

DEPARTMENT OF SOIL AND CROP SCIENCES
Concentration: Agronomic Production Management

Name _____ Telephone _____

Local Address _____

Advisor _____ Graduation Term _____ Year _____

Degree Requirements: 120 credits, 42 upper division, 27 Soil and Crop Sciences

FRESHMAN YEAR

Semesters Offered		Credits
F S	___AGRI 192/292 Orientation to Ag. Sys.	1
F S	___BZ 120 Principles of Plant Biology	4
F S SS	___CHEM 107 Fundamentals of Chemistry	4
F S SS	___CHEM 108 Fundamentals of Chemistry Lab	1
F S SS	___CO 150 College Composition	3
F S	___AREC 202 ² Ag & Resource Economics	3
F S SS	___MATH 117 College Algebra in Context I	1
F S SS	___MATH 118 College Algebra in Context II	1
F S SS	___MATH 124 Logarithmic/Exponential Funct.	1
F	___SOCR 100 General Crops	4
F S SS	___Historical Perspectives ³	3
F S SS	___Electives	4
Total		30

SOPHOMORE YEAR

Semesters Offered		Credits
F S	___LAND/LIFE 220 Fundamentals of Ecology	3
F S SS	___PH 110 Descriptive Physics	3
F S SS	___SOCR 240 Introductory Soil Science	4
F S SS	___SPCM 200 Public Speaking	3
F S SS	___PHIL 110 ⁷ Logic & Critical Thinking	3
F SS	___BZ 223 Plant Identification	3
F S SS	___Global & Cultural Awareness ⁴	3
F S SS	___Electives	8
Total		30

JUNIOR YEAR

Semesters Offered		Credits
S	___BZ 440 Plant Physiology	3
S	___BZ 441 Plant Physiology Lab	2
F S SS	___SOCR 330 Principles of Genetics	3
F	___SOCR 350 Soil Fertility Management	3
F	___SOCR 351 Soil Fertility Management Lab	1
S	___SOCR 370 Irrigation Principles	2
F	___SOCR 371 Irrigation of Field Crops	1
F S SS	___Ag & Resource Economics ⁵	3
F S SS	___Arts & Humanities ¹	3
F S SS	___Department Electives ⁶	3

Select one course from the following:

F S SS	___JTC 300 Technical Communication	3
F S SS	___CO 300 College Composition	3
F S SS	___CO 301B Writing in the Disciplines	3
F S SS	___BUS 300 Business Writing and Comm.	3

Select one course from the following:

F S SS	___STAT 201 General Statistics	3
F S SS	___STAT 301 Intro to Statistical Methods	3
F S SS	___STAT 307 Intro to Biostatistics	3
Total		30

SENIOR YEAR

Semesters Offered		Credits
F	___BSPM 302 Applied & General Entomology	2
F (even)	___BSPM 303C Ag. Entomology Lab	1
S	___BSPM 361 Elements of Plant Pathology	3
F	___BSPM 308 Ecology & Management of Weeds	3
F	___SOCR/CIVE 377 GIS in Ag.	3
F	___SOCR 421 Crop & Soil Mgmt. Systems II	4
F	___SOCR 492 Seminar	1
F S SS	___Ag & Resource Economics ⁵	3
F S SS	___Department Electives ⁶	3-8

Select two courses from the following:

S	___SOCR/RS 320 Forage & Range Management	3
S	___SOCR 322 Principles of Microclimatology	3
S	___SOCR 430 Apps of Plant Biotechnology	3
F	___SOCR 440 Pedology	3
F	___SOCR 455 Soil Microbiology	3
S	___SOCR/HORT 460 Plant Breeding	3

F S SS	___SOCR 486 Practicum	1
or		
F S SS	___SOCR 487 Internship	1
Total		30-34

¹Select from list of courses in category 3B in the AUCC²Satisfies 3 credit requirement in category 3C in the AUCC³Select from list of courses in category 3D in the AUCC⁴Select from list of courses in category 3E in the AUCC⁵Select from list of courses in Ag and Resource Economic Electives⁶Select from list of courses from Department Electives⁷Satisfies 3 credits of the 6 credit requirements in category 3B in the AUCC

Department Electives

Soil and Crop Sciences electives are required for the Agronomic Production Management Concentration. Choose any combination of the following suggested courses to meet this requirement:

			<u>Credits</u>
F	BC 463	Molecular Genetics	3
S (even)	BSPM 450	Molecular Plant-Microbe Int.	3
S (odd)	BSPM 451	Integrated Pest Management	3
F	BZ 346	Population & Evolutionary Genetics	3
S	BZ 402	Molecular Cytogenetics	4
S	BZ 441	Plant Physiology Lab	2
F (even)	BZ 476	Topics in Advanced Genetics	3
F S	FSHN 125	Food & Nutrition in Health	2
F S SS	FSHN 150	Survey of Human Nutrition	3
S (even)	HORT 401	Medicinal & Value – Added Uses of Plants	3
S (even)	HORT/SOCR 424	Topics in Organic Ag	3
F (even)	HORT 450	Horticulture Food Crops-Cool Season	1
		Vegetable Production	
F S SS	MIP 300	General Microbiology	3
F	MIP 450	Microbial Genetics	3
F S SS	SOCR 200	Seed Anatomy & Identification	1
F S SS	SOCR 201	Seed Develop & Metabolism	1
F S SS	SOCR 300	Seed Purity Analysis	2
F S SS	SOCR 301	Seed Germination and Viability	2
F S SS	SOCR 410	Seed Processes: Seed Storage and	1
		Deterioration	
F S SS	SOCR 411	Seed Processes: Legume Seed Production	1
F S SS	SOCR 412	Seed Processes: Separation and	1
		Conditioning	
