



**COLLEGE OF LIBERAL ARTS & SCIENCES**

Chemistry- Biochemistry (BS)

Bachelor of Science with Innovation Minor  
Suggested Schedule\*

FIRST YEAR			
Semester 1 (Spring)		Semester 2 (Summer)	
CHM2045 General Chemistry 1 (State Core GE-P) & CHM2045L General Chemistry 1 Lab	4	CHM2046 General Chemistry 2 (GE-P) & CHM2046L General Chemistry 2 Lab	4
MAC2311 Analytical Geometry & Calculus I (State Core GE-M)	4	MAC2312 Analytical Geometry & Calculus II (GE-M & Counts as 3000 Elective Outside Major)	4
Composition (State Core GE-C)	3	IDS1359 Innovation in Action	2
IDS1940 Creativity & Design Thinking for Innovation	2	Humanities (State Core GE-H) *recommend with GE-N	3
Social & Behavioral Sciences (State Core GE-S) *recommend with GE-D	3	Social & Behavioral Sciences (GE-S)	3
<b>TOTAL</b>	<b>16</b>	<b>TOTAL</b>	<b>16</b>
SECOND YEAR			
Semester 3 (Spring)		Semester 4 (Summer)	
BSC2010 Integrated Principles of Biology 1 (GE-B) & BSC2010L Integrated Principles of Biology 1 Lab	4	BSC2011 Integrated Principles of Biology 2 (GE-B) & BSC2011L Integrated Principles of Biology 2 Lab	4
CHM2210 Organic Chemistry I - 3 credits or CHM3217 Organic/Biochemistry I - 4 credits	3-4	CHM2211 Organic Chemistry 2 (3 credits) or CHM3218 Organic/Biochemistry 2 (4 credits)	3-4
ENT3003 Principles of Entrepreneurship	4	CHM2211L Organic Chemistry Laboratory	2
Foreign Language	5	Foreign Language	5
<b>TOTAL</b>	<b>16-17</b>	<b>TOTAL</b>	<b>14-15</b>
THIRD YEAR			
Semester 5 (Spring)		Semester 6 (Summer)	
CHM3218 Organic/Biochemistry 2 (if completing CHM2210-CHM2211 sequence)	3	MCB3020: Basic Biology of Microorganisms (Counts as 3000 level outside elective)	3
PHY2053 & PHY2053L or PHY2048 & PHY2048L	3	PHY2054 & PHY2054L or PHY2049 & PHY2049L (Counts as 3000 level Outside Elective)	4-5
CHM3120 & CHM3120L Analytical Chemistry + Lab	4	AEC3410 Fostering Innovation Through Leadership	3
PHI3641 Ethics and Innovation (GE-H, 2K)	3	Social & Behavioral Science (GE-S)	3
		CHM4300L Laboratory in Biochemistry & Molecular Biology	2
<b>TOTAL</b>	<b>15-16</b>	<b>TOTAL</b>	<b>15-16</b>
FOURTH YEAR			
Semester 7 (Spring)		Semester 8 (Summer)	
Approved Biochemistry Electives (most electives are not offered in the summer)	6	CHM4413L Biophysical Chemistry Lab	3
CHM3400 Physical Chemistry for the Biosciences	3	ENT4015 The Venture Accelerator, or IDS4950 Innovation Academy Senior Project	3
Composition (GE-C)	3	CHM3610 Inorganic Chemistry	3
Humanities (GE-H)	3	Electives	2
<b>TOTAL</b>	<b>15</b>	<b>TOTAL</b>	<b>13</b>

**TOTAL CREDITS TO DEGREE = 120-125**

**Last Updated November 2024**

\* For Detailed tracking and degree requirements please refer to the [UF catalog](#).