

# MAJOR IN SOIL AND CROP SCIENCES, APPLIED INFORMATION TECHNOLOGY CONCENTRATION

## Requirements Effective Fall 2018

No new students are being admitted into this concentration.

### Freshman

		AUCC	Credits
AGRI 192 or 292	Orientation to Agricultural Systems Transfer Seminar		1
BUS 150 or CS 110	Business Computing Concepts and Applications Personal Computing		3-4
BZ 120	Principles of Plant Biology (GT-SC1)	3A	4
CHEM 107	Fundamentals of Chemistry (GT-SC2)	3A	4
CHEM 108	Fundamentals of Chemistry Laboratory (GT-SC1)	3A	1
CIS 200	Business Information Systems		3
CO 150	College Composition (GT-CO2)	1A	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
PH 110	Physics of Everyday Phenomena (GT-SC2)	3A	3
SOCR 100	General Crops		4
SOCR 177	Applied Information Technology in Agriculture		1
<b>Total Credits</b>			<b>30-31</b>

### Sophomore

AREC 202	Agricultural and Resource Economics (GT-SS1)	3C	3
CIS 210	Information Technology in Business		3
CIS 240	Application Design and Development		3
MATH 141	Calculus in Management Sciences (GT-MA1)	1B	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 ( <a href="http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#arts-humanities">http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#arts-humanities</a> )		3B	3
Diversity and Global Awareness ( <a href="http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#diversity-global-awareness">http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#diversity-global-awareness</a> )		3E	3
Historical Perspectives ( <a href="http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#historical-perspectives">http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#historical-perspectives</a> )		3D	3
<b>Total Credits</b>			<b>31</b>

### Junior

CO 300 or JTC 300	Writing Arguments (GT-CO3) Strategic Writing and Communication (GT-CO3)	2	3
LIFE 220/LAND 220 or 320	Fundamentals of Ecology (GT-SC2) Ecology	3A	3
CIS 320	Project Management for Information Systems		3
FSHN 125 or 150	Food and Nutrition in Health Survey of Human Nutrition		2-3

NR 322	Intro. to Geographic Information Systems		4
NR 323/GR 323	Remote Sensing and Image Interpretation		3
STAT 301 or 307	Introduction to Applied Statistical Methods		3
	Introduction to Biostatistics		
SOCR Electives <sup>1,2</sup>			3
Electives <sup>1</sup>			5-6
<b>Total Credits</b>			<b>29-31</b>
<b>Senior</b>			
AREC 478	Agricultural Policy		3
CIS 355	Business Database Systems		3
NR 423/GR 323	Applications of Global Positioning Systems		1
SOCR 377	Geographic Information Systems in Agriculture	4A,4B,4C	3
SOCR 487	Internship	4A	6
SOCR 492	Preparing for Impact--Your Career Journey	4A,4C	1
SOCR Electives <sup>1,2</sup>			6
Electives <sup>1</sup>			4-7
<b>Total Credits</b>			<b>27-30</b>
<b>Program Total Credits:</b>			<b>120</b>

<sup>1</sup> Of the 9 SOCR elective credits and 17-18 general elective credits, 12 must be upper division (300- and 400-level). Select enough elective credits to bring program total to 120, of which 42 must be upper division.

<sup>2</sup> Select from courses with the SOCR subject code, in consultation with advisor.

## Major Completion Map

### Freshman

#### Semester 1

Select one course from the following:

AGRI 192	Orientation to Agricultural Systems				
AGRI 292	Transfer Seminar				

Select one course from the following:

BUS 150	Business Computing Concepts and Applications	X				
CS 110	Personal Computing	X				
BZ 120	Principles of Plant Biology (GT-SC1)	X		3A		4
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
CHEM 107	Fundamentals of Chemistry (GT-SC2)	X		3A	4
CHEM 108	Fundamentals of Chemistry Laboratory (GT-SC1)			3A	1
CIS 200	Business Information Systems	X			3
CO 150	College Composition (GT-CO2)			1A	3
PH 110	Physics of Everyday Phenomena (GT-SC2)			3A	3
SOCR 177	Applied Information Technology in Agriculture				1
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
AREC 202	Agricultural and Resource Economics (GT-SS1)			3C	3

CIS 210	Information Technology in Business	X			3
CIS 240	Application Design and Development				3
Arts and Humanities ( <a href="http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#arts-humanities">http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#arts-humanities</a> )				3B	3
Diversity and Global Awareness ( <a href="http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#diversity-global-awareness">http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#diversity-global-awareness</a> )				3E	3
<b>Total Credits</b>					<b>15</b>
<b>Semester 4</b>					
		<b>Critical</b>	<b>Recommended</b>	<b>AUCC</b>	<b>Credits</b>
MATH 141	Calculus in Management Sciences (GT-MA1)	X		1B	3
PHIL 110	Logic and Critical Thinking (GT-AH3)			3B	3
SOCR 240	Introductory Soil Science	X			4
SPCM 200	Public Speaking				3
Historical Perspectives ( <a href="http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#historical-perspectives">http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#historical-perspectives</a> )				3D	3
<b>Total Credits</b>					<b>16</b>
<b>Junior</b>					
<b>Semester 5</b>					
		<b>Critical</b>	<b>Recommended</b>	<b>AUCC</b>	<b>Credits</b>
Select one course from the following:					3
LIFE 220/ LAND 220	Fundamentals of Ecology (GT-SC2)			3A	
LIFE 320	Ecology				
NR 322	Intro. to Geographic Information Systems				4
NR 323/GR 323	Remote Sensing and Image Interpretation				3
Select one course from the following:					3
STAT 301	Introduction to Applied Statistical Methods				
STAT 307	Introduction to Biostatistics				
SOCR Elective (See List on Concentration Requirements Tab)					3
<b>Total Credits</b>					<b>16</b>
<b>Semester 6</b>					
		<b>Critical</b>	<b>Recommended</b>	<b>AUCC</b>	<b>Credits</b>
CIS 320	Project Management for Information Systems				3
Select one course from the following:					3
CO 300	Writing Arguments (GT-CO3)			2	
JTC 300	Strategic Writing and Communication (GT-CO3)			2	
Select one course from the following:					2-3
FSHN 125	Food and Nutrition in Health				
FSHN 150	Survey of Human Nutrition				
Electives					5-6
AREC 202 must be completed by the end of Semester 6.					X
<b>Total Credits</b>					<b>14</b>
<b>Senior</b>					
<b>Semester 7</b>					
		<b>Critical</b>	<b>Recommended</b>	<b>AUCC</b>	<b>Credits</b>
AREC 478	Agricultural Policy				3
CIS 355	Business Database Systems				3
SOCR 377	Geographic Information Systems in Agriculture	X		4A,4B,4C	3
SOCR 492	Preparing for Impact–Your Career Journey	X		4A,4C	1
SOCR Elective (See List on Concentration Requirements Tab)					3
Elective					3
NR 322 must be completed by the end of Semester 7.					X
<b>Total Credits</b>					<b>16</b>
<b>Semester 8</b>					
		<b>Critical</b>	<b>Recommended</b>	<b>AUCC</b>	<b>Credits</b>
NR 423	Applications of Global Positioning Systems	X			1
SOCR 487	Internship	X		4A	6
SOCR Elective (See List on Concentration Requirements Tab)					3

Electives	X	3-4
The benchmark courses for the 8th semester are the remaining courses in the entire program of study.	X	
<hr/> <b>Total Credits</b>		<b>13</b>
<hr/> <b>Program Total Credits:</b>		<b>120</b>