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

Major Completion Map

Semester 1 Critical Recommended AUCC Cordist Select one course from the following: 1 1 AGRI 192 Orientation to Agricultural Systems 1 AGRI 192 Transfer Seminar 1 CHEM 111 General Chemistry I (GT-SC2) X 3A 4 CHEM 1112 General Chemistry Lab I (GT-SC1) 3A 1 LAND 2207 Fundamentals of Ecology (GT-SC2) X 3A 1 LAND 2207 Fundamentals of Ecology (GT-SC2) X 3B 1 LAND 2207 Fundamentals of Ecology (GT-SC2) X 1B 1 LAND 2207 Fundamentals of Ecology (GT-SC1) X 1B 1 MATH 117 College Algebra in Context II (GT-MA1) X 1B 1 MATH 117 College Algebra in Context II (GT-MA1) X 1B 1 MATH 118 Colger Algebra in Context II (GT-MA1) X 1B 1 MATH 117 Total Credits Recommended AUC Credits Semeste	Freshman					
AGRI 192 Orientation to Agricultural Systems AGRI 292 Transfer Seminar CHEM 111 General Chemistry (GFSC2) X 3A 4 CHEM 112 General Chemistry Lab I (GTSC1) 3A 1 LAND 220/ Fundamentals of Ecology (GTSC2) X 3A 3 LAND 220/ Fundamentals of Ecology (GTSC2) X 3A 3 LET 220 X 3A 18 1 MATH 117 College Algebra in Context I (GT-MA1) X 1B 1 MATH 117 College Algebra in Context II (GT-MA1) X 1B 1 MATH 117 College Algebra in Context II (GT-MA1) X 1B 1 MATH 117 College Algebra in Context II (GT-MA1) X 1B 1 MATH 118 College Algebra in Context II (GT-MA1) X 1B 1 MATH 119 Logarithmic and Exponential Functions (GT-MA1) X 1B 1 Semester 2 Agricultural and Resource Economics (GT-SS1) X 3A 4 <td< td=""><td>Semester 1</td><td></td><td>Critical</td><td>Recommended</td><td>AUCC</td><td>Credits</td></td<>	Semester 1		Critical	Recommended	AUCC	Credits
AGRI 292 Transfer Seminar CHEM 111 General Chemistry I (GT-SC2) X 3A 4 4 4 4 4 4 4 4 4	Select one cours	se from the following:				1
CHEM 1111 General Chemistry I (GT-SC2) X 3A 4 CHEM 112 General Chemistry Lab I (GT-SC1) 3A 1 LAND 220/ Fundamentals of Ecology (GT-SC2) X 3A 3 LEF 220 Warm The College Algebra in Context I (GT-MA1) X 1B 1 MATH 117 College Algebra in Context II (GT-MA1) X 1B 1 MATH 118 College Algebra in Context II (GT-MA1) X 1B 1 MATH 114 Logarithmic and Exponential Functions (GT-MA1) X 1B 1 MCP 100 General Crops X 1B 1 *** Total Credits *** Total Credits *** Recommended AUCC ** Credits *** Algebra *** Agricultural and Resource Economics (GT-SS1) X 3A 3A 4 AREC 202 Agricultural and Resource Economics (GT-SS1) X 3A 3A 4 CHEM 113 General Chemistry II X 3A 4 4 CHEM 114 General Chemistry Lab III	AGRI 192	Orientation to Agricultural Systems				
CHEM 112 General Chemistry Lab I (GT-SC1) 3A 1 LAND 220/ LIFE 220 Fundamentals of Ecology (GT-SC2) X 3A 3A ALIFE 220 X 1B 1 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 1124 Logarithmic and Exponential Functions (GT-MA1) X 1B 1 SOCR 100 General Crops X 1B 1 Total Credits Total Credits Total Credits 16 Semester 2 Agricultural and Resource Economics (GT-SS1) 3C 3A 4 CREC 202 Agricultural and Resource Economics (GT-SS1) X 3A 4 CHEM 113 General Chemistry II X 3A 4 CHEM 114 General Chemistry Lab II X 1A 33 AUCC 1B (Quantitative Reasoning) must be completed by the end of Semester 2. X 1A 3A Semester 3 Total Credits Recommended	AGRI 292	Transfer Seminar				
LAND 220/ Fundamentals of Ecology (GT-SC2) X 3A 3	CHEM 111	General Chemistry I (GT-SC2)	X		3A	4
LIFE 220 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 1B 1 SOCR 100 General Crops X 4 4 Total Credits Total Credits 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 113 General Chemistry I.B X 3A 4 CHEM 114 General Chemistry Lab II X 1A 3 CO 150 College Composition (GT-CO2) X 1A 3 AUCC 1B (Quantitative Reasoning) must be completed by the end of Samester 2. X 1A 3 Semester 2. Total Credits Recommended AUCC <	CHEM 112	General Chemistry Lab I (GT-SC1)			3A	1
MATH 1177 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 SCOR 100 General Crops X 1B 1 Total Credits Total Credits Recommended AUCC Credits Semester 2 Critical Recommended AUCC Credits A Great Chemistry II X 3A 3A 4 CHEM 113 General Chemistry Lab II X 3A 3A 3A CO Scalege Composition (GT-CO2) X 1A 3 3 AUCC 1B (Quantitative Reasoning) must be completed by the end of Semester 2. Critical Recommended AUCC Credits Semester 3 Critical Recommended AUCC Credits Semester 3 Critical Recommended	LAND 220/	Fundamentals of Ecology (GT-SC2)	X		3A	3
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 1B 1 Total Credits Total Credits Recommended AUCC Credits Semester 2 Critical Recommended AUCC Credits Suphomore Semester 2. Critical Recommended AUCC Credits Suphomore Semester 3 Critical Recommended AUCC Credits Suphomore Semester 3 Critical Recommended AUCC Credits Suphomore Suphomore Suphomore Critical Recommended AUCC Credits Suphomore Suphomore						

