

Chemistry – Biochemistry Concentration

2024-2025 Undergraduate Catalog

Semester 1 - Fall				
	Credits	Major	Other	GEP
CHEM 201 – General Chemistry I	4	X		C
BIOL 149/159 – General Biology	4			C
ENGL 101 – First-Year Composition	3			CS1
MATH 236 – Calculus I	4	X		CS3
ORIE 101 – Intro. To Higher Education	1		X	
CHEM 191 – Intro. Seminar in Chem.	1	X		
Semester Total	17			

Semester 2 - Spring				
	Credits	Major	Other	GEP
CHEM 202 – General Chemistry II	4	X		
MATH 237 – Calculus II	4	X		
GEP Fine & Performing Arts	3			A
GEP Humanities	3			B
GEP Social Science	3			D
Semester Total	17			

Semester 3 - Fall				
*Fall Only	Credits	Major	Other	GEP
BIOL 304 – Microbiology	4	X		
CHEM 311 – Organic Chemistry I	3	X		
CHEM 312 – Organic Chemistry Lab I	1	X		
CHEM 304* – Computational Tech	2	TF		
IDIS 150 – First-Year FSU Colloquia	3			E
Semester Total	13			

Semester 4 - Spring				
**Spring Only	Credits	Major	Other	GEP
BIOL 350 - Genetics	3	X		
CHEM 321 – Organic Chemistry II	3	X		
CHEM 322 – Organic Chemistry Lab II	1	X		
GEP Social Science	3			D
GEP Humanities	3			B
Semester Total	13			

Semester 5 - Fall				
*Fall Only	Credits	Major	Other	GEP
BIOL 310* – Cell Biology	4	X		
CHEM 320* - Quantitative Analytical	4	X		
PHYS 215* or PHYS 261*	4	X		E
GEP Identity & Difference	3			F
Semester Total	15			

Semester 6 - Spring				
**Spring Only	Credits	Major	Other	GEP
BIOL 435** - Molecular Biology	4	X		
ENGL 3xx – Advanced Writing	3			CS2
PHYS 216** or PHYS 262**	4	X		
CHEM 305** – Research Methods	1	X		
CHEM 493 – Adv. Chem. Research	2	X		
General Elective	3		X	
Semester Total	17			

Semester 7 - Fall				
*Fall Only	Credits	Major	Other	GEP
CHEM 441* - Physical Chemistry I	3	X		
CHEM 445* - Physical Chemistry Lab I	1	X		
CHEM 455* - Biochemistry I	3	X		
CHEM 491	1	X		
General Elective	3		X	
General Elective	3		X	
Semester Total	14			

Semester 8 - Spring				
**Spring Only	Credits	Major	Other	GEP
CHEM 456** - Biochemistry Lab	3	X		
CHEM 457** - Biochemistry II	3	X		
CHEM 492 – Capstone	1	X		
General Elective	3		X	
General Elective	4		X	
Semester Total	14			