

Chemistry – Professional 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
Semester Total	14			

Semester 3 - Fall				
*Fall Only	Credits	Major	Other	GEP
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
MATH 238 – Calculus III	4	X		
GEP Social Science	3			D
Semester Total	16			

Semester 4 - Spring				
**Spring Only	Credits	Major	Other	GEP
CHEM 321 – Organic Chemistry II	3	X		
CHEM 322 – Organic Chemistry Lab II	1	X		
GEP Social Science	3			D
GEP Humanities	3			B
GEP Identity & Difference	3			F
General Elective	3		X	
Semester Total	16			

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
ENGL 3xx – Advanced Writing	3			CS2
Semester Total	15			

Semester 6 - Spring				
**Spring Only	Credits	Major	Other	GEP
¹ Spring Odd Years Only				
CHEM 421** - Instrumental Analysis	4	X		
PHYS 216** or PHYS 262**	4	X		
CHEM 411 ¹ – Inorganic Chemistry	4	X		
CHEM 305** – Research Methods	1	X		
CHEM 493 – Adv. Chem. Research	2	X		
Semester Total	15			

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		
Chemistry Elective	3	X		
General Elective	3		X	
Semester Total	15			

Semester 8 - Spring				
**Spring Only	Credits	Major	Other	GEP
CHEM 442** - Physical Chemistry II	3	X		
CHEM 446** - Physical Chemistry Lab II	1	X		
CHEM 492 – Capstone	1	X		
Chemistry Elective	3	X		
General Elective	4		X	
Semester Total	12			