

IMMACULATA UNIVERSITY

FOUR-YEAR COURSE SEQUENCE SHEET

**Depts.: BIOLOGY & CHEMISTRY Major: BA in BIOLOGY & BA in Chemistry
PREREQUISITES SATISFIED ONLY**

<i>Freshman Year - First Semester</i>	<i>Freshman Year – Second Semester</i>
<input type="checkbox"/> ENG 106: Composition I (3)	<input type="checkbox"/> ENG 107: Composition II (3)
<input type="checkbox"/> BIOL 233: Cell Biology (4)	<input type="checkbox"/> BIOL 234: Genetics (4)
<input type="checkbox"/> CHE 103: Fundamental Chemical Concepts I (4)	<input type="checkbox"/> CHE 104: Fundamental Chemical Concepts II (4)
<input type="checkbox"/> MATH 207: Introductory Analysis I (3) <i>or</i>	<input type="checkbox"/> MATH 208: Introductory Analysis II (3) <i>or</i>
<input type="checkbox"/> MATH 301: Calculus I (3)	<input type="checkbox"/> MATH 302: Calculus II (3)
<input type="checkbox"/> THE Elective (3)	<input type="checkbox"/> EXS 101 (2) (16)
<input type="checkbox"/> FYE (1) (18)	
<i>Sophomore Year - First Semester</i>	<i>Sophomore Year – Second Semester</i>
<input type="checkbox"/> THE Elective (3) <i>or</i>	<input type="checkbox"/> THE Elective (3) <i>or</i>
<input type="checkbox"/> PHI Elective (3)	<input type="checkbox"/> PHI Elective (3)
<input type="checkbox"/> FOR LANG: Foreign Language I (3)	<input type="checkbox"/> FOR LANG: Foreign Language II (3)
<input type="checkbox"/> BIOL 305: Evolution and Diversity (4)	<input type="checkbox"/> BIOL 306: Mammalian Structure & Function (4)
<input type="checkbox"/> CHE 211: Organic Chemistry I (4)	<input type="checkbox"/> CHE 212: Organic Chemistry II (4)
<input type="checkbox"/> PHY 203: Physics I (4)	<input type="checkbox"/> PHY 204: Physics II (4)
<input type="checkbox"/> PHYS ED (18)	<input type="checkbox"/> PHYS ED (18)
<i>Junior Year – First Semester</i>	<i>Junior Year – Second Semester</i>
<input type="checkbox"/> THE 218: Introduction to Christian Ethics (3) <i>or</i>	<input type="checkbox"/> THE 218: Introduction to Christian Ethics (3) <i>or</i>
<input type="checkbox"/> PHI Elective (3)	<input type="checkbox"/> PHI Elective (3)
<input type="checkbox"/> HIST 115: World Civilization I (3)	<input type="checkbox"/> HIST 116: World Civilization II (3)
<input type="checkbox"/> SOC SCI (PSY 208): Psychology Statistics (3) <i>or</i>	<input type="checkbox"/> SOC SCI (PSY 208): Psychology Statistics (3) <i>or</i>
<input type="checkbox"/> ENG LIT (100 LEVEL): English Literature (3)	<input type="checkbox"/> ENG LIT (100 LEVEL): English Literature (3)
<input type="checkbox"/> CHE 313: Physical Chemistry I (4)	<input type="checkbox"/> CHE 314: Physical Chemistry II (4)
<input type="checkbox"/> BIOL 307: Ecology (4)	<input type="checkbox"/> CHE 320: Inorganic Chemistry (3) (16)
<input type="checkbox"/> BIOL 320: Junior Seminar (1)(see note 2)(17-18)	
<i>Senior Year – First Semester</i>	<i>Senior Year – Second Semester</i>
<input type="checkbox"/> BIOL ELEC: (1-4) (see note 1) <i>or</i>	<input type="checkbox"/> BIOL ELEC: (1-4) (see note 1) <i>or</i>
<input type="checkbox"/> ELECTIVE (3) (see note 3)	<input type="checkbox"/> ELECTIVE (3) (see note 3)
<input type="checkbox"/> CHE 330: Biochemistry I (3)	<input type="checkbox"/> SOC SCI: Elective (3)
<input type="checkbox"/> CHE 200: Chemical Literature (4)	<input type="checkbox"/> CHE 310: Structural Organic Analysis (3) <i>or</i>
	<input type="checkbox"/> CHE 315: Physical Chemistry III (3) <i>or</i>
	<input type="checkbox"/> CHE 318: Advanced Organic Chemistry (3) <i>or</i>
	<input type="checkbox"/> CHE 331: Biochemistry II (3)
<input type="checkbox"/> CHE 304: Instrumental Analysis (4)	<input type="checkbox"/> CHE 317: History of Chemistry (1)
<input type="checkbox"/> CHE 350: Senior Seminar I (1) (see note 2) (12-16)	<input type="checkbox"/> CHE 351: Senior Seminar II (1)
	<input type="checkbox"/> BIOL 395: Senior Seminar (2) (see note 2) (12-13)
<input type="checkbox"/> <u>CROSS CULTURAL REQUIREMENT</u>	

Notes

1. Biology electives (5 credits minimum) must come from BIOL300 level courses.
2. Seminar sequence can be either in biology (BIOL 320 & 395) *or* chemistry (CHE 350-351)
3. Unrestricted electives to bring total credits to at least 128.