

Environmental Soil/Water Science Major Degree Plan

This sample curriculum is for students with a Soil Emphasis, Water Emphasis, or Plant Emphasis within the Environmental Soil/Water Science Major. It shows most lower-division courses selected freshman and sophomore years, and most upper-division courses selected junior and senior years.

Students should consult with their advisor to develop a plan of study tailored to their individual needs and interests.

Freshman Year (31 credits)

Fall Semester (14 credits)

BIOL 1610 Biology I	4
ENGL 1010 (CL1) Introduction to Writing: Academic Prose	3
MATH 1050 (QL) College Algebra.....	4
Any Breadth Creative Arts (BCA)/USU course, as required	3

Spring Semester (17 credits)

CHEM 1110 (BPS) General Chemistry I (4 cr) or	
CHEM 1210 Principles of Chemistry I (4 cr).....	4
CHEM 1115 General Chemistry Laboratory (1 cr) or	
CHEM 1215 Chemical Principles Laboratory I (1 cr).....	1
GEO 1110 (BPS) The Dynamic Earth: Physical Geology.....	4
MATH 1060 Trigonometry	2
Any Breadth Social Sciences (BSS)/USU course, as required	3
Any USU elective course.....	3

Sophomore Year (30-31 credits)

Fall Semester (15-16 credits)

CHEM 1120 (BPS) General Chemistry II (4 cr) or	
CHEM 1220 (BPS) Principles of Chemistry II (4 cr).....	4
CHEM 1225 Chemical Principles Laboratory II (required <i>only</i> if CHEM 1215 is taken).....	(1)
PSC 3000 Fundamentals of Soil Science.....	4
ENGL 2010 (CL2) Intermediate Writing: Research Writing in a Persuasive Mode	3
MATH 1210 (QL) Calculus I	4

Spring Semester (15 credits)

PSC 5530 (QI) Soils and Plant Nutrient Bioavailability.....	3
STAT 2000 (QI) Statistical Methods (3 cr) or	
STAT 3000 (QI) Statistics for Scientists (3 cr).....	3
WILD 2200 (BLS) Ecology of Our Changing World (3 cr) or	
BIOL 2220 General Ecology (3 cr).....	3
Any Breadth American Institutions (BAI)/USU course, as required	3
Any USU elective course.....	3

Junior Year (31 credits)

Fall Semester (17 credits)

PHYS 2110 General Physics—Life Sciences I (4 cr) or	
PHYS 2210 (QI) General Physics—Science and Engineering I (4 cr)	4
PSC 5130 Soil Genesis, Morphology, and Classification	4
Any Breadth Humanities (BHU)/USU course, as required	3
Any emphasis course, as advised.....	3
Any USU elective course.....	3

Spring Semester (15 credits)

PHYS 2120 (BPS) General Physics—Life Sciences II (4 cr) or	
PHYS 2220 (BPS/QI) General Physics—Science and Engineering II (4 cr)	4
PSC 5050 Principles of Environmental Soil Chemistry (taught odd years <i>only</i>)	3
PSC 5560 Analytical Techniques for the Soil Environment	2
Any Depth Humanities and Creative Arts (DHA) or Depth Social Sciences (DSS) course	3
Any emphasis course, as advised.....	3

Senior Year (25 credits)

Fall Semester (14 credits)

PSC 5670 Environmental Soil Physics.....	4
Any Communications Intensive (CI) course, as advised	3
Any emphasis course, as advised.....	3
Any USU elective course(s).....	4

Spring Semester (11 credits)

PSC 5740 (CI) Environmental Quality: Soil and Water	2
Any emphasis course, as advised.....	3
Any USU elective courses.....	6