CHEMISTRY MINOR

Name: ________________________________ Date: ____________________

(Quarter offered: F=Fall, W=Winter, S=Spring)

NOTE: Courses appearing in more than one category can fulfill only one requirement.

INTRODUCTORY REQUIREMENTS

Calculus:  MATH 11A (FWS) ___ + 11B (FWS) ___ + 22 (WS) ___  
OR MATH 19A (FWS) ___ + 19B (FWS) ___ + 22 (WS) ___

General Chemistry:  CHEM 1A (FWS) ___ + 1B/M (FWS) ___ + 1C/N (FWS) ___

Organic Chemistry:  CHEM 112A/L (F) ___ + 112B/M (W) ___ + 112C/N (S) ___  
OR CHEM 108A/L (FW) ___ + 108B/M (WS) ___

Physics:  PHYS 6A/L (FW) ___ + 6B/M (WS) ___ + 6C/N (FS) ___  
OR PHYS 5A/L (F) ___ + 5B/M (W) ___ + 5C/N (S) ___

ADVANCED REQUIREMENTS 3-4 total

Physical Chemistry:  CHEM 163A Quantum Mechanics & Basic Spectroscopy (F) ___
CHEM 163B Thermodynamics & Kinetic Theory (W) ___

Electives:  If opting for the CHEM 108 series, TWO from the following...
If opting for the CHEM 112 series, ONE of the following...
CHEM 103 Biochemical Structures, Reactions, & Energetics*(S) ___
CHEM 122 Principles of Instrumental Analysis (F) ___
CHEM 143 Organic Chemical Structure & Reactions (F) ___
CHEM 151B Chemistry of the Main Group Elements (W) ___
CHEM 156C Advanced Topics in Inorganic Chemistry (*) ___
CHEM 163C Kinetics, Statistical Mechanics, Spectroscopic (S) ___
BIOC 100A Biochemistry* (F) ___
BIOC 100B Biochemistry* (W) ___
BIOC 100C Biochemistry* (S) ___
BME 60/L Programming for Biologists and Biochemists/Lab (W) ___
CMPS 5C Introduction to Programming in C/C++ (*) ___
CMPS 12A/L Introduction to Programming/Lab (FS) ___
METX 101 Sources and Fates of pollutants (F) ___
METX 102 Cellular and Organismal Toxicology (S) ___
OCEA 120 Aquatic Chemistry: Principles and Applications (*) ___
OCEA 220 Chemical Oceanography (W) ___
PHYS 110A Electricity, Magnetism, & Optics (W) ___
PHYS 110B Electricity, Magnetism, & Optics (S) ___
PHYS 116A Mathematical Methods in Physics (W) ___
PHYS 116B Mathematical Methods in Physics (S) ___
PHYS 116C Mathematical Methods in Physics (F) ___
PHYS 180 Biophysics (S) ___

*CHEM 103 counts as an elective only if BIOC 100ABC are not taken