

2014-2015
ENVIRONMENTAL SYSTEMS / ENVIRONMENTAL CHEMISTRY
DEGREE CHECK LIST

LOWER-DIVISION CORE REQUIREMENTS

Biology BILD 3 _____
Math 20A _____ 20B _____ 20C _____ (Math 20D _____ recommended)
Chemistry 6A _____ 6B _____ 6C _____ 7L _____
Physics 2A _____ 2B _____ 2C _____
Economics 1 _____

UPPER-DIVISION REQUIREMENTS

ESYS 101 _____ Environmental Biology
ESYS 102 _____ The Solid and Fluid Earth
ESYS 103 _____ Environmental Challenges: Science and Solutions
Economics 131 _____ Economics of the Environment (Econ 2 prerequisite waived)
Political Science 160AA _____ Intro to Policy Analysis (PoliSci 10 or 11 prerequisite waived)
Math 183 _____ Statistical Methods **OR**
Math 186 _____ Probability Statistics for Bioinformatics

UPPER DIVISION CURRICULUM 8 REQUIRED COURSES FROM LIST BELOW. If specializing in another track, choose (6) from Chemistry track and (2) from other track of choice. Must petition this action.

STUDENTS MUST COMPLETE TWO OF THE FOLLOWING:

Chemistry 171 _____ Environmental Chemistry
Chemistry 172 _____ Environmental Chemistry
Chemistry 173 _____ Atmospheric Chemistry
SIO 141/Chem 174 _____ Chemical Principles of Marine Systems

STUDENTS MUST COMPLETE:

Chemistry 100A _____ Analytical Chemistry Laboratory
Chemistry 140A _____ Organic Chemistry
Chemistry 140B _____ Organic Chemistry

ONE UPPER DIVISION LAB FROM EITHER:

Chemistry 100B/BL _____ Fundamentals of Instrumental Analysis and Lab (Must be taken concurrently)
Chemistry 143A _____ Organic Chemistry Laboratory

TWO OTHER UPPER DIVISION CHEMISTRY RESTRICTED ELECTIVES SELECTED FROM:

(NOTE: AT LEAST ONE QUARTER OF PHYSICAL CHEM RECOMMENDED)

Chemistry 125 _____ Bioinorganic Chemistry
Chemistry 127 _____ Physical Chemistry (*recommended*) or Chemistry 131 _____ 132 _____
Chemistry 126 _____ Physical Chemistry or Chemistry 133 _____ (Note: Chem 126 and Chem 133 require Math 20D and Physics 2D as prerequisites)
Chemistry 140C _____ Organic Chemistry
ESYS 199 _____ Independent Study

ENVIRONMENTAL SYSTEMS SENIOR INTERNSHIP AND PROJECT (required of all majors)

ESYS 190A _____ Integrative Project (8 units)
ESYS 190B _____ Senior Seminar (4 units)