

# SPECIALTY AGRICULTURE

## REQUIREMENTS

### CORE CURRICULUM

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 [marshall.edu/gened](http://marshall.edu/gened).

#### CORE 1: CRITICAL THINKING

CODE	COURSE NAME	HRS	GRADE
FYS 100	First Year Seminar	3	_____
NRE 220	Critical Thinking Course	3	_____
NRE 120	Critical Thinking Course	3	_____

#### CORE 2:

CODE	COURSE NAME	HRS	GRADE
ENG 101	Beginning Composition	3	_____
ENG 201	Advanced Composition	3	_____
CMM 103	Fund Speech-Communication	3	_____
MTH 140	Applied Calculus (or MTH 229)	3-5	_____
BSC 120/L	Principles of Biology I / Lab	3/1	_____
_____	Core II Humanities	3	_____
_____	Core II Social Science	3	_____
_____	Core II Fine Arts	3	_____

#### Additional University Requirements

_____	Writing Intensive	3	_____
_____	Writing Intensive	3	_____
_____	Multicultural or International	3	_____
NRE 470/491	Capstone	3	_____

### DEPARTMENT AND MAJOR-SPECIFIC

Students who wish to major in Specialty Agriculture must take the following courses:

CODE	COURSE NAME	HRS	GRADE	CODE	COURSE NAME	HRS	GRADE
CIT 150	Spreadsheet & Database Prin	3	_____	NRE 322	Assess I: Terrestrial Systems	4	_____
NRE 120	Discussion in Environ Sci (CT)	3	_____	NRE 323	Assessment II: Aquatic Ecology	4	_____
NRE 220	Human Dimensions Nat Res (CT)	3	_____	NRE 200	Introduction to Agriculture	3	_____
NRE 490	ES/NRRM Capstone Prep	3	_____	NRE 300	Principles of Soil Science	3	_____
NRE 470/491	Capstone	3	_____	NRE 301	Principles of Soil Science Lab	2	_____
NRRM 200	Analytical Methods: Statistics	4	_____	NRE 302	Animal Production	3	_____
BSC 120/L	Principles of Biology I / Lab	3/1	_____	NRE 401	Horticulture	4	_____
BSC 121/L	Principles of Biology II / Lab	3/1	_____	NRE 402	Sustainable Agriculture	3	_____
CHM 211	Principles of Chemistry I	3	_____	NRE 403	Agricultural Entomology	4	_____
CHM 217	Principles of Chem Lab I	2	_____	_____	Major Specific Elective	4	_____
CHM 212	Principles of Chemistry II	3	_____	_____	Major Specific Elective	4	_____
CHM 218	Principles of Chem Lab II	2	_____	_____	Major Specific Elective	4	_____
ENT 360	Intro to Entrepreneurship	3	_____	_____	Major Specific Elective	3	_____
MGT 320	Principles of Management	3	_____	_____	Major Specific Elective	3	_____

### MAJOR INFORMATION

- Capstone Experience: It is the responsibility of each student to consult his/her advisor regarding details of meeting the capstone requirement.
- 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 GPA required for graduation.
- Minimum of 120 hours (40 upper level) required for graduation.
- In consultation with the NRE/COS advisors, students will select electives from Marshall University offerings best suited to prepare students for future endeavors. Students interested in specific fields or professional credentials, such as nutrient management, outreach and education, ecotourism, agriculture commodities broker, soil science, soil health, food security, livestock production, or crop production, should speak with their NRE faculty advisor to discuss electives. The student will select electives 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. 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.

● General Education Requirement ■ College Requirement ◆ Major Requirement ● Area of Emphasis

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

# SPECIALTY AGRICULTURE

Specialty Agriculture in this context refers to sustainable, high-yield agriculture that can be economically sustainable in mountainous regions and small land areas. The Bachelor of Science in Specialty Agriculture provides educational opportunities in agriculture, agribusiness, and agrotourism, covering both traditional and sustainable agricultural sciences. New and emerging technologies for high yield and specialty agriculture are emphasized, as they will improve agribusiness outcomes for smaller farms that are characteristic of the region. Focus of the major includes, but is not limited to, the agricultural aspects of greenhouse production, hydroponics, precision farming, urban agriculture, community gardens, and specialty crop production.

