 1010 — Biological Principles I	Ш			3	
	BIOL 1011 — Biological Principles Laboratory I	Ш			1	

Semester Credits	
Total Credits	

S	SEMESTER 2	Milestones	Grade	Credits	Grade
Ν	MATH 4940 — Introduction to Mathematical Research			2	
C	SC 3030 — Computer Theory			3	
C	SC 3120 — Computer Graphics			3	
Е	ET 1330 — Digital Electronics I			3	
Е	ET 1331 — Digital Electronics I Laboratory			1	
Е	NGL 2110 – Introduction to Literature			3	

Semester Credits \_\_\_\_\_ Total Credits \_\_\_\_\_

	SEMESTER 1		Milestones	Grade	Credits	Minimum Grade
4	MATH 4950 — Mathematics — A Capstone Course	$\infty$			4	
~	MATH 4060 — Number Theory	∞			3	
	CSC 4010 — Artificial Intelligence				3	
>	CSC 3040, 4900; CIS 2980; EET 3310; or PHYS 3510				3	
	HIST 1010, 1020, 2010, or 2020	Ш			3	

Semester Credits \_\_\_\_ Total Credits \_\_\_\_

SEMESTER 2	Milestones	Grade	Credits	Minimum Grade
MATH 3910 – Cryptology			3	
MATH 4100 – Discrete Math			3	
CSC 4040 — Advanced Simulations			3	
EPSY 2020; PSYC 1010, 2050; or SOC 1010			3	
ANTH 1510, 2020; ECON 2000; GEOG 1010, 1020; or PSCI 2010			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** 

Concentration Requirement
Mathematics Major Elective
Academic Elective



## **GRADUATION REQUIREMENTS**

Major Requirements =  $45 \mid University Core/Support = 75 \mid Total Credits = 120$