PROGRAM DESCRIPTION
Offered by the Department of Geosciences, the Environmental Technology program features a hands-on, field-based approach to environmental remediation. Students will master environmental procedures such as sampling, assessment, design, determining results, recording, and analysis. Experiential learning and environmental problem-solving are emphasized in both the lab and the field. Students interested in focusing on workplace safety may choose the Safety Management concentration. The program also provides an opportunity for students to continue to complete a four-year bachelor’s degree in Geosciences or Safety Management. All students in the program are strongly encouraged to complete OSHA, HAZWOPER, and/or PEC Safeland Training before graduation.

REAL WORLD EXPERIENCE
As we strive to balance resource use with development, technology is the link that will allow humans to achieve sustainable ways to develop our resources. Our students will make important contributions to the future of our planet. They will gain hard skills in water sampling, using a flow meter, number crunching in Excel, using soil test kits, completing an environmental impact assessment, and learning basic OSHA regulations in Jobsite Safety. They will also complete a 4-6 credit Capstone Experience by conducting a professional internship, practicum, or independent study.

CAREER OPPORTUNITIES
Most environmental science and protection technicians work for consulting firms, state or local governments, or testing laboratories. The optional Safety Management concentration provides interested students with a pathway toward careers as occupational health and safety technicians. Technicians work with specialists in conducting tests and measuring hazards to help prevent harm to workers, property, the environment, and the general public. Demand for these occupations is expected to grow nationally and within our region. For more resources about career opportunities, visit career.mansfield.edu.
SAMPLE COURSE SEQUENCE

Associate of Applied Science

ENVIRONMENTAL TECHNOLOGY

Program Requirements • 60 Credits

### Environmental Technician Concentration

**First Semester: 14 Credits**
- FYS 1100: First-Year Seminar 3
- ENG 1112: Composition I 3
- GEL 1125: Physical Geology 4
- WSM 1625: Intro to Watershed Management 4

**Second Semester: 15 Credits**
- COM 1101: Oral Communication 3
- MA 1128: College Algebra (or higher level) 3
- GEG 1122: Environmental Issues 3
- GEG 2910: Intro to Surveying 3
- GEL 3325: Hydrology 3

**Summer Capstone: 6 Credits**

**Third Semester: 13 Credits**
- GEOS 2880: Environ. Impact Assessment 3
- GEOS 3060: Principles of Soil Science 3
- GEG 2200: Intro to GIS 4
- SFM 1800: Jobsite Safety 3

**Fourth Semester: 12 Credits**
- WSM 3010: Watershed Systems 3
- GEG 3000: Computer-Aided Design 3
- HPE 3340: First Aid/CPR 3
- General Education Elective 3

### Safety Management Concentration

**First Semester: 16 Credits**
- FYS 1100: First-Year Seminar 3
- ENG 1112: Composition I 3
- GEL 1125: Physical Geology 4
- LDR 2325: Intro to Leadership Studies 3
- SFM 1101: Intro to Environ. Health and Safety 3

**Second Semester: 15 Credits**
- COM 1101: Oral Communication 3
- MA 1128: College Algebra (or higher level) 3
- GEG 1122: Environmental Issues 3
- SFM 3000: Reg. of Industrial Health and Safety 3
- HPE 3340: First Aid/CPR 3

**Summer Capstone: 4 Credits**

**Third Semester: 13 Credits**
- GEOS 2880: Environ. Impact Assessment 3
- GEOS 3060: Principles of Soil Science 3
- SFM 1800: Jobsite Safety 3
- WSM 1625: Intro to Watershed Management 4

**Fourth Semester: 12 Credits**
- GEL 3325: Hydrology 3
- SFM 3003: Human Factors in Safety 3
- SFM 3002: Critical Incident Management 3
- General Education Elective 3