

## BIOCHEMISTRY

Possible 4 year Plan of Study  
(120 Credit Hours Required for Graduation)

### Freshman Year

<i>First Semester</i>		<i>Second Semester</i>	
1 cr	AGR 10100/11500 (Intro Coll & Purdue)	3 or 4	Biology II (BIOL 13100 or 11100)**
2	BCHM 10000 (Intro to Biochemistry)	4	CHM 11600 (General Chemistry)
2 or 4	Biology I (BIOL 12100 or 11000)*	4	ENGL 10600 (English Composition)
4	CHM 11500 (General Chemistry)	3	MA 16020 (Applied Calculus II)
3	Social Science or Humanities Selective		
3	MA 16010 (Applied Calculus I)		
15 or 17		14 or 15	

### Sophomore Year

<i>Third Semester</i>		<i>Fourth Semester</i>	
3	BCHM 22100 (Analytical Biochemistry)	2	BCHM 29000 (Experimental Design)
3	BIOL 23100 (Cell Structure and Function)	3	BCHM 36100 (Molecules)
2	BIOL 23200 (Cell Structure/Function Lab)	3	CHM 25600 (Organic Chemistry II)
3	CHM 25500 (Organic Chemistry I)	1	CHM 25601 (Organic Chemistry Lab)
1	CHM 25501 (Organic Chemistry Lab)	4 or 5	Genetics (AGRY 32000/32100 or BIOL 24100/24200)***
3	STAT 30100 (Elem Statistical Methods)	3	COM 11400 (Fund of Speech) or COM 21700 (Science Writing & Presentation)
15		16 or 17	

### Junior Year

<i>Fifth Semester</i>		<i>Sixth Semester</i>	
2	BCHM 32200 (Analytical Biochemistry)	1	BCHM 49800 (Undergrad Research)
1	BCHM 39000 (Professional Development)	4	PHYS 22100 (General Physics)
3	BCHM 46200 (Metabolism)	3	Science Selective
1	BCHM 49800 (Undergrad Research)	3	Social Science or Humanities Selective
4	PHYS 22000 (General Physics)	3	Unrestricted Elective
3	Humanities Selective (UCC approved)		
14		14	

### Senior Year

<i>Seventh Semester</i>		<i>Eighth Semester</i>	
3	BCHM 46300 (Macromolecular Machines)	2	BCHM 46500 (Bchm of Life Processes)
1	BCHM 49800 (Undergrad Research)	1	BCHM 49000 (Undergrad Seminar)
3	Economics Selective	4	CHM 37200 (Physical Chemistry)
3	Science Selective	3	Science Selective
3	Written or Oral Communication Selective	3	Social Science or Humanities Selective (30000-level or higher)
3	Social Science or Humanities Selective	3	Unrestricted Elective
16		16	

\* If BIOL 110 is selected, reduce science selective credits by one.

\*\* If BIOL 11100 is selected, reduce science selective credits by one.

\*\*\* If BIOL 24200 is selected, reduce science selective credits by one.