The University of Tennessee at Martin
Bachelor of Science in Natural Resources Management (with a major in NRM)
Environmental Management Concentration (program 1154)

Overview
Of all living beings, humans are unique in their ability to manage the environment in which they live. However, modification of the environment to suit human needs often results in the degradation of environmental ecosystems. This program is a science-oriented curriculum designed to provide a broad understanding of environmental quality. Students will develop a solid foundation in basic sciences, mathematics and communications skills. This foundation will then be applied in courses dealing with ecology and natural resources. Students will be strongly encouraged to pursue relevant work experience through supervised field study with an approved agency or firm.

Career Opportunities
Graduates of this program will find employment opportunities as technical, scientific or support personnel with local, state or federal agencies, or with private industry. Examples include positions with municipal waste treatment facilities; state and federal regulatory agencies; consulting firms involved in environmental remediation and development of impact statements; various manufacturers; environmental and conservation support organizations; and other public and private employers in the environmental field. The curriculum will also prepare the student for graduate study in areas related to the environment and natural resources, including environmental law.

Facilities
All facilities of the campus, including the library, student learning center, computer center and recreational complex are available for student use. A nearby 700-acre UT Martin Agricultural and Natural Resources Field Teaching/Demonstration Complex is used for research, teaching, and demonstration. Classrooms and laboratories of the department are located in Brehm Hall and the Ned R. McWherter Agricultural Pavilion are contemporary and provide an effective learning environment. Numerous computer facilities are available for the student’s convenience. In some cases, field trips are made to nearby industries and farms to learn their operating procedures. Students participate in local, regional and national conferences, contests and research on a regular basis.

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Martin, TN 38238
Phone: 731-881-7262
Email: wtotten@utm.edu
# B.S. in Natural Resources Management - Environmental Management Concentration (1154)
## Course Requirements for 2019-2020 catalog

### Fine Arts (3 hours) Select One
- **ART 110** Understanding Visual Arts __/3
- **ARTH 210** The History of Art __/3
- **ARTH 211** The History of Art __/3
- **DANC 110** Understanding Dance __/3
- **MUS 111** Masterpieces of Music __/3
- **MUS 112** Music in Our Time __/3
- **MUS 113** Western Masterpieces __/3
- **MUS 114** Historical Survey of Jazz __/3
- **MUS 115** Music for the Masses __/3
- **THEA 110** Understanding Theatre __/3
- **THEA 111** Understanding Theatre __/3

### Biological & Physical Systems (20 hours)
- **BIOL 130** Foundations: Ecology, Evolution, & Diversity __/4
- **BIOL 140** Foundations: Cell & Molecular __/4
- **CHEM 111** Intro: General & Inorganic __/4
- **CHEM 121** General Chemistry __/4
- **CHEM 112** Intro: Organic & Bio __/4
- **GEOS 120** Earth Materials and Processes __/4

### Communications (9-10 hours)
- **ENGL 105** English Composition __/3
- **ENGL 111** English Composition __/3
- **ENGL 112** English Composition __/3
- **ENGL 113** English for Technical Writers __/3
- **COMM 230** Public Speaking __/3
- **COMM 229** Public Communication Online __/3
- **HONR 110** Public Speaking & Rhetorical Tradition __/3

### Humanities (9 hours) Select three
- **ENGL 250** British Literature __/3
- **ENGL 251** British Literature __/3
- **ENGL 260** American Literature __/3
- **ENGL 261** American Literature __/3
- **ENGL 270** World Literature __/3
- **ENGL 271** World Literature __/3
- **FREN 250** France Today __/3
- **GERM 250** Germany Today __/3
- **HIST 121** World Civilization I __/3
- **HIST 122** World Civilization II __/3
- **HIST 201** History of the U.S. I __/3
- **HIST 202** History of the U.S. II __/3
- **HONR 101** Great Works I-Ancient World & Classical Antiquity __/3
- **HONR 102** Late Antiquity to Middle Ages __/3
- **HONR 201** Late Middle Ages to Renaissance __/3
- **JAPN 250** Japan Today __/3
- **PHIL 110** Adventure of Ideas: Historical __/3
- **PHIL 120** Adventure of Ideas: Contemporary __/3
- **PHIL 130** Ethics and Race __/3
- **PHIL 160** Exploring Ethics __/3
- **SPAN 250** Latin America Today __/3

