

MAJOR IN SOIL AND CROP SCIENCES, AGRONOMIC PRODUCTION MANAGEMENT CONCENTRATION

Major Completion Map

Freshman

Semester 1

Select one course from the following:

		Critical	Recommended	AUCC	Credits
AGRI 192	Orientation to Agricultural Systems				1
AGRI 292	Transfer Seminar				
BZ 120	Principles of Plant Biology (GT-SC1)			3A	4
CO 150	College Composition (GT-CO2)			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				4
Total Credits					15

Semester 2

		Critical	Recommended	AUCC	Credits
AREC 202	Agricultural and Resource Economics (GT-SS1)			3C	3
CHEM 107	Fundamentals of Chemistry (GT-SC2)	X		3A	4
CHEM 108	Fundamentals of Chemistry Laboratory (GT-SC1)			3A	1
Historical Perspectives (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#historical-perspectives)				3D	3
Electives					4
CO 150 and AUCC 1B (Quantitative Reasoning) must be completed by the end of Semester 2.		X			
Total Credits					15

Sophomore

Semester 3

		Critical	Recommended	AUCC	Credits
BZ 223	Plant Identification				3
LAND 220/ LIFE 220	Fundamentals of Ecology (GT-SC2)			3A	3
PH 110	Physics of Everyday Phenomena (GT-SC2)			3A	3
Diversity and Global Awareness (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#diversity-global-awareness)				3E	3
Elective					3
Total Credits					15

Semester 4

		Critical	Recommended	AUCC	Credits
PHIL 110	Logic and Critical Thinking (GT-AH3)			3B	3
SOCR 240	Introductory Soil Science	X			4
SPCM 200	Public Speaking				3
Electives					5
Total Credits					15

Junior

Semester 5

Select one course from the following:

		Critical	Recommended	AUCC	Credits
BUS 300	Business Writing and Communication (GT-CO3)			2	3

CO 300	Writing Arguments (GT-CO3)			2	
CO 301B	Writing in the Disciplines: Sciences (GT-CO3)			2	
JTC 300	Strategic Writing and Communication (GT-CO3)			2	
SOCR 330	Principles of Genetics	X			3
SOCR 350	Soil Fertility Management				3
SOCR 351	Soil Fertility Laboratory				1
Agricultural and Resource Economics Elective (See List on Concentration Requirements Tab)					3
Department Elective (See List on Concentration Requirements Tab)					3
Total Credits					16
Semester 6		Critical	Recommended	AUCC	Credits
BZ 440	Plant Physiology				3
BZ 441	Plant Physiology Laboratory				2
SOCR 370	Climate-Smart Irrigation Principles				2
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				
Arts and Humanities (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#arts-humanities)					3B
Department Elective (See List on Concentration Requirements Tab)					3
Total Credits					16
Senior					
Semester 7		Critical	Recommended	AUCC	Credits
BSPM 302	Applied and General Entomology	X			2
BSPM 303C	Entomology Laboratory: Agricultural	X			1
BSPM 308	Ecology and Management of Weeds	X			3
SOCR 371	Irrigation of Field Crops	X			1
SOCR 377	Geographic Information Systems in Agriculture	X			3
SOCR 421	Agroecosystem Management	X		4A,4B,4C	4
SOCR 492	Preparing for Impact—Your Career Journey	X		4A	1
Total Credits					15
Semester 8		Critical	Recommended	AUCC	Credits
BSPM 361	Elements of Plant Pathology	X			3
Select two courses from the following:					6-7
SOCR 320	Sustainable Forage Management for Livestock				
SOCR 322	Principles of Microclimatology				
SOCR 430					
SOCR 440	Pedology				
SOCR 455	Microbiomes of Soil Systems				
SOCR 460/ HORT 460	Plant Breeding and Biotechnology				
Select one course from the following:					1
SOCR 486	Practicum	X			
SOCR 487	Internship				
Agricultural and Resource Economics Elective (See List on Concentration Requirements Tab)					X
Department Elective (See List on Concentration Requirements Tab)					X
The benchmark courses for the 8th semester are the remaining courses in the entire program of study.					X
Total Credits					13-17
Program Total Credits:					120-124