YEAR ONE	FALL SEMESTER				SPRING SEMESTER			
	CODE	COURSE NAME	HRS	GRADE	CODE	COURSE NAME	HRS	GRADE
	CIT 150	Spreadsheet & Database Prin	◆	3	ENG 201	Advanced Composition	●	3
	NRE 120	Discussion in Environ Sci (CT)	●◆	3	CMM 103	Fund Speech-Communication	●	3
	MTH 140	Applied Calculus (or MTH 229)	●	3	BSC 120/L	Principles of Biology I / Lab	●◆	3/1
	ENG 101	Beginning Composition	●	3	GEO 222	Global Environment Issues (CT, WI)	●◆	3
	FYS 100	First Year Sem Crit Thinking	●	3	NRE 220	Human Dimensions Nat Res (CT)	●◆	3
	UNI 100	Freshman First Class		1				
	<b>TOTAL HOURS</b>			<b>16</b>	<b>TOTAL HOURS</b>			<b>16</b>

Summer Term (optional):

YEAR TWO	FALL SEMESTER				SPRING SEMESTER			
	CODE	COURSE NAME	HRS	GRADE	CODE	COURSE NAME	HRS	GRADE
	CHM 211	Principles of Chemistry I	◆	3	BSC 121/L	Principles of Biology II / Lab	◆	3/1
	CHM 217	Principles of Chem Lab I	◆	2	CHM 212	Principles of Chemistry II	◆	3
	_____	Core II Humanities (WI)	●	3	CHM 218	Principles of Chem Lab II	◆	2
	_____	Core II Fine Arts	●	3	NRRM 200	Analytical Methods: Statistics	◆	4
	NRE 200	Introduction to Agriculture	◆	3	NRE 302	Animal Production	◆	3
	<b>TOTAL HOURS</b>			<b>14</b>	<b>TOTAL HOURS</b>			<b>16</b>

Summer Term (optional):

YEAR THREE	FALL SEMESTER				SPRING SEMESTER			
	CODE	COURSE NAME	HRS	GRADE	CODE	COURSE NAME	HRS	GRADE
	NRE 323	Assessment II: Aquatic Ecology	◆	4	NRE 490	ES/NRRM Capstone Prep	◆	3
	NRE 300	Principles of Soil Science	◆	3	NRE 322	Assess I: Terrestrial Systems	◆	4
	NRE 301	Principles of Soil Science Lab	◆	2	MGT 320	Principles of Management	◆	3
	NRE 403	Agricultural Entomology	◆	4	_____	Major Specific Elective	◆	4
	_____	Major Specific Elective	◆	4				
	<b>TOTAL HOURS</b>			<b>17</b>	<b>TOTAL HOURS</b>			<b>14</b>

Summer Term (optional):

YEAR FOUR	FALL SEMESTER				SPRING SEMESTER			
	CODE	COURSE NAME	HRS	GRADE	CODE	COURSE NAME	HRS	GRADE
	NRE 402	Sustainable Agriculture	◆	3	NRE 470	ES Internship (or NRE 491)	◆	3
	ENT 360	Intro to Entrepreneurship	◆	3	NRE 401	Horticulture	◆	4
	_____	Major Specific Elective	◆	3	_____	Major Specific Elective	◆	4
	_____	Major Specific Elective	◆	4	_____	Major Specific Elective	◆	3
	<b>TOTAL HOURS</b>			<b>13</b>	<b>TOTAL HOURS</b>			<b>14</b>

Summer Term (optional):

● General Education Requirement ■ College Requirement ◆ Major Requirement ● Area of Emphasis

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