University of Saint Joseph

Biochemistry

FALL

1st Semester: _____	**15**
BIOL 114 General Biology I + Lab	4
CHEM 175 Fund/Chemical Principles I (Pre-Calculus)	4
MATH 170 Calculus I + Lab (Pre-Calculus)	4
INTD 100 First Year Seminar I	3

SPRING

2nd Semester: _____	14-15
CHEM 176 Fund/Chemical Principles II + Lab (CHEM 175)	4
MATH 180 Calculus II + Lab (MATH 170) **or** MATH 110 Stats	3-4
INTD 116 First Year Seminar II	1
CORE	3
CORE	3

FALL

3rd Semester: _____	**15**
BIOL 325 Genetics + Lab (BIOL 114)	4
CHEM 200 Organic Chemistry I + Lab (CHEM 176)	4
PHYS 130 Introductory Physics I (MATH 170)	4
ENGL 104 or ENGL 110	3

SPRING

4th Semester: _____	**14**
CHEM 210 Organic Chemistry II + Lab (CHEM 200)	4
PHYS 140 Introductory Physics II (PHYS 130)	4
CORE	3
CORE	3

FALL

5th Semester: _____	**15**
CHEM 320 Physical Chemistry I (CHEM 176, PHYS 140, MATH 170)	3
BIOL 350 Advanced Cell Biology + Lab (BIOL 114)	4
INTD 301 Mercy Integrative Seminar (Fall or Spring)	3
CORE/Elective	3
CORE/Elective	3

SPRING

6th Semester: _____	**15**
CHEM 300 Analytical Instrumentation + Lab (CHEM 200)	4
CHEM 487 **CURE** Foundations * (CHEM 210)	2
CORE	3
CORE	3
CORE	3

FALL

7th Semester: _____	**16**
CHEM 499 Coordinating Seminar (Senior Year Status)	1
CHEM 430 Biochemistry II (CHEM 200)	3
CORE/Elective	3
CORE/Elective	3
CORE/Elective	3
CORE/Elective	3

SPRING

8th Semester: _____	**15**
CHEM 426 Biochemistry I (CHEM 200)	4
CHEM 496 Thesis **	3
CHEM 488 Chemistry/Biochemistry Formal Reporting	1
CHEM 310 Quantitative Analysis + Lab (CHEM 176)	4
CORE/Elective	3

* **CURE**: Course-based Undergraduate Research Experience

Student must choose to take either CHEM 496, ***or* CHEM 487 **+** CHEM 488, but <u>not all three</u>.

<u>NOTE:</u> This is an unofficial worksheet and is subject to change. The responsibility to register for the necessary courses in the proper sequence to meet the academic program requirements rests with the student. Please consult your advisor every semester, and the USJ catalog, for the most up-to-date degree program requirements.