Global warming.
Forest fragmentation and urbanization.
Increasing worldwide demand for wood products.

The forests of the Earth are facing pressures unknown just a few generations ago. Even in North America, with our abundant natural resources, the forest has become a battlefield for competing interests, from wilderness supporters to urban developers.

As a forestry or applied ecology and environmental sciences student at Michigan Tech, you’ll learn how to manage forests wisely, so that future generations can enjoy both timber products and a quiet walk in the woods.

Our forestry graduates are involved in managing for multiple forest resources, including water, wildlife, wood products, and recreation. A forestry degree can also be a stepping stone to an administrative career in private industry, public-land management agencies, and conservation organizations.

Our degree in applied ecology and environmental sciences leads to certification as an ecologist by the Ecological Society of America, preparing you for a career in business, consulting, or government. Through their knowledge of complex biological systems, ecologists can monitor environmental quality and help manage development to protect natural surroundings.

Michigan Tech graduates are employed by government agencies and forest-products industries, such as

- US Forest Service
- Natural Resource Conservation Service
- National Park Service
- State natural resource agencies
- Mead Paper
- Champion International
- Louisiana-Pacific
- Weyerhaeuser
- Georgia-Pacific
Wood science students apply leading-edge technologies to wood, one of the oldest and most complex materials used by man. The primary goal of a wood science graduate is to ensure the most efficient conversion of trees into wood products in an environmentally safe manner. Nationally, the demand for wood science professionals is huge; throughout the US, graduates receive an average of three job offers each. Industries employing our graduates include pulp and paper, chemistry, lumber production, and furniture manufacturing.

**Commitment to students**

At the School of Forestry and Wood Products, we are committed to the success of all our students. The faculty and staff are dedicated to the concept that higher education should be challenging and fulfilling.

The quality of our faculty is outstanding, with many internationally recognized educators based at the School. The student-faculty ratio is about 10:1; you will enjoy small classes and get to know your professors on a first-name basis. In addition, many students are employed within the School.

The University’s Career Center assists students in finding summer jobs and permanent employment.

**Why Michigan Tech?**

Michigan Tech is located on the south shore of Lake Superior, in the heart of the largest expanse of forestland in the United States. The Upper Peninsula is home to many world-class forest products industries.

The Lake Superior Basin, with its vast expanse of forests, is ideally suited for natural resource studies. It’s also an ideal location for almost any kind of outdoor recreation, from hiking and rock climbing to mountain biking, skiing, snowboarding, and kayaking.

**Degree programs**

Forestry—BS

The baccalaureate program in forestry introduces you to all aspects of the profession, including the following areas of study:

➤ ecosystem management
➤ forest wildlife ecology
➤ forest ecology

The fall semester of your junior year, you will study and live at the University’s 4,000-acre Ford Forestry Center, where you’ll learn hands-on the fundamental techniques of the forestry profession.

Wolves and moose are the focus of Forestry Professor Rolf Peterson’s studies at Isle Royale National Park, the largest island in Lake Superior. A nationally recognized expert on this unique predator-prey relationship, Peterson often involves students in his research.
Applied Ecology and Environmental Sciences—BS

The Applied Ecology and Environmental Sciences program at Michigan Tech will prepare you to work on solutions to problems posed by development. You will learn how to protect natural ecosystems and manage the forest for future generations. A summer session of field studies is conducted at the Ford Forestry Center as well as surrounding national forests and national parks.

Ecologists are employed by many state and federal agencies, as well as environmental organizations. Corporations hire ecologists, who help businesses comply with environmental regulations and work with other professionals in making environmental assessments.

Graduates will also be prepared to pursue a variety of graduate programs in natural resources and environmental policy.

Wood Science—BS

Wood scientists study the physical, mechanical, and chemical attributes of wood. As a wood science student, you’ll select from one of three areas of emphasis:

➤ Business—forest products marketing, production management, and business administration in conjunction with wood products technology
➤ Engineering—the materials science of wood, production fundamentals, and systems
➤ Biotechnology—the genetic manipulation of trees to improve wood properties and pulping efficiency

Forestry—MS

Students in the forestry master’s program pursue independent study in a wide range of natural resource management and wood science topics. Interdisciplinary studies are encouraged, and you may include course work in engineering, business, and science.

The Loret Miller Ruppe Peace Corps Master's International Program in Forestry welcomes students with bachelor’s degrees in any discipline who are interested in a career in forestry, environmental sciences and policy, or natural resource management. The program includes two years in the Peace Corps, and placement of graduates is excellent.

Forest Science—PhD

PhD students conduct research and pursue in-depth studies in select areas of forestry and wood science. Opportunities for students with a PhD are excellent.

The BS in Forestry is accredited by the Society of American Foresters. The BS in Wood Science meets the curriculum requirements of the Society of Wood Science and Technology.
Forest Technology—AAS

This two-year, field-oriented program emphasizes forest management. Other topics include wildlife management, forest protection, recreation, forest boundary control, and forest business techniques. Forest technicians do fieldwork needed for managing forestry operations. They mark timber, evaluate standing timber (cruising), map lands, evaluate harvested timber (scaling), and regenerate forest stands. They are employed in areas such as recreation, logging, disease and insect prevention, and fire control. Michigan Tech has the only forest technology program in the Midwest recognized by the Society of American Foresters, and graduates are employed by many of the same companies that hire forestry graduates. They also spend extensive time at the Ford Forestry Center.

For more information on the forest technology program, contact the MTU School of Technology, 1400 Townsend Drive, Houghton, MI 49931-1295; telephone: 906/487-2259; e-mail: <thcollin@mtu.edu>.

For more information on programs offered by the School of Forestry and Wood Products, contact

Dean, School of Forestry and Wood Products
Michigan Technological University
1400 Townsend Drive
Houghton, MI 49931-1295

Telephone: 906/487-2454 or 800/WOODS-MI
E-mail: forestry@mtu.edu
Web page: www.forestry.mtu.edu

The School of Forestry and Wood Products offers student employment to many undergraduates. Students also work on research projects in their field of interest.