



Department of Plant and Soil Sciences

Major: Agronomy - Agricultural and Environmental Soil Science (AESS/SOSI) - 121

Catalog year 2016

Freshman Year

Fall Semester (16 hours)			Spring Semester (16 hours)		
AEC 2713	Intro to Food & Res Econ OR	3	EN 1113	English Composition II	3
EC 2113	Prin Macroeconomics OR		MA 1323	Trigonometry	3
EC 2123	Prin Microeconomics		_____	Fine Arts Elective Gen Ed	3
EN 1103	English Composition I	3	PSS 1313	Plant Science	3
CO 1003	Fund of Public Speak OR	3	CH 1223	Chemistry II	3
CO 1013	Intr Communications		CH 1221	Invest in Chem II	1
MA 1313	College Algebra	3			
CH 1213	Chemistry I	3			
CH 1211	Invest in Chem I	1			
		16			16

Sophomore Year

Fall Semester (15 hours)			Spring Semester (15 hours)		
<i>BIO 2113</i>	<i>Plant Biology OR</i>	3	CH 2313	Analytical Chemistry I	3
BIO 1144	Biology II		CH 2311	Analytical Chemistry I Lab	1
MA 1713	Calculus I	3	GG 1111	Earth Science I Lab	1
PSS 3303	Soils	3	GG 1113	Earth Science I	3
PSS 3301	Soils Lab	1	PH 1113	General Physics I	3
GR 1123	Intro World Geog	3	AELC 4203	App Comp Tech AELC OR	3
_____	Humanities Elective GenEd	3	TKT 1273	Computer Applications	
		16			14

Summer

10 Week Term		
PSS 3423	Agronomy Internship	3

Junior Year

Fall Semester (16 hours)			Spring Semester (15 hours)		
AELC 3203	Prof Writ ANRH Sci	3	<i>BIO 4214</i>	<i>General Plant Physiology OI</i>	3
ST 3123	Intro to Stat Inference	3	<i>PSS 4113</i>	<i>Ag Crop Physiology</i>	
BIO 3304	General Microbiology	4	<i>PSS 4313</i>	<i>Soil Fertility</i>	3
PH 1123	General Physics II	3	PSS 4314	Microbiol/Ecology of Soils	4
_____	Restricted Elective	3	_____	Restricted Elective	3
		16			13

Senior Year

Fall Semester (15 hours)			Spring Semester (12 hours)		
CH 4513	Organic Chemistry I	3	CH 4523	Organic Chemistry II	3
<i>PSS 4323</i>	<i>Soil Classification</i>	3	<i>PSS 4333</i>	<i>Soil Conservation</i>	3
<i>PSS 4603</i>	<i>Soil Chemistry</i>	3	_____	Restricted Elective	3
_____	Humanities Elective GenEd	3	_____	Restricted Elective	3
_____	Restricted Elective	3			
		15			12

◆◆ Courses printed in italic are taught only in the Fall or Spring semester, as listed. ◆◆

Students are required to make a "C" or better in all required PSS courses

¥ PSS Agronomy: SOSI Restricted Elective (See listing on back.)

Agronomy: Agricultural and Environmental Soil Sciences (AESS/SOSI)

Restricted Electives: 15 Hours Required

ABE 4263	Soil and Water Management
ADS 1114	Animal Science
AEC 3133	Intro to Agribusiness Management
BCH 4013	Principles of Biochemistry
BIO 4213	Plant Ecology
BIO 4404	Environmental Microbiology
CH 3213	Inorganic Chemistry
CH 4303	Environmental Chemistry
CH 4404	Biophysical Chemistry
CH 4413	Thermodynamics and Kinetics
EPP 2213	Introduction to Insects
<i>EPP 4113</i>	<i>Principles of Plant Pathology*</i>
GG 3133	Intro Environmental Geology
GG 4114	Mineralogy
GG 4304	Prin. Sedimentary Deposits I
GG 4503	Geomorphology
GR 2313	Maps and Remote Sensing
GR 3113	Conserv. Natural Resources
GR 4603	Climatology
MA 1723	Calculus II
<i>PSS 3133</i>	<i>Introduction to Weed Sciences*</i>
<i>PSS 4103</i>	<i>Forage and Pasture Crops*</i>
<i>PSS 4123</i>	<i>Grain Crops#</i>
<i>PSS 4133</i>	<i>Fiber and Oilseed Crops#</i>
<i>PSS 4223</i>	<i>Seed Production*</i>
<i>PSS 4373</i>	<i>Geospatial Ag Management*</i>
<i>PSS 4413</i>	<i>Turf Management*</i>
<i>PSS 4483</i>	<i>Intro to Remote Sensing Tech</i>
<i>PSS 4553</i>	<i>Plant Growth and Development*</i>

* *Fall course offering*

Spring course offering