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 cours	e from the following:				1-3
SOCR 486	Practicum				
SOCR 487	Internship				
Select one cours	e 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	Χ		4A,4B,4C	4
SOCR 455	Microbiomes of Soil Systems	X			
SOCR 470	- "-"				3
	Soil Physics	X			3
SOCR 471	Soil Physics Soil Physics Laboratory	X X			
SOCR 471 SOCR 492	-			4A	3
	Soil Physics Laboratory	Х		4A	3
SOCR 492 Electives	Soil Physics Laboratory	Х		4A	3 1 1
SOCR 492 Electives	Soil Physics Laboratory Preparing for Impact–Your Career Journey	X X		4A	3 1 1
SOCR 492 Electives	Soil Physics Laboratory Preparing for Impact–Your Career Journey 220 must be completed by the end of Semester 7.	X X	Recommended	4A AUCC	3 1 1 4
SOCR 492 Electives LAND 220 / LIFE	Soil Physics Laboratory Preparing for Impact–Your Career Journey 220 must be completed by the end of Semester 7.	x x	Recommended		3 1 1 4
SOCR 492 Electives LAND 220 / LIFE Semester 8	Soil Physics Laboratory Preparing for Impact–Your Career Journey 220 must be completed by the end of Semester 7. Total Credits	X X X Critical	Recommended		3 1 1 4 17 Credits
SOCR 492 Electives LAND 220 / LIFE Semester 8 BZ 440	Soil Physics Laboratory Preparing for Impact–Your Career Journey 220 must be completed by the end of Semester 7. Total Credits Plant Physiology	X X X Critical	Recommended		3 1 1 4 17 Credits
SOCR 492 Electives LAND 220 / LIFE Semester 8 BZ 440 RS 478 SOCR 467 Electives	Soil Physics Laboratory Preparing for Impact–Your Career Journey 220 must be completed by the end of Semester 7. Total Credits Plant Physiology Ecological Restoration Soil and Environmental Chemistry	X X X Critical X X X X	Recommended		3 1 4 17 Credits 3 3
SOCR 492 Electives LAND 220 / LIFE Semester 8 BZ 440 RS 478 SOCR 467 Electives The benchmark of	Soil Physics Laboratory Preparing for Impact–Your Career Journey 220 must be completed by the end of Semester 7. Total Credits Plant Physiology Ecological Restoration Soil and Environmental Chemistry courses for the 8th semester are the remaining courses in the	X X X Critical X X X X	Recommended		3 1 4 17 Credits 3 3 3
SOCR 492 Electives LAND 220 / LIFE Semester 8 BZ 440 RS 478 SOCR 467 Electives	Soil Physics Laboratory Preparing for Impact–Your Career Journey 220 must be completed by the end of Semester 7. Total Credits Plant Physiology Ecological Restoration Soil and Environmental Chemistry courses for the 8th semester are the remaining courses in the fistudy	X X X Critical X X X X	Recommended		3 1 4 17 Credits 3 3 3 5
SOCR 492 Electives LAND 220 / LIFE Semester 8 BZ 440 RS 478 SOCR 467 Electives The benchmark of	Soil Physics Laboratory Preparing for Impact–Your Career Journey 220 must be completed by the end of Semester 7. Total Credits Plant Physiology Ecological Restoration Soil and Environmental Chemistry courses for the 8th semester are the remaining courses in the	X X X Critical X X X X	Recommended		3 1 4 17 Credits 3 3 3