

MAJOR IN SOIL AND CROP SCIENCES, SOIL SCIENCE AND ENVIRONMENTAL SOLUTIONS CONCENTRATION

Major Completion Map

Freshman

Semester 1		Critical	Recommended	AUCC	Credits
AGRI 100	Contemporary Agricultural Systems	X			1
CO 150	College Composition (GT-CO2)	X		1A	3
MATH 117	College Algebra in Context I (GT-MA1)	X		1B	1
MATH 118	College Algebra in Context II (GT-MA1)	X		1B	1
MATH 124	Logarithmic and Exponential Functions (GT-MA1)	X		1B	1
SOCR 100	General Crops	X			4
SOCR 171/ HORT 171	Environmental Issues in Agriculture (GT-SS3)	X		1C	3
Total Credits					14

Semester 2		Critical	Recommended	AUCC	Credits
CHEM 111	General Chemistry I (GT-SC2)	X		3A	4
CHEM 112	General Chemistry Lab I (GT-SC1)	X		3A	1
LIFE 102 or BZ 120	Attributes of Living Systems (GT-SC1) Principles of Plant Biology (GT-SC1)	X		3A	4
SOCR 193	Pathways to Success	X			1
Diversity, Equity, and Inclusion (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#diversity-equity-inclusion)			X	1C	3
Historical Perspectives (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#historical-perspectives)			X	3D	3
AUCC 1B (Quantitative Reasoning) must be completed by the end of Semester 2.		X			
Total Credits					16

Sophomore

Semester 3		Critical	Recommended	AUCC	Credits
CHEM 113	General Chemistry II	X			3
LAND 220/ LIFE 220	Fundamentals of Ecology (GT-SC2)	X		3A	3
SOCR 221	Cropping Systems Field Experience	X			1
Select one course from the following:		X			4
NR 319	Geospatial Applications in Natural Resources				
NR 322	Intro. to Geographic Information Systems				
Arts and Humanities (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#arts-humanities)			X	3B	3
Total Credits					14

Semester 4		Critical	Recommended	AUCC	Credits
GEOL 120	Exploring Earth - Physical Geology (GT-SC2)	X		3A	3
GEOL 121	Introductory Geology Laboratory (GT-SC1)	X		3A	1
SOCR 210	Microbiome Roles in a Sustainable Earth (GT-SC2)	X		3A	3
SOCR 240	Introductory Soil Science	X			4
Arts and Humanities (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#arts-humanities)			X	3B	3

Social and Behavioral Sciences (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#social-behavioral-sciences)			X	3C	3
Total Credits					17
Junior					
Semester 5		Critical	Recommended	AUCC	Credits
SOCR 440	Pedology	X			4
SOCR 455	Microbiomes of Soil Systems	X			3
Select one course from the following:		X			3
STAT 201	General Statistics (GT-MA1)			1B	
STAT 301	Introduction to Applied Statistical Methods				
STAT 307	Introduction to Biostatistics				
Advanced Writing (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#advanced-writing)			X	2	3
Total Credits					13
Semester 6		Critical	Recommended	AUCC	Credits
SOCR 350	Soil Fertility Management	X			3
SOCR 351	Soil Fertility Laboratory	X			1
SOCR 375	Soil Biogeochemistry	X			3
SOCR 405/ ESS 405	Global Agriculture and Environmental Change	X			3
Upper-Division Electives			X		6
Total Credits					16
Senior					
Semester 7		Critical	Recommended	AUCC	Credits
SOCR 400	Soils and Global Change-Impacts and Solutions	X		4A,4B,4C	3
SOCR 470	Soil Physics	X			3
SOCR 471	Soil Physics Laboratory	X			1
SOCR 486	Practicum	X		4C	1
SOCR 492	Preparing for Impact–Your Career Journey	X		4A,4C	1
Upper-Division Electives			X		6
LAND 220 / LIFE 220 must be completed by the end of Semester 7.		X			
Total Credits					15
Semester 8		Critical	Recommended	AUCC	Credits
RS 478	Ecological Restoration	X			3
SOCR 441	Soil Ecology	X			3
SOCR 467	Soil and Environmental Chemistry	X			3
Upper-Division Electives			X		6
The benchmark courses for the 8th semester are the remaining courses in the entire program of study		X			
Total Credits					15
Program Total Credits:					120