

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.

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	Principles of Biology	4	_____
_____	Core II Humanities	3	_____
GEO 222	Global Environment Issues (CT)	3	_____
_____	Core II Fine Arts	3	_____

Additional University Requirements

GEO 222	Writing Intensive	3	_____
_____	Writing Intensive	3	_____
GEO 222	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
IST 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	Principles of Biology	4	_____	NRE 401	Horticulture	4	_____
BSC 121	Principles of Biology	4	_____	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. 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 GPA required for graduation.
- Minimum of 120 hours (40 upper level) required for graduation.
- Major Specific Electives: 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.

● 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.

FALL SEMESTER					SPRING SEMESTER					
CODE	COURSE NAME	HRS	GRADE		CODE	COURSE NAME	HRS	GRADE		
YEAR ONE	IST 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	Principles of Biology	●◆	4	_____
	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	_____					
TOTAL HOURS				16	TOTAL HOURS				16	
Summer Term (optional):										
FALL SEMESTER					SPRING SEMESTER					
CODE	COURSE NAME	HRS	GRADE		CODE	COURSE NAME	HRS	GRADE		
YEAR TWO	CHM 211	Principles of Chemistry I	◆	3	_____	BSC 121	Principles of Biology	◆	4	_____
	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	_____
TOTAL HOURS				14	TOTAL HOURS				16	
Summer Term (optional):										
FALL SEMESTER					SPRING SEMESTER					
CODE	COURSE NAME	HRS	GRADE		CODE	COURSE NAME	HRS	GRADE		
YEAR THREE	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	_____					
TOTAL HOURS				17	TOTAL HOURS				14	
Summer Term (optional):										
FALL SEMESTER					SPRING SEMESTER					
CODE	COURSE NAME	HRS	GRADE		CODE	COURSE NAME	HRS	GRADE		
YEAR FOUR	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	_____
TOTAL HOURS				13	TOTAL HOURS				14	
Summer Term (optional):										

● Area of Emphasis

◆ Major Requirement

■ College Requirement

● General Education Requirement

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.