

Guide to Forestry and Natural Resources Programs



Society of
American Foresters

Your Career in Forestry Begins Here

Choosing an SAF-Accredited Program Can Change Your Life

So, you're considering a career in the forestry profession. Understanding any profession, and figuring out where to get your degree, can be a daunting task.

At the Society of American Foresters (SAF), we have been a source of information, networking, and education for foresters and those interested in the forestry profession since 1900.

As the largest national scientific and educational organization representing the professionals who manage forests in the US, we know a thing or two about what it takes to prepare for the challenges and changes that face natural resource professionals. We also feel compelled to help the next generation of forestry professionals adequately prepare for a successful career.

To accomplish this, we've been accrediting undergraduate and graduate programs at schools across the country since 1935. SAF accreditation is focused on specific programs of study – not degrees, departments, colleges, or institutions – and uses the strictest criteria so that you can be sure you'll receive the best education and the best opportunities to succeed following graduation.

Choosing an SAF-Accredited Program: The Why

Whether you're a parent doing some research or a student looking to become more informed, the single most important piece of information you need to know is that SAF accreditation in the US is a nongovernmental, peer-review process. We have worked hard to ensure that our accreditation meets the quality standards set by the education profession and the SAF accreditation process is recognized by the Council for Higher Education Accreditation.

Accreditation is not a ranking system, but rather gives you a feeling of confidence that the program you're looking at has been thoroughly vetted. All SAF-accredited programs volunteer to undergo periodic review as well. Why do they do this? Because ongoing review provides them with a continual way to assess, evaluate, and improve the quality of their forestry program.

"The accreditation process is a voluntary process that's in place to ensure quality, and more so that a program incorporates and embraces continuous improvement into their program," says Carol Redelsheimer, Director of Science and Education at SAF. "Like many professions, forestry changes over time so it's important for universities to maintain a contemporary focus. It brings together not only academics and educators, but also managers and practitioners in the field of forestry to identify what the skills are that students need in this day and age."

This all boils down to the simple fact that SAF accreditation offers peace of mind in what can otherwise be a stressful experience.

We believe that SAF accreditation ensures the following:

- Students are ready to practice as soon as they graduate.
- Employers can count on our program graduates to meet their needs.



- Parents can be proud of the education their sons and daughters receive and confident that their time and money were well spent.
- State licensure, certification, and registration boards know graduates are prepared to enter the profession.

Equipped with this knowledge, you can concentrate on the campus, location, and all the other intangibles that make choosing your school so much fun, all the while knowing you don't have to worry about the quality of the program of study you intend to pursue.

Choosing an SAF-Accredited Program: The How

You're now ready to find an SAF-accredited program, but how do you learn more and, more importantly, find the program that's right for you?

Your first stop should be the page on our website dedicated to you at <http://www.safnet.org/education/parents.cfm>. There, you can learn more about our

accreditation process and read through frequently asked questions we've received from people just like you.

Where can you find an SAF-accredited program? That answer is easy because you can find accredited programs in 39 states across the country,

from Alabama to Alaska and California to Connecticut.

Every program is different, even among accredited programs, based on geography and also the primary employment sectors of the region. What remains constant, however, is the fact that someone who graduates from an SAF-accredited forestry program of study can

expect that they will be well grounded in the specific technical and professional skill sets that foresters need.

What SAF-Accredited Programs Have to Say

The programs that have achieved SAF accreditation wear the designation like a badge of honor for many reasons, but none are more important than the fact that they know they can confidently provide students like you with the best education possible.

"I think that the schools that want to be accredited or maintain it embrace the peer-review process because they see this as an opportunity to take a hard look at what they're doing and how they're delivering the education to their students," says Redelsheimer. "They believe that it's useful for them to bring in a team of outside observers to see what they are doing well and what they can be doing better."

But don't take it from us, take it from some of the schools we have worked with.

"The administration and faculty at Stephen F. Austin State University greatly appreciate the dedication and the overall professionalism of the SAF visiting team. Their work on behalf of SAF has provided excellent insight for both short-run and longer-run improvements in SFASU's BS in Forestry degree program."

"The Iowa State University Natural Resource Ecology and Management (NREM) Department appreciated the SAF accreditation review team's thoroughness and detail in identifying strengths and opportunities for the improvement of the undergraduate forestry program. The whole process, beginning with the department's self-study through the review team's visit, was a valuable and illuminating experience."

When you choose an accredited program, you are choosing wisely. Be proud to choose an SAF-accredited program.

