



MISSISSIPPI STATE UNIVERSITY™
COLLEGE OF AGRICULTURE
AND LIFE SCIENCES

Department of Plant and Soil Sciences

Major: Horticulture - Food Innovation, Safety, and Quality (FISQ) - 124 Hours

Catalog year 2025

Freshman Year

Fall Semester (16 hours)			Spring Semester (16 hours)		
EN 1103	English Composition I OR	3	EN 1113	English Composition II OR	3
EN 1104	Expanded Eng Comp I		EN 1173	Accelerated Comp II	
PSS 1313	Plant Science	3	CH 1053	Survey of Chemistry II OR	3
CH 1043	Survey of Chemistry I OR	3	CH 1223	Chemistry II	
CH 1213	Chemistry I		CH 1051	Experimental Chem OR	1
AEC 2713	Intro Food&Res Econ OR	3	CH 1211	Investigations in Chem	
EC 2113	Macroeconomics OR		MA 2113	Intro to Stats OR	3
EC 2123	Microeconomics		ST 2113	Intro to Stats	
_____	Fine Art Elective	3	ACC 2013	Prin Financial Account	3
			_____	Restricted Elective	3
		15			16

Sophomore Year

Fall Semester (15 hours)			Spring Semester (16 hours)		
<i>BIO 2113</i>	<i>Plant Biology OR</i>	3	CO 1003	Fund of Public Speaking OR	3
BIO 1144	Biology II		CO 1013	Intro to Communications	
FLS 1113	Spanish I	3	<i>PSS 3923</i>	<i>Plant Propagation</i>	3
<i>AEC 1223</i>	<i>Comp Applications in Ag</i>	3	<i>CH 2501</i>	<i>Elem Org Chemistry Lab</i>	1
PSS 3301	Soils Lab	1	<i>CH 2503</i>	<i>Elem Org Chem</i>	3
PSS 3303	Soils	3	FLS 1123	Spanish II	3
EPP 3423	Ornamental Turf Insects	3			
		16			13

Summer

Summer Semester		
FNH 4480	Internship	3

Junior Year

Fall Semester (15 hours)			Spring Semester (15 hours)		
AEC 3133	Intro Agribusiness Mgt	3	PSS 4493	<i>Plant Genetics</i>	3
BIO 3304	General Microbiology	3	<i>MKT 3013</i>	<i>Princ of Marketing</i>	3
<i>FNH 4114</i>	<i>Analysis Food Prod</i>	4	GNH 4414	<i>Microbiol of Foods</i>	4
<i>EPP 4113</i>	<i>Princ.Plant Pathology</i>	3	_____	Food Production Elective	3
_____	Soc. Behavioral Science elec.	3	_____	Restricted Elective	3
		16			16

Senior Year

Fall Semester (12 hours)			Spring Semester (15 hours)		
<i>AELC 3203</i>	<i>Prof Writ ANRH Sci</i>	3	<i>FNH 4333</i>	<i>Food Law</i>	3
FNH 4164	Qual Ass Food Prod	4	<i>PSS 4113</i>	<i>Ag Crop Physiology OR</i>	3
FNH 4241	Appl Food Chemistry	1	<i>BIO 4214</i>	<i>General Plant Physiology</i>	
FNH 4243	Food Comp & React.	3	FNH 4583	Food Pres Technol	3
_____	Food Production Elective	3	_____	Food Production Elective	3
			_____	Restricted Elective	3
		14			15

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

Students must earn a "C" or better in all required PSS Courses

¥ PSS Horticulture: FRVP Restricted Electives (See listing on back.)

Horticulture: Food Innovation, Safety, and Quality

Restricted Electives: 8 Hours Required

BCH 4013	Principles of Biochemistry
EPP 4163	Plant Disease Management#
EPP 4263	Princ Insect Pest Management#
FNH 2112	Food Products Evaluation
FNH 3313	Intro to Meat Science
FNH 3311	Intro to Meat Science Lab
FNH 4514	Poultry Processing
FNH 4193	Social-Cultural Aspects of Food
FNH 4593	New Food Product Development
MA 1313	College Algebra
PSS 3133	Intro Weed Science
PSS 2323	Horticulture Impacts on Society
PSS 3511	Seminar
PSS 3553	Wines and Vines
PSS 4000	Directed Individual Study
PSS 4153	Sustainable Agroecology
PSS 4314	Micro and Ecology of Soil
PSS 4553	Plant Growth and Development
PSS 4800	Undergraduate Research in PSS
GA 4800	<i>Undergraduate Research</i>

* *Fall course offering*

Spring course offering