

MAJOR IN SOIL AND CROP SCIENCES, SUSTAINABLE AGRICULTURAL MANAGEMENT CONCENTRATION

Major Completion Map

Freshman

Semester 1		Critical	Recommended	AUCC	Credits
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
Arts and Humanities (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#arts-humanities)				3B	3
Diversity, Equity, and Inclusion (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#diversity-equity-inclusion)				1C	3

Total Credits

16

Semester 2		Critical	Recommended	AUCC	Credits
AREC 202	Agricultural and Resource Economics (GT-SS1)	X		3C	3
BZ 120	Principles of Plant Biology (GT-SC1)	X		3A	4
CHEM 107	Fundamentals of Chemistry (GT-SC2)	X		3A	4
CHEM 108	Fundamentals of Chemistry Laboratory (GT-SC1)	X		3A	1
SOCR 193	Pathways to Success	X			1
General Elective					1
CO 150 and AUCC 1B (Quantitative Reasoning) must be completed by the end of Semester 2.		X			

Total Credits

14

Sophomore

Semester 3		Critical	Recommended	AUCC	Credits
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:					3
BSPM 201	Weed Management and Control				
BSPM 308	Ecology and Management of Weeds				
Select one course from the following:					3
STAT 201	General Statistics (GT-MA1)	X		1B	
STAT 301	Introduction to Applied Statistical Methods				
Arts and Humanities (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#arts-humanities)				X	3B
General Elective					3

Total Credits

16

Semester 4		Critical	Recommended	AUCC	Credits
NR 319	Introduction to Geospatial Science				4
SOCR 210	Microbiome Roles in a Sustainable Earth (GT-SC2)	X		3A	3
SOCR 240	Introductory Soil Science	X			4

Historical Perspectives (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#historical-perspectives)		X	3D	3	
Total Credits				14	
Junior					
Semester 5		Critical	Recommended	AUCC	Credits
SOCR 330	Principles of Genetics				3
Advanced Writing (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#advanced-writing)			X	2	3
Technical Electives					4-6
Upper-Division Electives			X		3-5
Total Credits				15	
Semester 6		Critical	Recommended	AUCC	Credits
BZ 440	Plant Physiology	X			3
SOCR 350	Soil Fertility Management	X			3
SOCR 351	Soil Fertility Laboratory	X			1
SOCR 370	Climate-Smart Irrigation Principles				2
SOCR 405/ ESS 405	Global Agriculture and Environmental Change	X			3
Upper-Division Elective					3
Total Credits				15	
Senior					
Semester 7		Critical	Recommended	AUCC	Credits
BSPM 302	Applied and General Entomology				2
BSPM 303A	Entomology Laboratory: General				2
SOCR 371	Climate-Smart Irrigation Management	X			1
SOCR 492	Preparing for Impact–Your Career Journey	X		4A,4C	1
Choose one of the following:					3-4
SOCR 421	Agroecosystem Management	X		4A,4B,4C	
SOCR 460/ HORT 460	Plant Breeding and Biotechnology			4A,4B,4C	
Technical Electives					3
Upper-Division Electives					1-3
Total Credits				15	
Semester 8		Critical	Recommended	AUCC	Credits
AB 451	Integrated Pest Management				3
SOCR 425	Internet of Ag Things–Sensors and Data Lab	X			2
Select one course from the following:		X			1
SOCR 486	Practicum			4C	
SOCR 487	Internship				
Technical Elective					4-6
Upper-Division Electives			X		4-5
Total Credits				15	
Program Total Credits:				120	