"I think that the schools that want to be accredited or maintain it embrace the peer-review process because they see this as an opportunity to take a hard look at what they're doing and how they're delivering the education to their students,"

— *Redelsheimer*

Make a Difference in the Environment. Conserve Forests and Natural Resources. Choose a Career in Forestry.

Make a Difference

Imagine managing and conserving forests, being involved in environmental education, policy, research, business development, and computer technology. There are many ways a forester makes a difference and many of these professionals are not called “foresters.” They have titles like forest pathologist, soil scientist, forestry consultant, recreation coordinator, forest supervisor, wood chemist, wilderness and trails specialist, wildlife biologist and habitat specialist, education specialist, and timberland investor.

Foresters and natural resource professionals are everywhere -- enjoying the outdoors, working in a lab or classroom, using technology, talking with local communities and landowners, and speaking in public. The exciting profession of forestry means you have many career paths in natural resources.

Become a Forester

Whatever your title or specialty, to be a forester or natural resource professional, you need at least a four-year forestry degree. Also, many colleges and universities offer specific training in watershed management, urban forestry, forest engineering, wildfire and fuels management, forest products, recreation, and forest

wildlife management. Most universities and colleges offering a baccalaureate degree in forestry have their program accredited by the Society of American Foresters.

Maybe you only want a two-year technical degree. Forest technicians also have a valuable role in forest management. Technicians conduct tree inventories—gathering information on species and populations of trees, disease and insect damage, and tree seedling mortality. They also help with fire suppression and training, harvest operation monitoring, law enforcement, and reforestation.

Some states require foresters and sometimes forest technicians to meet licensing or registration criteria. In addition, foresters can be voluntarily certified nationally through SAF's Certified Forester® program.

Many technical colleges offering an associate's degree in forestry have programs accredited by the Society of American Foresters.

Discover Opportunities

After you complete your training, there are many opportunities for getting employment.

The owners of tree farms or woodlots frequently hire forestry consultants to manage their land. As a consultant, you may work for yourself or for a large

“Foresters are concerned with water quality, aesthetic beauty, timber, and wildlife. Satisfying all these different needs is difficult, interesting, and always challenging.”

Jeff Stringer, Hardwood Specialist and Professor, University of Kentucky

firm, offering services ranging from estate planning, to writing management plans, to marketing timber.

You may also find a place within the largest employer of forestry professionals -- the federal government. The US Forest Service (in the Department of Agriculture), the Bureau of Land Management, the National Park Service (Department of the Interior), and branches of the military employ thousands of forestry professionals. You could also work for state agencies, such as conservation, wildlife, forestry, or parks and recreation departments, and at the community level, often as urban foresters.

There are opportunities with private industry including manufacturers of paper and wood products. Foresters working with these companies are often focused on growing trees faster and stronger and developing more environmentally friendly methods of harvesting trees and making forest products.

You could work for a college or university as a faculty member, researcher, or manager of school forests. Not-for-profit organizations ranging from national to local in scope also employ foresters, as do banks and law firms specializing in land investment or estate law.

Getting into the Field

Forestry has been ranked as one of the best low-stress jobs and according to the US Department of Labor, conservation scientists and foresters held about 33,000 jobs in 2006. Employment growth is expected in consulting firms, urban forestry, fire prevention, and fuels management. Developing private lands and forests for recreational purposes will generate additional jobs for foresters.

Additionally, climate change and alternative fuels present new opportunities and challenges.

The average annual earnings of foresters in 2006 were \$51,190. The lowest 10 percent earned less than \$29,860 and the highest 10 percent earned more than \$80,260. Of course, your earning potential increases as you gain experience and knowledge.

According to the National Association of Colleges and Employers, graduates with a bachelor's degree in forestry and natural resources received an average starting salary offer of \$34,678 in 2007.

In 2006 more than 26,000 people were employed as forest technicians. In 2007, the average hourly earnings of forest technicians were \$17.20 or \$35,770 annually.

Start Today

Start your career with a strong educational foundation in an SAF-accredited program of study. Then engage in one of dozens of student chapters where you can build life-long connections. Visit www.eforester.org today to learn more or visit www.forestrycareers.org.



SAF-Accredited Educational Programs in Professional Forestry as of August 1, 2012

To be accredited by SAF, academic programs must prepare a self-evaluation report, host an onsite review by a visiting team, and undergo review by the SAF Committee on Accreditation, which determines that a program of study meets SAF accreditation standards for mission, goals and objectives, curriculum, program organization and administration, faculty, students, and parent-institution support. The academic programs listed below offer programs of study in forestry and urban forestry and have completed the accreditation process.

