



**MISSISSIPPI STATE UNIVERSITY™**  
**COLLEGE OF AGRICULTURE  
 AND LIFE SCIENCES**

Department of Plant and Soil Sciences

**Major: Agronomy - Integrated Crop Management (ICM) - 124**

Catalog year 2023

**Freshman Year**

Fall Semester			Spring Semester		
AEC 2713	Intro to Food & Res Econ OR	3	EN 1113	English Composition II OR	3
EC 2113	Prin Macroeconomics OR		EN 1173	Accelerated Comp. II	
EC 2123	Prin Microeconomics		EPP 2213	Intro to Insects	3
EN 1103	English Composition I OR	3	CH 1053	Survey of Chemistry II OR	3
EN 1104	Expanded English Comp I		CH 1223	Chemistry II	
CO 1003	Fund of Public Speak OR	3	CH 1051	Experimental Chem OR	1
CO 1013	Intr Communications		CH 1211	Invest in Chemistry I	
CH 1043	Survey of Chemistry OR	3	PSS 1313	Plant Science	3
CH 1213	Chemistry I		_____	Fine Arts Elective Gen Ed	3
_____	Math Elective Gen Ed	3			
		15			16

**Sophomore Year**

Fall Semester			Spring Semester		
PSS 3301	Soils Lab	1	CH 2503	Elementary Org Chemistry	3
PSS 3303	Soils	3	CH 2501	Elementary Org Chem Lab	1
BIO 2113	Plant Biology OR	3	PSS 4313	Soil Fertility	3
BIO 1144	Biology II		_____	Humanities Elective Gen Ed	3
AEC 1223	Comp Appl Ag Life Sci OR	3	_____	Social Science Elective Gen Ed	3
AELC 4203	App Comp Tech AELC		_____	Restricted Elective	3
_____	Humanities Elective Gen Ed	3			
		13			16

**Summer**

10 Week Term		
PSS 3423	Agronomy Internship	3

**Junior Year**

Fall Semester			Spring Semester		
PSS 3133	Intro to Weed Science	3	PSS 4113	Ag Crop Physiology OR	3
BCH 4013	Princ of Biochemistry	3	BIO 4214	General Plant Physiology	
AELC 3203	Prof Writ ANRH Sci	3	PSS 4123	Grain Crops	3
AEC 3133	Intro Agribusiness Mgt	3	PSS 4493	Plant Genetics OR	3
_____	Restricted Elective	3	PO 3103	Genetics I	
			_____	Restricted Elective	3
			_____	Business Elective	3
		15			15

**Senior Year**

Fall Semester			Spring Semester		
EPP 4113	Principles of Plt Pathology	3	BIO 3304	General Microbiology	4
PSS 4133	Fiber and Oilseed Crops	3	PSS 4103	Forage and Pasture Crops	3
_____	Restricted Elective	3	_____	Restricted Elective	3
_____	Restricted Elective	3	_____	Restricted Elective	3
_____	Restricted Elective	3	_____	Unrestricted (Free) Elective	3
		15			16

◆◆ 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: ICM Business and Restricted Electives (See listing on back.)

## Agronomy: Integrated Crop Management

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### **Business Elective: 3 hours required**

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AEC 2223	Sustainability Economics
AEC 3233	Int. Environmental Economics & Policy
AEC 3413	Int. Food Marketing
MKT 3013	Marketing

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### **Restricted Electives: 24 Hours Required**

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<i>ABE 3513</i>	<i>GPS/GIS - Ag &amp; Eng#</i>
<i>EPP 4163</i>	<i>Plant Disease Management#</i>
<i>EPP 4234</i>	<i>Field Crop Insects*</i>
<i>EPP 4263</i>	<i>Principles Insect Pest Management#</i>
GA 1111	Survey of Agriculture
MA 1313	College Algebra
PH 1113	General Physics I
PSS 2343	Plant Materials I
PSS 2543	Precision Agriculture I
<i>PSS 3043</i>	<i>Fruit Science*</i>
<i>PSS 3633</i>	<i>Sustainable and Organic Horticulture*</i>
<i>PSS 3923</i>	<i>Plant Propagation#</i>
<i>PSS 4153</i>	<i>Sustainable Agroecology#</i>
<i>PSS 4223</i>	<i>Seed Production*</i>
<i>PSS 4314</i>	<i>Microbiology Ecology of Soil#</i>
<i>PSS 4323</i>	<i>Soil Classification*</i>
<i>PSS 4333</i>	<i>Soil Conseration and Land Use#</i>
<i>PSS 4343</i>	<i>Control Environmental Agriculture*</i>
<i>PSS 4363</i>	<i>Sustainable Nursery Production#</i>
<i>PSS 4373</i>	<i>Geospatial Ag Management*</i>
PSS 4383	Ag Remote Sensing I
PSS 4393	Ag Remote Sensing II
<i>PSS 4413</i>	<i>Turf Management*</i>
<i>PSS 4453</i>	<i>Vegetable Production*</i>
<i>PSS 4473</i>	<i>Hydroponic and Soilless Crops</i>
<i>PSS 4483</i>	<i>Intro to Remote Sensing Tech*</i>
<i>PSS 4503</i>	<i>Plant Breeding*</i>
<i>PSS 4553</i>	<i>Plant Growth and Development*</i>
<i>PSS 4603</i>	<i>Soil Chemistry*</i>
<i>PSS 4633</i>	<i>Weed Biology and Ecology#</i>
PSS 4733	Ag Flight Tech I
PSS 4800	Undergraduate Research in PSS
<i>PSS 4813</i>	<i>Herbicide Technology#</i>

*\* Fall course offering*

*# Spring course offering*