



FOUR-YEAR PROGRAM COMPLETION PLAN

Department of Chemistry and Food Science

-- Domain General Education courses and open electives may be taken in any semester and in any order, except for Common Core Domain requirements, which must be taken during Year One.

--Please refer to your Degree Audit for specific course requirements.

Recommended Schedule for Bachelor of Science: Major in Biochemistry, Concentration in American Chemical Society Approved (UBCA):

Year One: Fall Semester	Year One: Spring Semester
CHEM 107 Principles of Chemistry	CHEM 108 Principles of Chemistry and Quantitative Analysis
MATH 219 Calculus I	MATH 220 Calculus II
BIOL 130 Principles of Biology OR BIOL 161 Introduction to Cell and Molecular Biology	Domain General Education Course
Domain General Education Course	Domain General Education Course

Year Two: Fall Semester	Year Two: Spring Semester
CHEM 207 Organic Chemistry I	CHEM 208 Organic Chemistry II
PHYS 211 Principles of Physics I	PHYS 212 Principles of Physics II
MATH 221 Calculus III OR Domain General Education Course	Computer Science Course OR Domain General Education Course OR Open Elective
Domain General Education Course OR Open Elective	Domain General Education Course OR Open Elective

Year Three: Fall Semester	Year Three: Spring Semester
CHEM 303 Physical Chemistry I	CHEM 332 Biochemistry II
CHEM 301 Biochemistry I	CHEM 401 Inorganic Chemistry
Computer Science Course OR Domain General Education Course OR Open Elective	Computer Science Course OR Domain General Education Course OR Open Elective
Domain General Education Course OR Open Elective	Domain General Education Course OR Open Elective

Year Four: Fall Semester	Year Four: Spring Semester
CHEM 321 Instrumental Analysis	CHEM 481 Chemical Research II
CHEM 480 Chemical Research I	Choose Restricted elective
Domain General Education Course OR Open Elective	Domain General Education Course OR Open Elective
Domain General Education Course OR Open Elective	Domain General Education Course OR Open Elective

Domain General Education Checklist:

- Domain II-B is fulfilled through completion of the major.

Common Core:	___	A. ENGL 110 Expository Writing
	___	B. MATH XXX (credit-bearing)
Domain I:	___	A. Creative Arts
	___	B. Humanities
	___	C. Language
Domain II:	___	A. Analysis, Modeling, Problem Solving
	<u> X </u>	B. Natural Sciences (two courses)
Domain III:	___	A. Perspectives on the Past
	___	B. Perspectives on Contemporary World
	___	C. Global Competency, Ethical Reasoning, Human Diversity