Many forestry and natural resources programs across the country offer a diversity of options or curriculum choices within an academic program – not all are accredited. Prospective students and other interested parties should contact SAF or the program directly to obtain specific information about accredited options.

This listing is current as of August, 2012.

Alabama

Institution: Alabama A&M University
Academic Unit: College of Agricultural, Life and Natural Sciences, Dept. of Biological & Environmental Sciences
Website: <http://www.aamu.edu/forestry/>
Contact: Ken Ward, FEWP Coordinator
Degree awarded: Bachelor of Science in Forestry
Options accredited: Forest Management; Forest Science
Accredited through: 2018

Institution: Auburn University
Academic Unit: School of Forestry & Wildlife Science, Samuel Ginn College of Engineering
Website: <http://www.forestry.auburn.edu/>
Contact: James P. Shepard, Dean
Degree awarded: Bachelor of Science in Forestry, Bachelor of Science in Forest Engineering, Master of Forestry
Options accredited: Forestry major; Forest Resources minor in the Forest Engineering option of the Biosystems Engineering program; Master of Forestry nonthesis option.
Accredited through: 2015

Alaska

Institution: University of Alaska
Academic Unit: School of Natural Resources and Agricultural Sciences
Website: http://www.uaf.edu/snras/forest_sciences/
Contact: David Veazey, Director of Enrollment Management
Degree awarded: Bachelor of Science in Natural Resources Management
Options accredited: Forestry
Accredited through: 2016

Arizona

Institution: Northern Arizona University
Academic Unit: School of Forestry
Website: <http://www.for.nau.edu>
Contact: Erin Saunders, Student Services Coordinator
Degree awarded: Bachelor of Science
Options accredited: Forestry (extended major)
Accredited through: 2013

Arkansas

Institution: University of Arkansas
Academic Unit: School of Forest Resources
Website: <http://www.afrc.uamont.edu>
Contact: Philip Tappe, Dean
Degree awarded: Bachelor of Science in Forest Resources
Options accredited: Forestry
Accredited through: 2021

California

Institution: California Polytechnic State University
Academic Unit: College of Agriculture, Food and Environmental Sciences, Natural Resources Management and Environmental Sciences Department
Website: <http://www.nres.calpoly.edu>
Contact: Douglas Piiro, Head
Degree awarded: Bachelor of Science in Forestry and Natural Resources
Options accredited: Environmental Planning and Assessment; Forest and Environmental Practices; Urban Forestry; Watershed Management and Hydrology; Wildland Fire and Fuels Management; Individualized Course of Study
Accredited through: 2014

Institution: Humboldt State University
Academic Unit: College of Natural Resources and Sciences, Department of Forestry and Wildland Resources
Website: <http://www.humboldt.edu/~for>
Contact: Ken Fulgham, Chair
Degree awarded: Bachelor of Science in Forestry
Options accredited: Forest Resources Management; Forest Resources Conservation; Forest Production Management; Forest Hydrology
Accredited through: 2013

Institution: University of California-Berkeley
Academic Unit: College of Natural Resources, Environmental Science, Policy and Management Department
Website: <http://nature.berkeley.edu/site/majors/fnr.php>
Contact: Kevin O'Hara, Professor and Head Advisor
Degree awarded: Bachelor of Science in Forestry and Natural Resources
Options accredited: Forestry
Accredited through: 2015

Colorado

Institution: Colorado State University
Academic Unit: Warner College of Natural Resources, Department of Forest and Rangeland Stewardship
Website: <http://warnercnr.colostate.edu/departments/frs>
Contact: Erin Heim, Program Coordinator
Degree awarded: Bachelor of Science in Forestry
Options accredited: Forest Biology; Forest Fire Science; Forest Management
Accredited through: 2012

Connecticut

Institution: Yale University
Academic Unit: School of Forestry and Environmental Studies
Website: <http://www.yale.edu/forestry/>
Contact: Danielle Curtis, Director of Admissions
Degree awarded: Master of Forestry
Options accredited: Two-year option
Accredited through: 2014

Florida

Institution: University of Florida
Academic Unit: School of Forest Resources and Conservation
Website: <http://www.sfrc.ufl.edu>
Contact: Timothy L. White, Director and Professor
Degree awarded: Bachelor of Science in Forest Resources and Conservation
Options accredited: Forest Resources Management; Urban Forestry
Accredited through: 2014

