SPECIALTY AGRICULTURE, B.S.

- General Education Course

- Milestone course: a key success marker for your major. See your advisor to discuss the importance of this course in your plan of study.

Major

The Core Curriculum is designed to foster critical thinking skills and introduce students to basic domains of thinking that transcend disciplines. The Core applies to all majors. Information on specific classes in the Core can be found at https://www.marshall.edu/gened/.

Code	Title	Credit Hours
Core Curriculum		
Core 1: Critical Thinking		
FYS 100	First Yr Sem Critical Thinking	3
NRE 220	Human Dimensions of Nat Res	3
NRE 120	Discussions in Envrion Science	3
Core 2		
ENG 101	Beginning Composition	3
ENG 201	Advanced Composition	3
CMM 103	Fund Speech-Communication	3
Select one of the following:		4
MTH 140	Applied Calculus	
MTH 229	Calculus/Analytic Geom I (CT)	
Core II Humanities		3
Core II Social Science		3
GEO 222	Global Environment Issues (CT) (recommended)	
Core II Fine Arts		3
Core II Physical/Natural Science		4
Additional University Requirements		
Writing Intensive		3
GEO 222	Global Environment Issues (CT) (recommended)	
Writing Intensive		3
Multicultural or International		3
GEO 222	Global Environment Issues (CT) (recommended)	
Department Requirements		
IST 150	Spreadsheet & Database Prin	3
NRE 120	Discussions in Envrion Science	3
NRE 220	Human Dimensions of Nat Res	3
NRRM 101	Intro Natural Res & Rec Mgmt	3
NRE 490	ES/NRRM Capstone Prep	3
NRE 470	ES Internship	3
or NRE 491	ES Senior Capstone	
NRRM 200	Analytical Methods: Statistics	4
Major-Specific Requirements		
BSC 120	Principles of Biology	4
BSC 121	Principles of Biology	4
CHM 211	Principles of Chemistry I	3
CHM 212	Principles Chemistry II	3
CHM 217	Principles of Chem Lab I	2
CHM 218	Principles of Chem Lab II	2
ENT 360	Intro to Entrepreneurship	3
MGT 320	Principles of Management	3
NRE 322	Assess I: Terrestrial Systems	4
NRE 323	Assessment II: Aquatic Ecology	4
NRE 200	Introduction to Agriculture	3
NRE 300	Principles of Soil Science	3
NRE 301	Principles of Soil Science Lab	2
NRE 302	Animal Production	3
NRE 401	Horticulture	4
NRE 402	Sustainable Agriculture	3
NRE 403	Agricultural Entomology	4
Major-Specific Electives		**12-14**

In consultation with the NRE/COS advisors, students will select electives from Marshall University offerings best suited to prepare students to apply for the following fields or professional credentials: nutrient management certification, outreach and education, agritourism, agribusiness, soil science professional, soil health, food security, animal production, and crop production. The student will select these electives in consultation with NRE/COS advisors to reach to 120 credit hours required for graduation. Additional electives may be used to satisfy general education requirements (e.g., writing intensive). A minimum of 40 hours must be 300-400 level courses. Below is a list of courses that could be considered; however, the list is not exhaustive and other courses can be considered based on consultation between the student and NRE/COS advisors.

Nutrient Management	
GEO 101	Physical Geography (CT)
GEO 222	Global Environment Issues (CT)
GLY 455	Hydrogeology
NRE 423	GIS and Data Systems
NRE 425	Water Policy and Regulations
NRE 400	Soil Fertility/Plant Nutrition
Soil Health/Soil Science	
BSC 320	Principles of Ecology
BSC 445	Microbial Ecology
GEO 101	Physical Geography (CT)
GLY 200	The Dynamic Earth
GLY 314	Mineralogy
GLY 455	Hydrogeology
NRE 423	GIS and Data Systems
NRE 400	Soil Fertility/Plant Nutrition
Food Security	
DTS 202	Introductory Foods
DTS 210	Nutrition
DTS 301	FS Safety & Systems Mgt I
DTS 302	FS Safety & Sys Mgt II
DTS 410	Cross Cultural Foods
GEO 222	Global Environment Issues (CT)
HST 390	Food in World History
HST 392	Food Markets and Modernity

Crop Production	
BSC 302	Principles of Microbiology
BSC 320	Principles of Ecology
BSC 322	Principles Cell Biology
BSC 324	Principles of Genetics
BSC 416	Plant Taxonomy
BSC 420	Plant Physiology
BSC 430	Plant Ecology
GEO 222	Global Environment Issues (CT)
HST 392	Food Markets and Modernity
NRE 425	Water Policy and Regulations
NRE 400	Soil Fertility/Plant Nutrition
Animal Production	
BSC 301	Vertebrate Embryology
BSC 302	Principles of Microbiology
BSC 320	Principles of Ecology
BSC 322	Principles Cell Biology
BSC 324	Principles of Genetics
BSC 401	Ichthyology
BSC 408	Ornithology
BSC 409	Mammalogy
BSC 422	Animal Physiology
BSC 424	Animal Parasitology
NRE 425	Water Policy and Regulations
GEO 222	Global Environment Issues (CT)
HST 392	Food Markets and Modernity
NRE 425	Water Policy and Regulations
NRE 400	Soil Fertility/Plant Nutrition
NRE 425	Water Policy and Regulations
NRE 400	Soil Fertility/Plant Nutrition
Agritourism	
ENT 320	Marketing for Entrepreneurs
MKT 231	Principles of Selling
MKT 340	MKT Concepts and Applications
NRRM 360	Tourism Planning & Management
NRRM 362	Ecotourism: Admin and Mgmt
Education and Outreach	
CI 248	Intro to Science Elem Ed
EDF 201	Ed Psych Developing Learner
GEO 222	Global Environment Issues (CT)
NRRM 231	Nature Study
NRRM 310	Environmental Interpretation
NRRM 311	Intro to Environmental Educ
Agribusiness	
DTS 202	Introductory Foods
HST 390	Food in World History
MKT 231	Principles of Selling
MKT 340	MKT Concepts and Applications

Major Information

- **Capstone Experience:** It is the responsibility of each student to consult his/her advisor regarding details of meeting the capstone requirement. The Capstone for this degree is completed in the summer.
- Students are required to know and track their degree requirements for graduation or for entrance to a professional school.
- Coursework listed as "elective" may vary for each student. Students are encouraged to use elective hours toward a minor or toward prerequisites.
- Students are strongly encouraged to select courses that meet two or more Core or College requirements. For example, a writing intensive literature course could satisfy the Core II Humanities requirement as well as the university writing intensive requirement.
- Course offerings and course attributes are subject to change each semester. Please consult each semester's schedule of courses for availability and attributes.
- Minimum 2.0 overall and MU and in all NRRM coursework required for graduation.
- Minimum of 120 hours (40 upper level) required for graduation.