



# ACADEMIC MAP - BIOCHEMISTRY

2026-2027



NORTHWESTERN STATE  
UNIVERSITY OF LOUISIANA

Department of Physical Science  
[nsula.edu/physical-science](http://nsula.edu/physical-science)



**START HERE**

YEAR 1	SEMESTER 1					Electives	Credits
	Milestones	Grade	Credits	Min. Grade			
			3	C			
			1	C			
			6				
			3				
		1					

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

SEMESTER 2	Milestones	Grade	Credits	Min. Grade	Electives	Credits						
									3	C		
									1	C		
									5	C		
									3	C		
									1	C		
		3										

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

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

YEAR 2	SEMESTER 1					Electives	Credits
	Milestones	Grade	Credits	Min. Grade			
			3	C			
			1	C			
			3	C			
			1	C			
		5	C				

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

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

SEMESTER 2	Milestones	Grade	Credits	Min. Grade	Electives	Credits						
									3	C		
									1	C		
									3	C		
									1	C		
									3			
		3										

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

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

YEAR 3	SEMESTER 1					Electives	Credits
	Milestones	Grade	Credits	Min. Grade			
			3	C			
			1	C			
			3	C			
			1	C			
		3	C				
		1	C				
		3	C				
		1	C				

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

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

SEMESTER 2	Milestones	Grade	Credits	Min. Grade	Electives	Credits						
									3	C		
									3	C		
									3	C		
									3			
									3			

- Apply to graduate school(s).  
- Verify requirements for schools of your choice.

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

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

YEAR 4	SEMESTER 1					Electives	Credits
	Milestones	Grade	Credits	Min. Grade			
			3	C			
			3	C			
			3	C			
			1	C			
		3					
		3					

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

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

SEMESTER 2	Milestones	Grade	Credits	Min. Grade	Electives	Credits						
									3	C		40
									3	C		4
									1	C		11
									3			
									5			

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

Total Credits 120

**YOU'VE FINISHED!**



## GRADUATION REQUIREMENTS

Semester = 120, Physical Sciences = 30, Biochemistry Concentration = 40, Science Electives = 4, Academic Electives = 11

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.

- Milestone**  
Should be taken in order to stay on track for graduation and professional school readiness.
- Biochemistry elective**  
This is for biochemistry concentration, for other concentration or majors, consult with your advisor for any suggested changes.
- Science elective**



List of Science Electives	Number of credits
BIOL 2090 – Microbiology 2	3
BIOL 2091 – Microbiology 2 Laboratory	1
BIOL 3060 - Biostatistics	3
BIOL 3061 – Biostatistics Laboratory	1
BIOL 3170 – Histology	3
BIOL 3171 – Histology Laboratory	1
BIOL 3310 – Anatomy and Physiology 1	3
BIOL 3311 – Anatomy and Physiology Laboratory 1	1
BIOL 3320 – Anatomy and Physiology 2	3
BIOL 3321 – Anatomy and Physiology Laboratory 2	1
BIOL 4060 – Embryology	3
BIOL 4061 – Embryology Laboratory	1
BIOL 4070 – Cardiovascular Physiology	3
BIOL 4190 – Immunology	3
BIOL 4270 – Virology	3
BIOL 4320 – Cancer Biology	3
BIOL 4930 – Microbial Physiology	3
CHEM 2120 – Instrumental Analysis	3
CHEM 2121 – Instrumental Analysis Laboratory	1
CHEM 3100 – Medicinal Chemistry	3
CHEM 3220 – Physical Chemistry 2	3
CHEM 3900 – Forensic Toxicology	3
CHEM 4950 – Research Problems in Chemistry	1
MATH 1100 – Precalculus Mathematics	6
MATH 2050 – Math of Statistics	3
MATH 3130 – Analytical Geometry and Calculus 3	3

- **Science electives:** Students may select any course from Physics, Chemistry, Mathematics, or Biology.
- **Academic Electives:** Students are limited to a maximum of 6 hours of 1000-level courses.

# ACADEMIC MAP TO:



**START HERE**

<b>YEAR 1</b>	SEMESTER 1	Milestones	Grade	Credits	Minimum Grade

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

SEMESTER 2	Milestones	Grade	Credits	Minimum Grade

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

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

<b>YEAR 2</b>	SEMESTER 1	Milestones	Grade	Credits	Minimum Grade

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

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

SEMESTER 2	Milestones	Grade	Credits	Minimum Grade

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

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

<b>YEAR 3</b>	SEMESTER 1	Milestones	Grade	Credits	Minimum Grade

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

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

SEMESTER 2	Milestones	Grade	Credits	Minimum Grade

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

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

<b>YEAR 4</b>	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 = \_\_\_\_\_

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.