Georgia

Institution: University of Georgia
Academic Unit: Warnell School of Forestry and Natural Resources
Website: <http://www.warnell.uga.edu/>
Contact: Sarah Covert, Associate Dean for Academic Affairs and Professor
Degree awarded: Bachelor of Science in Forest Resources
Options accredited: Forestry major
Accredited through: 2015

Idaho

Institution: University of Idaho
Academic Unit: College of Natural Resources, Dept. of Forest, Rangeland, and Fire Sciences
Website: <http://www.uidaho.edu/cnr.frfs/>
Contact: Jo Ellen Force, Department Head
Degree awarded: Bachelor of Science in Forest Resources
Options accredited: Forestry
Accredited through: 2016

Illinois

Institution: Southern Illinois University
 Academic Unit: College of Agricultural Sciences, Department of Forestry
 Website: http://coas.siu.edu/default2.asp?active_page_id=111
 Contact: Jim Zaczek, Chair
 Degree awarded: Bachelor of Science in Forestry
 Options accredited: Forest Resources Management; Forest Recreation and Park Management; Urban Forest Management; Forest Hydrology
 Accredited through: 2016

Institution: University of Illinois
 Academic Unit: College of Agricultural, Consumer and Environmental Science, Dept. of Natural Resources and Environmental Sciences
 Website: <http://nres.illinois.edu/>
 Contact: Jeffrey D. Brawn, Department Head
 Degree awarded: Bachelor of Science in Natural Resources and Environmental Sciences
 Options accredited: Forest Science
 Accredited through: 2015

Indiana

Institution: Purdue University
 Academic Unit: College of Agriculture, Dept. of Forestry and Natural Resources
 Website: <http://www.fnr.purdue.edu>
 Contact: Walter L. Mills Jr. Director
 Degree awarded: Bachelor of Science in Forestry
 Options accredited: Forestry
 Accredited through: 2013

Iowa

Institution: Iowa State University
 Academic Unit: College of Agriculture and Life Science, Dept. of Natural Resource Ecology and Management
 Website: <http://www.nrem.iastate.edu/>
 Contact: Sue Blodgett, Dept. Chair
 Degree awarded: Bachelor of Science in Forestry
 Options accredited: Forest Ecosystem Management; Forest Products; Urban and Community Forestry; Natural Resource Conservation
 Accredited through: 2012

Kentucky

Institution: University of Kentucky
 Academic Unit: College of Agriculture, Department of Forestry
 Website: <http://www.ca.uky.edu/forestry/>
 Contact: Terrell T. "Red" Baker, Chair and Professor
 Degree awarded: Bachelor of Science in Forestry
 Options accredited: Forestry
 Accredited through: 2020

Louisiana

Institution: Louisiana State University
 Academic Unit: School of Renewable Natural Resources
 Website: <http://www.rnr.lsu.edu>
 Contact: Michael D. Kaller, Coordinator of Undergraduate Programs
 Degree awarded: Bachelor of Science in Forestry
 Options accredited: Forest Resource Management; Ecological Restoration
 Accredited through: 2015

Institution: Louisiana Tech University
 Academic Unit: School of Forestry
 Website: <http://forestry.latech.edu>
 Contact: Mark Gibson, Director
 Degree awarded: Bachelor of Science in Forestry
 Options accredited: Forest Management; Wildlife Habitat Management
 Accredited through: 2020

Maine

Institution: University of Maine
 Academic Unit: School of Forest Resources
 Website: <http://www.forest.umaine.edu>
 Contact: Bob Wagner, Director
 Degree awarded: Bachelor of Science in Forestry, Bachelor of Science in Forest Operations, Master of Forestry
 Options accredited: Forest Management; Forest Operations Science; Master of Forestry
 Accredited through: 2013

Massachusetts

Institution: University of Massachusetts
 Academic Unit: College of Natural Sciences, Department of Environmental Conservation
 Website: <http://eco.umass.edu/degree-programs/undergraduate-programs/natural-resources-conservation/forest-ecology-conservation-concentration/>
 Contact: David B. Kittredge Jr., Program Director
 Degree awarded: Bachelor of Science in Natural Resources Conservation
 Options accredited: Forest Ecology & Conservation
 Accredited through: 2019

Michigan

Institution: Michigan State University
 Academic Unit: College of Agriculture and Natural Resources, Department of Forestry
 Website: <http://www.for.msu.edu>
 Contact: Daniel E. Keathley, Chairperson
 Degree awarded: Bachelor of Science in Forestry
 Options accredited: Forest Resource Management
 Accredited through: 2017

