

Crop and Soil Sciences – Science Option

Freshman

Fall	Hours	Spring	Hours
BIOL 1020 Principles of Biology & BIOL 1021 Principles of Biology Laboratory		4 CHEM 1040 Fundamental Chemistry II & CHEM 1041 Fundamental Chemistry II Laboratory	4
MATH 1130 Pre-Calculus Trigonometry		3 ENGL 1100 English Composition I	3
CSES 1000 Basic Crop Science		4 BIOL 1030 Organismal Biology & BIOL 1031 Organismal Biology Laboratory	4
CHEM 1030 Fundamentals Chemistry I & CHEM 1031 Fundamental Chemistry I Laboratory		4 MATH 1610 Calculus I	4
Free Elective ²		3	
	18		15

Sophomore

Fall	Hours	Spring	Hours
ENGL 1120 English Composition II		3 Core Social Science ³	3
CHEM 2070 Organic Chemistry I		3 Core History II	3
CHEM 2071 Organic Chemistry I Laboratory		1 Core Humanities (Literature)	3
CSES 2040 Basic Soil Science		4 CHEM 3050 Analytical Chemistry	3
Core History I		3 CHEM 3051 Analytical Chemistry Laboratory	1
		STAT 2510 Statistics for Biological and Health Sciences	3
	14		16

Junior

Fall	Hours	Spring	Hours
CSES 3120 Principles of Weed Science		4 PLPA 3000 General Plant Pathology	4
ECON 2020 Principles of Microeconomics		3 BIOL 3000 Genetics	3
BIOL 3100 Plant Biology		4 CSES 5150 Soil Morphology or 5120 Systematic Botany	4
Core Humanities (Other) ⁴		3 PHYS 1500 General Physics I	4
	14		15

Senior

Fall	Hours	Spring	Hours
BIOL 3200 General Microbiology		3 CSES 5500 Forage Production and Utilization or 5030 Advanced Crop Science	3
Core Humanities (Fine Arts)		3 CSES 5020 Nutrient Management	3
ENTM 4020 Economic Entomology		4 Core Humanities (Other) ⁴	3
CSES 5000 Soils & Environmental Quality		3 CSES Elective⁵	3
Free Electives		1 CSES 4950 Senior Seminar	2

Total Hours: 120

- 1 Courses in boldface 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 Crop, Soil, & Environmental Sciences electives courses listed below or approved by advisor at or above the 3000-level.
 - CSES 3150 Turfgrass Management
 - CSES 5060 Soil Microbiology Lecture
 - CSES 5061 Soil Microbiology Lab
 - CSES 5080 Soil Resources and Conservation
 - CSES 5100 Plant Genetics and Crop Improvement
 - CSES 5150 Soil Morphology
 - CSES 5300 Soil Chemistry