MAJOR IN SOIL AND CROP SCIENCES, SOIL RESTORATION AND CONSERVATION CONCENTRATION

Major Completion Map

Freshman

Semester 1		**Critical**	**Recommended**	**AUCC**	**Credits**
Select one course from the following:					1
AGRI 192	Orientation to Agricultural Systems				
AGRI 292	Transfer Seminar				
CHEM 111	General Chemistry I (GT-SC2)	X		3A	4
CHEM 112	General Chemistry Lab I (GT-SC1)			3A	1
LAND 220/ LIFE 220	Fundamentals of Ecology (GT-SC2)	X		3A	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
	Total Credits				**16**

Semester 2		**Critical**	**Recommended**	**AUCC**	**Credits**
AREC 202	Agricultural and Resource Economics (GT-SS1)			3C	3
BZ 120	Principles of Plant Biology (GT-SC1)	X		3A	4
CHEM 113	General Chemistry II	X			3
CHEM 114	General Chemistry Lab II				1
CO 150	College Composition (GT-CO2)	X		1A	3
AUCC 1B (Quantitative Reasoning) must be completed by the end of Semester 2.		X			
	Total Credits				**14**

Sophomore

Semester 3		**Critical**	**Recommended**	**AUCC**	**Credits**
BSPM 308	Ecology and Management of Weeds				3
CHEM 245	Fundamentals of Organic Chemistry				4
SPCM 200	Public Speaking				3
Arts and Humanities (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#arts-humanities)				3B	3
	Total Credits				**13**

Semester 4		**Critical**	**Recommended**	**AUCC**	**Credits**
PH 110	Physics of Everyday Phenomena (GT-SC2)			3A	3
PHIL 110	Logic and Critical Thinking (GT-AH3)			3B	3
SOCR 240	Introductory Soil Science	X			4
Diversity and Global Awareness (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#diversity-global-awareness)				3E	3
Historical Perspectives (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#historical-perspectives)				3D	3
	Total Credits				**16**

Junior

Semester 5		**Critical**	**Recommended**	**AUCC**	**Credits**
JTC 300	Strategic Writing and Communication (GT-CO3)			2	3
SOCR 350	Soil Fertility Management				3
SOCR 351	Soil Fertility Laboratory				1
SOCR 377	Geographic Information Systems in Agriculture				3
SOCR 440	Pedology				4
	Total Credits				**14**
Semester 6		**Critical**	**Recommended**	**AUCC**	**Credits**
CHEM 334	Quantitative Analysis Laboratory				1
CHEM 335	Introduction to Analytical Chemistry				3
GR 204/WR 204	Sustainable Watersheds (GT-SC2)			3A	3
SOCR 320	Sustainable Forage Management for Livestock				3
SOCR 370	Climate-Smart Irrigation Principles				2
Select one course from the following:					1-3
SOCR 486	Practicum				
SOCR 487	Internship				
Select one course from the following:					3
STAT 201	General Statistics (GT-MA1)			1B	
STAT 301	Introduction to Applied Statistical Methods				
STAT 307	Introduction to Biostatistics				
	Total Credits				**16**

Senior

Semester 7		**Critical**	**Recommended**	**AUCC**	**Credits**
SOCR 371	Irrigation of Field Crops	X			1
SOCR 421	Agroecosystem Management	X		4A,4B,4C	4
SOCR 455	Microbiomes of Soil Systems	X			3
SOCR 470	Soil Physics	X			3
SOCR 471	Soil Physics Laboratory	X			1
SOCR 492	Preparing for Impact--Your Career Journey	X		4A	1
Electives					4
LAND 220 / LIFE 220 must be completed by the end of Semester 7.		X			
	Total Credits				**17**
Semester 8		**Critical**	**Recommended**	**AUCC**	**Credits**
BZ 440	Plant Physiology	X			3
RS 478	Ecological Restoration	X			3
SOCR 467	Soil and Environmental Chemistry	X			3
Electives		X			5
The benchmark courses for the 8th semester are the remaining courses in the entire program of study		X			
	Total Credits				**14**
	Program Total Credits:				**120**