

## Chemistry – Pre-Pharmacy Concentration

2022-2023 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	
<b>Semester Total</b>	<b>16</b>			

Semester 2 - Spring				
	Credits	Major	Other	GEP
BIOL 304 – Microbiology	4	X		
CHEM 202 – General Chemistry II	4	X		
MATH 237 – Calculus II	4	X		
ECON 200 or 201 – Economics	3			D
<b>Semester Total</b>	<b>15</b>			

Semester 3 - Fall				
*Fall Only	Credits	Major	Other	GEP
BIOL 310* – Cell Biology	4	X		
BIOL 321* – Anatomy & Physiology I	4	X		
CHEM 311 – Organic Chemistry I	3	X		
CHEM 312 – Organic Chemistry Lab I	1	X		
IDIS 150 – FSU Colloquium	3			E
<b>Semester Total</b>	<b>15</b>			

Semester 4 - Spring				
**Spring Only	Credits	Major	Other	GEP
BIOL 322** – Anatomy & Physiology II	4	X		
CHEM 321 – Organic Chemistry II	3	X		
CHEM 322 – Organic Chemistry Lab II	1	X		
GEP Fine & Performing Arts	3			A
GEP Humanities	3			B
GEP Social Science	3			D
<b>Semester Total</b>	<b>17</b>			

Semester 5 - Fall				
*Fall Only	Credits	Major	Other	GEP
CHEM 320* - Quantitative Analytical	4	X		
CHEM 455* - Biochemistry I	3	X		
MATH 109/110 or 280* Statistics	3	X		
PHYS 215* or PHYS 261*	4	X		E
GEP Identity and Difference	3	X		F
<b>Semester Total</b>	<b>17</b>			

Semester 6 - Spring				
**Spring Only	Credits	Major	Other	GEP
CHEM 305** – Research Methods	3	X		
CMST 102/112 or 122** Commun.	3	X		
ENGL 338/339 – Advanced Writing	3			CS2
PHYS 216** or PHYS 262**	4	X		
GEP Humanities	3			B
<b>Semester Total</b>	<b>16</b>			

Semester 7 - Fall				
*Fall Only	Credits	Major	Other	GEP
CHEM 304* - Computational Tech.	2	X		TF
CHEM 441* - Physical Chemistry I	3	X		
CHEM 445* - Physical Chemistry Lab I	1	X		
CHEM 491, 493, or 495	2	X		
General Electives	4		X	
<b>Semester Total</b>	<b>12</b>			

Semester 8 - Spring				
**Spring Only	Credits	Major	Other	GEP
CHEM 492 – Capstone	1	X		
Chemistry Elective	3	X		
General Electives	8		X	
<b>Semester Total</b>	<b>12</b>			