Institution: Michigan Technological University
 Academic Unit: School of Forest Resources & Environmental Science
 Website: <http://forest.mtu.edu/>
 Contact: Chris Hohnholt, Director of Outreach and Development
 Degree awarded: Bachelor of Science in Forestry, Master of Forestry
 Options accredited: Forestry; Master of Forestry
 Accredited through: 2015

Minnesota

Institution: University of Minnesota
 Academic Unit: College of Food, Agricultural and Natural Resource Sciences
 Website: <http://www.forestry.umn.edu/>
 Contact: Alan Ek, Head of the Dept. of Forest Resources
 Degree awarded: Bachelor of Science in Forest Resources
 Options accredited: Forest Resources; Urban Forestry
 Accredited through: 2017

Mississippi

Institution: Mississippi State University
 Academic Unit: College of Forest Resources
 Website: <http://www.cfr.msstate.edu>
 Contact: Andrew W. Ezell, Department Head
 Degree awarded: Bachelor of Science in Forestry
 Options accredited: Environmental Conservation; Forest Management; Wildlife Management; Urban Forestry; Forest Products
 Accredited through: 2017

Missouri

Institution: University of Missouri
 Academic Unit: School of Natural Resources
 Website: <http://www.snr.missouri.edu/>
 Contact: Rose-Marie Muzika, Department Chair
 Degree awarded: Bachelor of Science in Forestry
 Options accredited: Forest Resource Management
 Accredited through: 2016

Montana

Institution: University of Montana
 Academic Unit: College of Forestry and Conservation, Department of Forest Management
 Website: <http://www.forestry.umt.edu>
 Contact: James Burchfield, Dean
 Degree awarded: Bachelor of Science in Forestry
 Options accredited: Forest Resource Management; Forest Operations; Applied Restoration
 Accredited through: 2019

New Hampshire

Institution: University of New Hampshire
 Academic Unit: College of Life Sciences and Agriculture, Department of Natural Resources and the Environment
 Website: <http://www.nre.unh.edu/>
 Contact: Ted Howard, Coordinator, Forestry Program
 Degree awarded: Bachelor of Science in Forestry
 Options accredited: Forest Management; Forest Science
 Accredited through: 2019

New York

Institution: Paul Smith's College of Arts and Sciences
 Academic Unit: School of Natural Resource Management and Ecology
 Website: <http://www.paulsmiths.edu/>
 Contact: Jeffrey T. Walton, Dean
 Degree awarded: Bachelor of Science in Forestry
 Options accredited: Industrial Forest Operations; Forest Biology
 Accredited through: 2015

Institution: State University of New York-College of Environmental Science and Forestry
 Academic Unit: Department of Forest and Natural Resources Management
 Website: <http://www.esf.edu/for/>
 Contact: David Newman, Chair
 Degree awarded: Bachelor of Science in Forest Resources Management and Master of Forestry
 Options accredited: Forest Management; Operations Master of Forestry
 Accredited through: 2013

North Carolina

Institution: Duke University
 Academic Unit: Nicholas School of the Environment
 Website: <http://www.env.duke.edu>
 Contact: William L. Chameides, Dean
 Degree awarded: Master of Forestry
 Options accredited: Forest Resource Management
 Accredited through: 2012

Institution: North Carolina State University
 Academic Unit: College of Natural Resources, Dept. of Forestry and Environmental Resources
 Website: <http://natural-resources.ncsu.edu/for/>
 Contact: Barry Goldfarb, Head
 Degree awarded: Bachelor of Science in Forestry
 Options accredited: Forest Management
 Accredited through: 2015

Ohio

Institution: Ohio State University
 Academic Unit: School of Environment and Natural Resources
 Website: <http://senr.osu.edu>
 Contact: Ronald L. Hendrick, Director
 Degree awarded: Bachelor of Science in Natural Resources
 Options accredited: Forest Ecosystem Science and Management; Forestry and Wildlife Management
 Accredited through: 2014

Oklahoma

Institution: Oklahoma State University
 Academic Unit: Division of Agricultural Sciences and Natural Resources, Department of Natural Resource Ecology & Management
 Website: <http://nrem.okstate.edu>
 Contact: Keith Owens, Head
 Degree awarded: Bachelor of Science in Agricultural Sciences and Natural Resources
 Options accredited: Forest Ecology & Management
 Accredited through: 2018

Oregon

Institution: Oregon State University
 Academic Unit: College of Forestry, Department of Forest Engineering, Resources and Management
 Website: <http://www.forestry.oregonstate.edu>
 Contact: Clay Torset, Head Advisor
 Degree awarded: Bachelor of Science
 Options accredited: Forest Engineering; Forest Engineering/Civil Engineering (dual-degree); Forest Management; Forest Operations Management
 Accredited through: 2021

