

The New and Improved Environmental Science Major

Course Checklist for Environmental Science Students Entering Fall 2012

Humanities and Social Sciences (21 Credits)

- ___ ENGL 101 3 Exp Writing and Reading
- ___ ENGL 102 3 Personal Writing and Reading
- ___ ENGL 103 3 Analytical Writing and Reading
- ___ COM 230 3 Techniques of Speaking
- ___ COM 310 3 Technical Writing
- ___ PHIL_{251/341} 3 Ethics or Philosophy of the Environment
- ___ UNIV 101 1 The Drexel Experience
- ___ UNIV 101 1 The ENVS Experience
- ___ UNIV 101 1 Civic Engagement

Humanities and Social Science Electives (6 credits)

*Choose at least 6 credits of humanities and social science electives.

Mathematics and Statistics (18 credits)

- ___ MATH 101 4 Intro to Analysis I OR MATH 121
- ___ MATH 102 4 Intro to Analysis II OR MATH 122
- ___ MATH 239 4 Math for the Life Sci OR MATH 123
- ___ MATH 410 3 Scientific Data Analysis I
- ___ MATH 411 3 Scientific Data Analysis II

Physical Sciences (25 credits)

- ___ CHEM 101 3.5 General Chemistry I
- ___ CHEM 102 4.5 General Chemistry II
- ___ CHEM 103 5 General Chemistry III
- ___ PHYS 152 4 Introductory Physics I
- ___ PHYS 153 4 Introductory Physics II
- ___ PHYS 154 4 Introductory Physics III
- ___ CHEM 241 4 Organic Chemistry I
- ___ CHEM 242 4 Organic Chemistry II
- ___ CHEM 245 3 Organic Chemistry III

**Organic chemistry courses are recommended for students planning to attend graduate school, but are not required for graduation in the BS program.*

Biological Science (17.5 credits)

- ___ BIO 122 4.5 Cells and Genetics
- ___ BIO 124 4.5 Evolution & Org Diversity
- ___ BIO 126 4.5 Physiology & Ecology
- ___ BIO 217 4 Evolution

ENVS Lab Requirement (4 credits)

*Choose 2 courses from a list of lab classes tailored to the BEES major.

Environmental Science Core Courses (39.5 credits)

- ___ ENVS 101 4.5 Intro to Envr Sci
- ___ ENVS 102 2 Natural Hist, Rsrch & Collections
- ___ ENVS 103 2 Intro to Fld Mthds in Earth Sci
- ___ ENVS 201 2 Plant & Animal Identification
- ___ ENVS 202 2 Tree of Life
- ___ ENVS 203 2 The Watershed Approach
- ___ ENVS 230 3 General Ecology
- ___ ENVS 273 3 Earth Systems Processes
- ___ ENVS 301 2 Adv Fld Mthds in Earth Sci
- ___ ENVS 302 2 Envr Chemistry Lab
- ___ ENVS 308 4 GIS & Envr Modeling
- ___ ENVS 441 2 Iss Gbl Chng: Seminar
- ___ ENVS 442 2 Iss Gbl Chng: Research
- ___ ENVS 443 2 Iss Gbl Chng: Synthesis
- ___ ENVS 400 2 Cascade Mentoring in ENVS
- ___ ENVP xxx 3 ENVP 360 or 365

Environmental Science Concentration Requirements (12 credits)

*Each concentration requires 4 core classes, specific to that area of study.

Environmental Science Electives (15 credits)

*Students will select at least 5 environmental science electives from concentrations across the major, encouraging an overall breadth of knowledge in the discipline.

Free Electives (24 credits)

*Select at least 24 credits of free electives in courses of your choosing from around the university. These credits may also be used to fulfill minor requirements.

A minimum of 182-183 credits and 2.00 GPA are required for graduation.