### Mathematics (9 hours)
- **MATH 160** Calculus for Business & Life Sciences __/3
- **MATH 210** Elementary Statistics & Probability __/3
- **MATH 140** College Algebra & Elementary Function __/3
- or **185** Pre calculus __/5

### Social & Behavioral Sciences (6 hours)
- **AGRI 295** International Food & Fiber Systems __/3
- **ANSC 270** Animal Welfare & Ethics __/3
- **ECON 100** American Enterprise System __/3
- **ECON 201** Principles of Macroeconomics __/3
- **ECON 202** Principles of Microeconomics __/3
- **ENGR 100** Society & Technology __/3
- **GEOG 151** Intro Regional Geo: NA, Europe, Russia __/3
- **GEOG 152** Intro Regional Geo: Asia, Africa, LA __/3
- **GEOG 202** Intro to Cultural Geography __/3
- **HLTH 111** Principles & Concepts in Personal Health __/3
- **HONR 202** Great Works IV-Enlightenment to Modernity __/3
- **IDST 201** Intro to Women’s Studies __/3
- **NRM 101** Wildlife, Conservation & Environmental Issues __/3
- **NRM 250** Global Perspectives in Natural Resources __/3
- **NUTR 100** Introductory Nutrition __/3
- **POS 210** American Government & Politics __/3
- **POS 220** American Political Institutions & Policy __/3
- **POS 230** Introduction to World Politics __/3
- **PSYC 101** Introduction to Psychology __/3
- **SWRK 220** Understanding Human Diversity __/3
- **SOC 201** General Sociology __/3
- **SOC 202** Social Problems __/3

### Natural Resources Management Core (22 hours)
- **AGET 220** Surveying & Soil and Water Engineering __/3
- or **AGRI 270** Intro to Geospatial Technology __/3
- or **GEOG 270** Intro to Geospatial Technology __/3
- **NRM 100** Intro to Natural Resources Management __/3
- **NRM 210** Human Dimensions in Natural Resources Mgmt __/3
- **SOIL 210** Soil Science __/4
- **PLSC 333** Weed Science __/3
- **PLSC 341** Dendrology & Forest Ecology __/3
- **PLSC 410** Silviculture __/3
- **PLSC 422** Forage Crops __/3
- **NRM 225** Intro to Aquatic Science __/3
- **NRM 315** Restoration of Freshwater Habitats __/3
- **SOIL 315** Soil & Water Conservation __/3
- **SOIL 430** Wetland Science __/3

### Environmental Management Concentration (42 hours)
- **AGEC 445** Natural Resources Economics __/3
- **AGET 460** Waste Management Technology __/3
- **ENGL 325** Technical Communications __/3
- **GEOG 472** Climatology __/3
- **MBIO 251** General Bacteriology __/4
- **NRM 350** Environmental Regulation __/3
- **SOIL 315** Soil & Water Conservation __/3
- or **SOIL 430** Wetland Science __/3
- **GEO 365** Tennessee’s Geologic & Cultural Landscapes __/3
- or **GEO 445** Geohydrology __/3
- or **SOIL 440** Soil Physics __/3

- **Plant Science Elective (3 hours) Select One**
  - **PLSC 333** Introductory Plant and Soil Science __/3
  - or **PLSC 205** Introduction to Pesticides __/3
  - or **PLSC 234** Lawn & Turf Management __/3
  - **PLSC 333** Weed Science __/3
  - **PLSC 341** Dendrology & Forest Ecology __/3
  - **PLSC 422** Forage Crops __/3

Choose 14 hours from upper division courses in Departments of Agriculture, Geosciences, and Natural Resources Management; Biological Sciences; Chemistry and Physics; or Engineering.

- **NRM 420** Supervised Field Experience (Recommended) __/3

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### Notes:
- Students must maintain a 2.0 GPA in all coursework to graduate.
- Consult the catalog for the most current information.
- Students are encouraged to consult with their academic advisors for course selection and planning.

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**Total Hours:** 115
# B.S. in Natural Resources Management
## Environmental Management
### 2019-2020

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