# NATURAL RESOURCES AND RECREATION MANAGEMENT, B.S.

The B.S in Natural Resources and Recreation Management provides students with comprehensive knowledge and background associated with planning, management and monitoring of natural and outdoor recreation resources.  The technical skillsets emphasized in Global Positioning Systems (GPS), Geographic Information Systems (GIS) & Remote Sensing (RS), and technological instrumentation set our graduates apart and support their success in professional careers or graduate education.

🦬 - 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.

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/.

Course Requirements

🦬 - General Education Course

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| 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 127 🦬 🎓 | College Algebra-Expanded | |
| MTH 130 🦬 | College Algebra | |
| MTH 160 🦬 | Applied Math Reasoning (CT) | |
| Core II Humanities | | 3 |
| Core II Social Science | | 3 |
| Core II Fine Arts | | 3 |
| Core II Physical/Natural Science | | 4 |

| Code | Title | Credit Hours |
|---|---|---|
| *Additional University Requirements* | | |
| Writing Intensive | | 3 |
| Writing Intensive | | 3 |
| Multicultural or International | | 3 |
| NRRM 490 🦬 | Internship (Capstone) | 6 |
| **Major-Specific** | | |
| NRRM 101 🎓 | Intro Natural Res & Rec Mgmt | 3 |
| NRE 120 🦬 | Discussions in Envrion Science | 3 |
| CIT 150 | Spreadsheet and Database Apps | 3 |
| NRE 423 | GIS and Data Systems | 3 |
| NRRM 200 | Analytical Methods: Statistics | 4 |
| NRE 111 🦬 | Living Systems | 4 |
| NRRM 380 | Rec Resource Oper. and Admin | 3 |
| NRE 220 🦬 | Human Dimensions of Nat Res | 3 |
| NRRM 350 🎓 | Adventure Education Leadership | 3 |
| NRRM 361 | Visitor Behavior in NRRM | 3 |
| NRRM 405 | Park & Recreation Ecology | 3 |
| NRRM 411 🎓 | Rec Resource Planning & Design | 3 |
| NRRM 310 | Environmental Interpretation | 3 |
| NRRM 432 | Wilderness/Protected Area Mgmt | 3 |
| NRRM 402 | Research Eval & Assess in NRRM | 3 |
| NRRM 433 | GIS/RS in Natural Resources | 3 |
| NRE 490 | ES/NRRM Capstone Prep | 3 |
| NRRM 490 🦬 | Internship (Capstone) | 6 |
| 300/400 NRRM Elective | | 3 |
| 300/400 NRRM Elective | | 3 |
| 300/400 NRRM Elective | | 3 |
| Free Elective | | 3 |
| Free Elective | | 3 |
| Free Elective | | 3 |
| Free Elective | | 3 |
| Free Elective | | 2 |

## 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.

🦬 - 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.

# Semester Plan

The Department of Natural Resources and Earth Sciences offers a B.S. in Natural Resources and Recreation Management. The NRRM program is focused on the management of natural resource and recreation areas such as parks, forests, coastal areas, and other natural areas located on public and private lands. The NRRM program offers an interdisciplinary Bachelor of Science degree, in which students will study the fields of natural resource management, recreation and leisure studies, environmental science, biology, sociology, psychology, and business. The program prepares qualified professionals for employment with municipal, state, or national park and recreation agencies, the US Forest Service, the US Army Corps of Engineers, nature centers, and a variety of tourism entities to name a few.

## First Year

### First Semester

| | | Credit Hours |
|---|---|---|
| NRRM 101 🎓 | Intro Natural Res & Rec Mgmt | 3 |
| NRE 120 🦬 | Discussions in Envrion Science (CT) | 3 |
| FYS 100 | First Yr Sem Critical Thinking | 3 |
| ENG 101 🦬 🎓 | Beginning Composition | 3 |
| Core II Fine Arts | | 3 |
| UNI 100 | Freshman First Class | 1 |
| | **Credit Hours** | **16** |

### Second Semester

| | | |
|---|---|---|
| CIT 150 | Spreadsheet and Database Apps | 3 |
| CMM 103 🦬 🎓 | Fund Speech-Communication | 3 |
| MTH 127 🦬 🎓 | College Algebra-Expanded | 5 |
| NRE 220 🦬 | Human Dimensions of Nat Res (CT) | 3 |
| | **Credit Hours** | **14** |

## Second Year

### First Semester

| | | |
|---|---|---|
| NRE 423 | GIS and Data Systems | 3 |
| NRRM 200 | Analytical Methods: Statistics | 4 |
| NRE 111 🦬 | Living Systems | 4 |
| ENG 201 🦬 🎓 | Advanced Composition | 3 |
| | **Credit Hours** | **14** |

### Second Semester

| | | |
|---|---|---|
| NRRM 380 | Rec Resource Oper. and Admin | 3 |
| Writing Intensive | | 3 |
| Core II Physical/Natural Science | | 4 |
| Core II Social Science (MC/I) | | 3 |
| Free Elective | | 3 |
| | **Credit Hours** | **16** |

## Third Year

### First Semester

| | | |
|---|---|---|
| NRRM 350 🎓 | Adventure Education Leadership | 3 |
| NRRM 361 | Visitor Behavior in NRRM | 3 |
| Core II Humanities (WI) | | 3 |
| 300/400 NRRM Elective | | 3 |
| Natural/Physical Science Elective | | 4 |
| | **Credit Hours** | **16** |

### Second Semester

| | | |
|---|---|---|
| NRRM 405 | Park & Recreation Ecology | 3 |
| NRRM 411 🎓 | Rec Resource Planning & Design | 3 |
| 300/400 NRRM Elective | | 3 |
| NRE 490 | ES/NRRM Capstone Prep | 3 |
| Free Elective | | 3 |
| | **Credit Hours** | **15** |

## Fourth Year

### First Semester

| | | |
|---|---|---|
| NRRM 310 | Environmental Interpretation | 3 |
| NRRM 432 | Wilderness/Protected Area Mgmt | 3 |
| 300/400 NRRM Elective | | 3 |
| Free Elective | | 3 |
| Free Elective | | 3 |
| | **Credit Hours** | **15** |

### Second Semester

| | | |
|---|---|---|
| NRRM 402 | Research Eval & Assess in NRRM | 3 |
| NRRM 433 | GIS/RS in Natural Resources | 3 |
| NRRM 490 🦬 | Internship (C) (if not in Summer) | 6 |
| Free Elective | | 2 |
| | **Credit Hours** | **14** |
| | **Total Credit Hours** | **120** |