Pennsylvania

Institution: Pennsylvania State University
 Academic Unit: College of Agricultural Sciences, Department of Ecosystem Science and Management
 Website: <http://www.ecosystems.psu.edu/>
 Contact: Michael G. Messina, Department Head
 Degree awarded: Bachelor of Science in Forest Science
 Options accredited: Forest Management; Forest Biology; Urban Forestry
 Accredited through: 2013

South Carolina

Institution: Clemson University
 Academic Unit: School of Agricultural, Forest and Environmental Sciences
 Website: <http://www.clemson.edu/cafls/departments/forestry/index.html>
 Contact: Patricia A. Layton, Director
 Degree awarded: Bachelor of Science
 Options accredited: Forest Resource Management
 Accredited through: 2013

Tennessee

Institution: University of Tennessee
 Academic Unit: College of Agricultural Sciences and Natural Resources, Department of Forestry, Wildlife and Fisheries
 Website: <http://fwf.ag.utk.edu/>
 Contact: Keith Belli, Head
 Degree awarded: Bachelor of Science in Forestry
 Options accredited: Forest Resources Management; Wildland Recreation
 Accredited through: 2016

Texas

Institution: Stephen F. Austin State University
 Academic Unit: Arthur Temple College of Forestry and Agriculture
 Website: <http://www.sfasu.edu/forestry/>
 Contact: Frank B. Shockley, Professional and Student Services Coordinator/Instructor
 Degree awarded: Bachelor of Science in Forestry
 Majors accredited: Forestry (tailored option); Forest Management; Forest Wildlife Management; Forest Recreation
 Accredited through: 2021

Institution: Texas A&M University
 Academic Unit: College of Agriculture and Life Sciences, Department of Ecosystem Science and Management
 Website: <http://essm.tamu.edu/>
 Contact: Heather Haliburton, Senior Academic Advisor
 Degree awarded: Bachelor of Science in Forestry
 Options accredited: Forest Resource Management
 Accredited through: 2013

Utah

Institution: Utah State University
 Academic Unit: College of Natural Resources
 Website: <http://www.cnr.usu.edu/wild>
 Contact: Michael Kuhns, Professor and Interim Department Head
 Degree awarded: Bachelor of Science in Forestry
 Options accredited: Forestry major
 Accredited through: 2020

Virginia

Institution: Virginia Polytechnic Institute and State University
 Academic Unit: College of Forestry & Wildlife Resources, Dept. of Forest Resources and Environmental Conservation
 Website: <http://www.cnr.vt.edu/forestry/>
 Contact: Janaki R.R. Alavalapati, Department Head
 Degree awarded: Bachelor of Science in Natural Resources
 Options accredited: Forest Resource Management, Forestry Operations and Business
 Accredited through: 2015

Washington

Institution: University of Washington
 Academic Unit: School of Environmental and Forest Sciences
 Website: <http://www.cfr.washington.edu>
 Contact: Michele Trudeau, Student Services Manager
 Degree awarded: Master of Forest Resources (Forest Management)
 Options accredited: Master of Forest Resources (Forest Management)
 Accredited through: 2016

West Virginia

Institution: West Virginia University
 Academic Unit: Davis College of Agriculture, Natural Resources & Design
 Website: <http://forestry.wvu.edu>
 Contact: Joseph F. McNeel, Director
 Degree awarded: Bachelor of Science in Forestry
 Options accredited: Forest Resources Management; Recreation, Parks, and Tourism Resources
 Accredited through: 2019

Wisconsin

Institution: University of Wisconsin-Madison
 Academic Unit: College of Agricultural and Life Sciences, Department of Forest and Wildlife Ecology
 Website: <http://www.fwe.wisc.edu/>
 Contact: William H. Karasov, Chair
 Degree awarded: Bachelor of Science in International Agriculture and Natural Resources; Bachelor of Science-Natural Resources
 Options accredited: Forest Science major leading to the BS-IANR; Forest Management and Forest Conservation tracks leading to the BSNR
 Accredited through: 2018

Institution: University of Wisconsin-Stevens Point
 Academic Unit: College of Natural Resources
 Website: <http://www.uwsp.edu/cnr/>
 Contact: Jan Harms, Associate Professor & Forestry Discipline Coordinator
 Degree awarded: Bachelor of Science in Forestry
 Options accredited: Forest Management; Forest Administration and Utilization; Forest Ecosystem Restoration and Management; Forest Recreation; Urban Forestry
 Accredited through: 2021

