

Biology – Molecular Biology Concentration

2025-2026 Undergraduate Catalog

Semester 1 - Fall				
¹ Honors General Biology I	Credits	Major	Other	GEP
BIOL 149 or 159 – General Biology	4	X		C
CHEM 201 – General Chemistry I	4	X		C
ENGL 101 – First-Year Composition	3	X		CS1
MATH 220 or MATH 236	3	X		
ORIE 101 – Intro to Higher Education	1		X	
Semester Total	15			

Semester 2 - Spring				
	Credits	Major	Other	GEP
BIOL 160 – Zoology	4	X		
CHEM 202 – General Chemistry II	4	X		
MATH 109 – Probability & Statistics	3	X		CS3
IDIS 150- First Year FSU Colloquia	3			E
General Elective	3		X	
Semester Total	17			

Semester 3 - Fall				
	Credits	Major	Other	GEP
BIOL 161 – Botany	4	X		
BIOL 310 - Cell Biology	4	X		
CHEM 311 – Organic Chemistry I	3	X		
CHEM 312 – Organic Chemistry Lab I	1	X		
GEP Fine and Preforming Arts	3			A
Semester Total	15			

Semester 4 - Spring				
	Credits	Major	Other	GEP
BIOL 350 – Genetics	3	X		
BIOL 401 – Genetics Laboratory	1	X		
CHEM 321 – Organic Chemistry II	3	X		
CHEM 322 – Organic Chemistry Lab II	1	X		
Molecular Biology Elective (1 of 2)	4	X		
GEP Humanities	3			B
Semester Total	15			

Semester 5 - Fall				
*Fall Only	Credits	Major	Other	GEP
PHYS 215* or PHYS 261*	4	X		E
Technology Fluency Course	3		TF	
GEP Humanities	3			B
GEP Social Science	3			D
General Elective	3		X	
Semester Total	16			

Semester 6 - Spring				
**Spring Only ¹ Spring Even Years Only	Credits	Major	Other	GEP
BIOL 435** - Molecular Biology	4	X		
BIOL 438 ¹ – Biotechnology Lab	3	X		
ENGL 3xx – Advanced Writing	3			CS2
PHYS 216** or PHYS 262**	4	X		
Semester Total	14			

Semester 7 - Fall				
	Credits	Major	Other	GEP
BIOL 304 - Microbiology	4	X		
BIOL 437 – Molecular Biology Seminar	1	X		
CHEM 455 - Biochemistry I	3	X		
Molecular Biology Elective (2 of 2)	3	X		
General Elective	2		X	
Semester Total	13			

Semester 8 - Spring				
**Spring Only	Credits	Major	Other	GEP
CEHM 456** - Biochemistry Lab	3	X		
CHEM 457** - Biochemistry II	3	X		
GEP Identity and Difference	3			F
GEP Social Science	3			D
General Elective	3		X	
Semester Total	15			