CONSERVATION AND WILDLIFE, EMPHASIS

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Website: https://www.marshall.edu/cos/nres/

Conservation and Wildlife, Emphasis

- 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.

Course Requirements

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
MTH 140	Applied Calculus	3
Core II Humanities		3
Core II Social Science		3
Core II Fine Arts		3
BSC 120	Principles of Biology I (Physical/Natural Science Elective)	3
BSC 120L	Principles of Biology I Lab	1
Additional University Requirements		
Writing Intensive		3
Writing Intensive		3
Multicultural or International		3
Capstone		3
NRE 470	ES Internship	
or NRE 491	ES Senior Capstone	
Major-Specific		
CIT 150	Spreadsheet and Database Apps	3
MTH 140	Applied Calculus	3
NRE 120	Discussions in Envrion Science (CT)	3
NRE 220	Human Dimensions of Nat Res (CT)	3
CHM 211	Principles of Chemistry I	3
CHM 217	Principles of Chem Lab I	2
CHM 212	Principles Chemistry II	3
CHM 218	Principles of Chem Lab II	2
NRRM 200	Analytical Methods: Statistics	4
NRE 323	Assessment II: Aquatic Ecology	4
NRE 423	GIS and Data Systems	3
NRE 425	Water Policy and Regulations	3
NRE 470	ES Internship (Senior Project)	3
or NRE 491	ES Senior Capstone	
NRE 490	ES/NRRM Capstone Prep	3
Area of Emphasis-Specific		
BSC 120	Principles of Biology I	3
BSC 120L	Principles of Biology I Lab	1
BSC 121	Principles of Biology II	3
BSC 121L	Prin of Biology II Lab	1
PHY 201	College Physics I	3
PHY 202	General Physics I Laboratory	1
PHY 203	College Physics II	3
PHY 204	General Physics 2 Laboratory	1
BSC 320	Principles of Ecology	4
or NRE 322	Assess I: Terrestrial Systems	
Major Elective		4
Major Elective		4
Major Elective		3
Major Elective		3
Major Elective		3
Major Elective		3
Free Elective		3
Free Elective		3
Free Elective		3
Free Elective		3
Free Elective		2

Major Information

- In addition to the Core General Education requirements, the College of Science requires 3 hours of Calculus, 8 additional hours of Natural or Physical Science, and 40 hours of upper level credit.
- Coursework listed as "elective" may vary for each student. Students are encouraged to use elective hours toward a 2nd 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.
- MTH 140 Applied Calculus is based on an ACT Mathematics score of 24 or higher. Students with an ACT Mathematics score less than

24 will be placed in the appropriate mathematics and science courses.

- Electives: In consultation with the COS advisors, students will select electives from the College of Science offerings best suited to prepare students to apply for professional credentials as a certified ecologist, certified wildlife biologist, or certified fisheries professional. Once a student has satisfied all of the requirements for one of these certifications, he or she should select additional electives in consultation with NRE/COS advisers to reach the 120 credit hours required for graduation. Additional electives may be used to satisfy general education requirements (e.g., writing intensive) and/or to fulfill the requirements of a second major, minor, or certificate.

- General Education Course

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Semester Plan

First Year

First Semester		**Credit Hours**
CIT 150	Spreadsheet and Database Apps	3
NRE 120	Discussions in Envrion Science	3
MTH 140	Applied Calculus	3
ENG 101	Beginning Composition	3
FYS 100	First Yr Sem Critical Thinking	3
UNI 100	Freshman First Class	1
	Credit Hours	**16**
Second Semester		
ENG 201	Advanced Composition	3
CMM 103	Fund Speech-Communication	3
BSC 120	Principles of Biology I	3
BSC 120L	Principles of Biology I Lab	1
NRE 220	Human Dimensions of Nat Res (CT)	3
Core II Humanities (WI)		3
	Credit Hours	**16**

Second Year

First Semester		
CHM 211	Principles of Chemistry I	3
CHM 217	Principles of Chem Lab I	2
Free Elective		3
Core II Fine Arts		3
Core II Social Science (M/I)		3
	Credit Hours	**14**
Second Semester		
BSC 121	Principles of Biology II	3
BSC 121L	Prin of Biology II Lab	1
CHM 212	Principles Chemistry II	3
CHM 218	Principles of Chem Lab II	2
NRRM 200	Analytical Methods: Statistics	4
Free Elective		3
	Credit Hours	**16**

Third Year

First Semester		
NRE 323	Assessment II: Aquatic Ecology	4
NRE 423	GIS and Data Systems	3
PHY 201	College Physics I	3
PHY 202	General Physics I Laboratory	1
Major Elective		4
	Credit Hours	**15**
Second Semester		
BSC 320 or NRE 322	Principles of Ecology or Assess I: Terrestrial Systems	4
PHY 203	College Physics II	3
PHY 204	General Physics 2 Laboratory	1
NRE 490	ES/NRRM Capstone Prep	3
Writing Intensive		3
	Credit Hours	**14**

Fourth Year

First Semester		
NRE 425	Water Policy and Regulations	3
Major Elective		3
Major Elective		3
Free Elective		3
Free Elective		2
	Credit Hours	**14**
Second Semester		
NRE 470 or NRE 491	ES Internship (Senior Project) or ES Senior Capstone	3
Major Elective		4
Major Elective		3
Major Elective		3
Free Elective		2
	Credit Hours	**15**
	Total Credit Hours	**120**