Educational Programs with SAF Specialized Accreditation in Urban Forestry**Virginia**

Institution: Virginia Polytechnic Institute and State University
 Academic Unit: College of Forestry & Wildlife Resources, Dept. of Forest Resources and Environmental Conservation
 Website: <http://www.cnr.vt.edu/forestry/>
 Contact: Janaki R.R. Alavalapati, Department Head
 Degree awarded: Bachelor of Science in Natural Resources
 Options accredited: Urban Forestry
 Accredited through: 2015

Institution: University of Wisconsin-Stevens Point
 Academic Unit: College of Natural Resources
 Website: <http://www.uwsp.edu/cnr/>
 Contact: Jan Harms, Associate Professor & Forestry Discipline Coordinator
 Degree awarded: Bachelor of Science in Forestry
 Options accredited: Urban Forestry
 Accredited through: 2021

Candidates for SAF Accreditation

Candidates for SAF accreditation have prepared a Report on Candidate Eligibility for the programs of study specified, which has been reviewed by the SAF Committee on Accreditation and found to meet the prerequisite criteria and to have the promise of meeting SAF accreditation standards for mission, goals and objectives, curriculum, program organization and administration, faculty, students, and parent-institution support. Candidates for accreditation have up to five years from the date of candidacy to prepare a final comprehensive self-evaluation report and host an onsite review by a visiting team, after which the self-evaluation and the report of the visiting team will be reviewed by the SAF Committee on Accreditation, which may or may not grant accreditation.

Maryland

Institution: University of Maryland
 Academic Unit: College of Agriculture and Natural Resources
 Website: http://www.psla.umd.edu/PLSC/C_urban.cfm
 Contact: Joseph Sullivan, Associate Professor
 Degree awarded: Bachelor of Science in Plant Science
 Candidate Options: Urban Forest Ecosystems
 Candidacy through: 2017

New Mexico

Institution: New Mexico Highlands University
 Academic Unit: College of Arts and Sciences
 Website: http://www.nmhu.edu/academics/undergraduate/arts_science/natural_resources/index.aspx
 Contact: David Hacker, Department Chair
 Degree awarded: Bachelor of Science
 Candidate Options: Forestry; Wildland Fire Management
 Candidacy through: 2013

SAF-Accredited Educational Programs in Forest Technology as of August 1, 2012

To be accredited by SAF, academic programs must prepare a self-evaluation report, host an onsite review by a visiting team, and undergo review by the SAF Committee on Forest Technology Accreditation, which determines that a program of study meets SAF accreditation standards for objectives, curriculum, faculty, students, program, parent-institution support, and physical resources and facilities. The academic programs listed below offer programs of study in forest technology and have completed the accreditation process.

Many forest and natural resources technology programs across the country offer a diversity of options or curriculum choices within an academic program – not all are accredited. Prospective students and other interested parties should contact SAF or the program directly to obtain specific information about accredited options. This listing is current as of August, 2012.

California

Institution: Reedley College
 Academic Unit: Department of Agriculture and Natural Resources
 Website: <http://www.reedleycollege.com/>
 Contact: Kent Kinney
 Degree awarded: Associate of Science
 Options accredited: Forestry/Natural Resources Technology
 Accredited through: 2019

Georgia

Institution: Abraham Baldwin Agricultural College
 Academic Unit: School of Agriculture and Natural Resources
 Website: <http://stallion.abac.peachnet.edu/>
 Contact: Rodney W. Brown
 Degree awarded: Associate of Applied Science
 Options accredited: Forest Technology
 Accredited through: 2018

Maine

Institution: University of Maine Fort Kent
 Academic Unit: University of Maine Fort Kent
 Website: <http://www.umfk.maine.edu/>
 Contact: David Hobbins
 Degree awarded: Associate of Science
 Options accredited: Applied Forest Management
 Accredited through: 2018

Maryland

Institution: Allegany College of Maryland
 Academic Unit: Division of Forestry, Math and Science
 Website: www.allegany.edu
 Contact: Steven F. Resh
 Degree awarded: Associate of Applied Science
 Options accredited: Forest Technology
 Accredited through: 2018

Minnesota

Institution: Itasca Community College
 Academic Unit: Natural Resources
 Website: <http://www.itasca.mnscu.edu/>
 Contact: Brad Jones
 Degree awarded: Associate of Applied Science in Natural Resources
 Options accredited: Forestry
 Accredited through: 2020

