

DEPARTMENT OF SOIL AND CROP SCIENCES
Concentration: Soil and Crop Sciences/Interdisciplinary Minor in Organic Agriculture

Name _____ Telephone No. _____

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 Orient. to Ag. System	1
F	___ SOCR/HORT 171 ⁵ Enviro Issues in Ag	3
F S SS	___ CHEM 107 Fundamentals of Chemistry	4
F S SS	___ CHEM 108 Fundamentals of Chem Lab	1
F S SS	___ CO 150 College Composition	3
F S	___ AREC 202 ³ Ag & Resource Economics	3
F S SS	___ MATH 117 College Algebra / Context I	1
F S SS	___ MATH 118 College Algebra / Context II	1
F S SS	___ MATH 124 Log. and Exp. Function	1
F S SS	___ PH 110 ¹ Descriptive Physics	3
F S SS	___ PHIL 110 Logic & Critical Thinking	3
F S	___ BZ 120 ³ Principles of Plant Biology	4
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F	___ SOCR 100 General Crops	4
or		
F S	___ HORT 100 Horticulture Science	4
.....		
Total		32

SOPHOMORE YEAR

Semesters Offered		Credits
F S SS	___ CHEM 245 Fund of Organic Chem	4
F S SS	___ CHEM 246 Fund. of Organic Chem. Lab	1
F S	___ SOCR 240 Intro. Soil Science	4
F S SS	___ SPCM 200 Public Speak & Discuss	3
.....		
F S	___ FSHN 125 Food & Nutrition in Health	2
or		
F S SS	___ FSHN 150 Survey of Human Nutrition	3
.....		
<i>Select one of the following courses:</i>		
F	___ LIFE 220 ¹ Fund of Ecology	3
F	___ NR 120A Enviro Conservation	3
.....		
F S SS	___ Arts and Humanities ²	3
	___ Electives	9-10
Total		30

¹ Select from list of courses in category 3A after consultation with advisor.² Select from list of courses in category 3B in the AUCC³ Satisfies 3C requirement in AUCC⁴ Select from the list of courses in category 3D in the AUCC⁵ Satisfies 3E requirement in AUCC⁶ Select a course with the STAT subject code

E = Even Years

O = Odd Years

JUNIOR YEAR

Semesters Offered		Credits
F S SS	___ JTC 300 Technical Communication	3
F S SS	___ SOCR 330 Principles of Genetics	3
F	___ SOCR 350 Soil Fertility Mgmt	3
F	___ AREC 328 Small Agribusiness Mgmt	3
SS (E)	___ HORT 345/SOCR 345 Diagnostics in Organic Systems	2
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<i>Choose two of the following three groups:</i>		
F	___ BSPM 308 Ecology & Mgmt of Weeds	3
or		
F	___ BSPM 302 App & General Entomology	2
F	___ BSPM 303A-C Entomology Lab	1
or		
S	___ BSPM 361 Elements of Plant Pathology	3
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<i>Choose four of the following five courses:</i>		
S (E)	___ SOCR 341 Microbiology for Sustainable Agriculture	1
F (E)	___ SOCR 342 Organic Soil Fertility	1
F (O)	___ SOCR 343 Composting Prin & Practice	1
S (E)	___ SOCR 344 Intro to Crop Dev Techniques	1
S (E)	___ HORT 344 Organic Greenhouse Prod.	1
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F S SS	___ Historical Perspectives ⁴	3
F S SS	___ Statistics ⁶	3
Total		30-31

SENIOR YEAR

<i>Select one of the following two pairs of courses:</i>		
S	___ BZ 440 Plant Physiology	3
S	___ BZ 441 Plant Physiology, Lab	2
or		
F S SS	___ GEOL 120 Explr Earth: Phys. Geology	3
F S SS	___ GEOL 121 Intro Geology Lab	1
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F	___ SOCR 421 Crop & Soil Mgmt Syst. II	4
S (E)	___ SOCR 424/HORT 424 Topics in Org Ag	3
F	___ SOCR 492 Seminar	1
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<i>Choose two of the following five courses:</i>		
F (E)	___ HORT 450A Cool season veg prod	1
F (E)	___ HORT 450B Warm season veg prod	1
F (O)	___ HORT 450C Small fruit production	1
F (O)	___ HORT 450D Tree fruit production	1
F (E)	___ HORT 452 Viticulture I-Grape Prod	1
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F S SS	___ HORT 487 Internship	3
or		
F S SS	___ SOCR 487 Internship	3
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F S SS	___ Electives	12-13
Total		30

Elective List

Semester	Course Number	Course Name	Credits
F S	AGRI 116/IE 116	Plants and Civilizations	
S	AGRI 270/IE 270	World Interdependence—Population and Food	3
S	AGRI 330 / PHIL 330	Agricultural Issues	3
F S SS	AGRI 466	Management of On-Farm Stored Grain	1
F	AGRI 500	Advanced Issues in Agriculture	3
F S	AGRI 562	Sociology of Food Systems & Agriculture	3
F (E)	AGRI 570	Issues in Animal Agriculture	2
F S	AGRI 632	Managing for Ecosystem Sustainability	3
F S	AREC 305	Agricultural & Resource Enterprise Analysis	3
F S SS	AREC 310	Agricultural Marketing	3
F S	AREC 478	Agricultural Policy	3
S (O)	BSPM 451	Integrated Pest Management	3
S	BZ 450	Plant Ecology	4
F S SS	FSHN 496-B	Group Study in Dietetics and Nutrition – Sustainable Food Issues	1
F S SS	HORT 310	Greenhouse Management	4
S (E)	HORT 401	Medicinal and Value-Added Uses of Plants	3
F (E)	HORT 450A	Horticultural Food Crops – Cool Season Vegetable Production	1
F (E)	HORT 450B	Horticultural Food Crops – Warm Season Vegetable Production	1
F (O)	HORT 450C	Horticultural Food Crops – Small Fruit Production	1
F (O)	HORT 450D	Horticultural Food Crops – Tree Fruit Production	1
S	HORT 454	Horticultural Crop Production and Management	2
F	NR 440	Land Use Planning	3
F S	PHIL 345	Environmental Ethics	3
S	RRM 400	Food and Society	3
S	SOC 364	Agriculture and Global Society	3
F S SS	SOC 461	Water, Society and Environment	3
F	SOCR 351	Soil Fertility Lab	1
S	SOCR 370	Irrigation Principles	2
<u>Off Campus</u>			
F S SS	AGED	244 Small Gas Engine Repair & Maintenance	2