

Crop and Soil Sciences – Soil, Water and Land Use Option

Freshman

Fall	Hours	Spring	Hours
BIOL 1020 Principles of Biology & BIOL 1021 Principles of Biology Laboratory		4 BIOL 1030 Organismal Biology & BIOL 1031 Organismal Biology Laboratory	4
CSES 1000 Basic Crop Science		4 ENGL 1100 English Composition I	3
CHEM 1030 Fundamentals Chemistry I & CHEM 1031 Fundamental Chemistry I Laboratory		4 MATH 1610 Calculus I	4
MATH 1130 Pre-Calculus Trigonometry		3 CHEM 1040 Fundamental Chemistry II & CHEM 1041 Fundamental Chemistry II Laboratory	4
	15		15

Sophomore

Fall	Hours	Spring	Hours
GEOL 1100 Dynamic Earth		4 Core History II	3
CSES 2040 Basic Soil Science		4 ENGL 1120 English Composition II	3
Core History I		3 STAT 2510 Statistics for Biological and Health Sciences	3
CHEM 3050 Analytical Chemistry & CHEM 3051 Analytical Chemistry Laboratory		4 CHEM 2030 Survey of Organic Chemistry	3
		Core Social Science ³	3
	15		15

Junior

Fall	Hours	Spring	Hours
Core Humanities (Other) ⁴		3 CSES 5020 Nutrient Management	3
ECON 2020 Principles of Microeconomics		3 GEOL 2100 Environmental Geology	4
CSES 5300 Soil Chemistry		4 CSES 5150 Soil Morphology	4
Free Electives		3 PHYS 1500 General Physics I	4
Core Humanities (Literature)		3	
	16		15

Senior

Fall	Hours	Spring	Hours
Core Humanities (Fine Arts)		3 CSES 4950 Senior Seminar	2
GEOL 5100 Hydrogeology (or) FISH 5220 Water Science		3 CSES 5060 Soil Microbiology Lecture CSES 5061 Soil Microbiology Lab	3 1
CSES 5590 Environmental Soil Physics		4 GEOG 5830 Geographic Information Systems	4
Option Course ⁵		4 Core Humanities (Other) ⁴	3
		Option course ⁵	3

	UNIV 4AA0 – University Graduation	0
	14	16

Total Hours: 121

- 1 Courses in boldface type are major courses and require a 2.0 minimum GPA for graduation.
- 2 Six credits of advanced ROTC can be substituted for free electives and 3 credits of required courses not in the required Core or Major (boldface courses).
- 3 Select one course from the Other Social Sciences section of the Core Curriculum (Examples include: ANTH 1000, GEOG 1010, PSYC 2010, SOCY 1000, UNIV 2720 or honors equivalent).
- 4 Select COMM 1000 and one additional course from the Other Humanities Choices section of the Core Curriculum. PHIL 1020 is suggested.
- 5 Option course to be taken from courses approved by advisor (list below).
 - CSES 4200 Soil Judging
 - CSES 4210 Advanced Soil Judging
 - CSES 5000 Soils & Environmental Quality
 - CSES 5080 Soil Resources and Conservation
 - CSES 5400 Bioenergy and the Environment
 - CSES 5960 Special Problems
 - FISH 5220 Water Science
 - GEOG 5100 Hydrogeology
 - BIOL 3060 Ecology
 - BIOL 5120 Systematic Botany