

PRE-MED CHEMISTRY  
ACADEMIC PLANNING: PROGRAM – 4 YEAR PLAN

Fall 12-18 credit hours (placements if needed)	Spring 12-18 credit hours (placements if needed)
CHEM 141: Principles of Chemistry I & Lab (4)	CHEM 142: Principles of Chemistry II & Lab (4)
ICONN 100: I-Connect (3)	BIOL 191: Principles of Biology II & Lab (4)
ENGL 101: Rhetoric & Composition (3)	GE: Rhetoric & Research (3)
CHEM 480: Chemistry Seminar (0)	GE: Franciscan Tradition (3)
COMM 121: Fundamentals of Public Comm (3)	CHEM 480: Chemistry Seminar (0)
BIOL 190: Principles of Biology I & Lab (4)	GE: History (3)
<b>17 semester credit hours</b>	<b>17 semester credit hours (34 credit hours total)</b>
Fall 12-18 credit hours	Spring 12-18 credit hours
CHEM 241: Organic Chemistry I & Lab (4)	CHEM 242: Organic Chemistry II & Lab (4)
MATH 223: Calculus I (3)	MATH 224: Calculus II (3)
SCIE 257: Physics I & Lab (4)	SCIE 258: Physics II & Lab (4)
CHEM 480: Chemistry Seminar (0)	CHEM 480: Chemistry Seminar (0)
GE: Creative Arts (3)	BIOL 295: Genetics & Lab (4)
<b>14 credit hours (48 credit hours total)</b>	<b>15 credit hours (63 credit hours total)</b>
Fall 12-18 credit hours	Spring 12-18 credit hours
PSYC 121: Psychology (3)	CHEM 333: Biochemistry (3)*
BIOL 271: Mammalian A&P (3)	CHEM 367: Biotechnology Lab (1)*
BIOL 272: Mammalian A&P Lab (1)	Directed Elective (4)*
CHEM 480: Chemistry Seminar (0)	GE: Theology (3)
CHEM 447: Physical Chemistry I & Lab (4)	CHEM 480: Chemistry Seminar (0)
CHEM 348: Advanced Organic Chemistry (3)*	BIOL 350: Cell Biology (3)
GE: Health and Wellness (2)	Elective (3)
<b>16 credit hours (79 credit hours total)</b>	<b>17 credit hours (96 credit hours total)</b>
Fall 12-18 credit hours	Spring 12-18 credit hours
CHEM 345: Analytical Chemistry & Lab (4)	GE: Care for Creation (3)
SCIE 450: STEM Capstone (3)	CHEM 481: Chemistry Seminar (1)
CHEM 480: Chemistry Seminar (0)	Directed Elective (3)*
GE: Social Justice (3)	GE: Philosophy (3)
GE: Literature (3)	CHEM 344: Inorganic Chemistry (3)
Writing Intensive Course (3)	Elective (3)
<b>16 credit hours (112 credit hours total)</b>	<b>16 credit hours (128) credit hours total)</b>

***San Damiano General Education (GE) courses are offered within distributions and are approved by the university's Curriculum Council. Please see your Academic advisor for additional information.***

*Please note: This schedule is subject to change based on course offerings and curriculum developments that may occur throughout the 2017-2018 academic year.*

<b>*Need 9 cr hrs of directed electives:</b>	BIOL 366: Experimental Design & Research Methods	CHEM 348: Advanced Organic Chemistry
BIOL 226: Microbiology	BIOL 471: Immunology	CHEM 447: Physical Chemistry II
BIOL 273/274: Mammalian Anatomy	BIOL 474: Virology	CHEM 449: Instrumental Analysis
BIOL 344: Developmental Biology	BIOL 465: Advanced Physiology	CHEM 496: Chemical Research
BIOL 440: Molecular Biology		