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

Requirements
Effective Fall 2020

Freshman

		AUCC	Credits
AGRI 192 or 292	Orientation to Agricultural Systems Transfer Seminar		1
AREC 202	Agricultural and Resource Economics (GT-SS1)	3C	3
BZ 120	Principles of Plant Biology (GT-SC1)	3A	4
CHEM 111	General Chemistry I (GT-SC2)	3A	4
CHEM 112	General Chemistry Lab I (GT-SC1)	3A	1
CHEM 113	General Chemistry II		3
CHEM 114	General Chemistry Lab II		1
CO 150	College Composition (GT-CO2)	1A	3
LAND 220/LIFE 220	Fundamentals of Ecology (GT-SC2)	3A	3
MATH 117	College Algebra in Context I (GT-MA1)	1B	1
MATH 118	College Algebra in Context II (GT-MA1)	1B	1
MATH 124	Logarithmic and Exponential Functions (GT-MA1)	1B	1
SOCR 100	General Crops		4
	Total Credits		**30**

Sophomore

BSPM 308	Ecology and Management of Weeds		3
CHEM 245	Fundamentals of Organic Chemistry		4
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		4
SPCM 200	Public Speaking		3
Arts and Humanities (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#arts-humanities)		3B	3
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		**29**

Junior

CHEM 334	Quantitative Analysis Laboratory		1
CHEM 335	Introduction to Analytical Chemistry		3
GR 204/WR 204	Sustainable Watersheds (GT-SC2)	3A	3
JTC 300	Strategic Writing and Communication (GT-CO3)	2	3
SOCR 320	Sustainable Forage Management for Livestock		3

SOCR 350	Soil Fertility Management		3
SOCR 351	Soil Fertility Laboratory		1
SOCR 370	Climate-Smart Irrigation Principles		2
SOCR 377	Geographic Information Systems in Agriculture		3
SOCR 440	Pedology		4
SOCR 486 or 487	Practicum Internship		1-3
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		**30-32**
Senior			
BZ 440	Plant Physiology		3
RS 478	Ecological Restoration		3
SOCR 371	Irrigation of Field Crops		1
SOCR 421	Agroecosystem Management	4A,4B,4C	4
SOCR 455	Microbiomes of Soil Systems		3
SOCR 467	Soil and Environmental Chemistry		3
SOCR 470	Soil Physics		3
SOCR 471	Soil Physics Laboratory		1
SOCR 492	Preparing for Impact--Your Career Journey	4A	1
Electives[1]			7-9
	Total Credits		**29-31**
	Program Total Credits:		**120**

[1] Select from list of department electives.