Institution: Vermilion Community College
 Academic Unit: Natural Resource Technology Program
 Website: <http://www.vcc.edu/>
 Contact: Jeff Nelson, Enrollment Services Director
 Degree awarded: Associate of Applied Science in Natural Resource Technology
 Options accredited: Forest Management/Wildlife
 Accredited through: 2020

New Hampshire

Institution: University of New Hampshire
 Academic Unit: Thompson School of Applied Science
 Website: <http://www.unh.edu/thompson-school/>
 Contact: Matt Chagnon
 Degree awarded: Associate of Applied Science
 Options accredited: Forest Technology
 Accredited through: 2017

New York

Institution: State University of New York- College of Environmental Science and Forestry
 Academic Unit: Ranger School
 Website: <http://www.esf.edu/rangerschool>
 Contact: Christopher L. Westbrook
 Degree awarded: Associate of Applied Science
 Options accredited: Forest Technology
 Accredited through: 2021

Oregon

Institution: Central Oregon Community College
 Academic Unit: Central Oregon Community College
 Website: <http://www.cocc.edu/>
 Contact: Michael Fisher
 Degree awarded: Associate of Applied Science
 Options accredited: Forest Technology
 Accredited through: 2019

Pennsylvania

Institution: Pennsylvania College of Technology
 Academic Unit: School of Natural Resources Management
 Website: <http://www.pct.edu/>
 Contact: Dennis Ringling
 Degree awarded: Associate of Applied Science
 Options accredited: Forest Technology
 Accredited through: 2020

Institution: Pennsylvania State University- Mont Alto
 Academic Unit: Forest Technology Program
 Website: <http://www.ma.psu.edu>
 Contact: Craig T. Houghton
 Degree awarded: Associate of Science
 Options accredited: Forest Technology
 Accredited through: 2021

Virginia

Institution: Dabney S. Lancaster Community College
 Academic Unit: Forest Technology Department
 Website: www.dslcc.edu
 Contact: Brian Keiling
 Degree awarded: Associate of Applied Science
 Options accredited: Forest Technology
 Accredited through: 2020

Being an SAF Student Member

Once you have started college, you are eligible to become an SAF member. As a member you can:

- enhance your professional skills
- build networks with experienced natural resource professionals
- identify potential employers
- gain exposure to a variety of specialty fields within the profession
- access information and resources to facilitate your schoolwork
- acquire a unique edge in a competitive job market

What you get as a student member.:

Networking Opportunities

- Interact with people who represent the diversity of the profession
- Meet potential employers at programs
- Attend SAF's National Convention where students take advantage of the unique opportunity to meet and learn from seasoned professionals
- Get technical expertise

Stay Informed

The *Journal of Forestry* is the most widely read forestry periodical in the world—and free with membership.

You also receive *The Forestry Source*, the newspaper that covers the latest critical issues affecting natural resources and what's happening inside SAF.



Visit the Student Area on www.eforester.org

Interact with students in the SAF social sites designed for students. Upload video or pictures, post questions, or event info. Learn what other chapters are doing.

- Find jobs and internships with the SAF online Career Center.
- Build your resume in the online database for employers to find.
- Access thousands of articles and resources for school projects.

Develop your leadership skills

- Become active in your school's SAF Student Chapter

or in a local SAF unit and acquire the vital skills that employers are seeking.

- Leadership skills are critical to your future career development and SAF's annual Leadership Academy will be a tremendous benefit to you!
- Find a career or get a scholarship
- Attend the annual career fair at the national convention where

many employers anticipate hiring right-on-the-spot.

- Apply for scholarships sponsored by Ben Meadows
- Engage in your organization
- Participate in your student chapter by helping with events and issues specific to your area.
- Engage in the National Student Congress (NSC), which meets annually to shape the direction of Society programs and activities.
- Attend National Convention where you can meet other students and forestry professionals from across America.



From Graduate to Certified Forester: Making the Transition

Attending an SAF-accredited program is the first step on your way to a successful career in forestry. What you learn in school is the cornerstone upon which the rest of your career will be built, but you can't stop there.

Harry Truman once said "It's what you learn after you know it all that counts." We believe this to be true, and that's where the Candidate Certified Forester credential comes in.

"It's important to make sure graduates have the right skill sets and understanding of forestry, and that they have the right skill sets to manage forest resources as they go into their career," said Louise Murgia, Director of Field Services at SAF. "Getting your Candidate Certified Forester credential shows your commitment to continuous improvement after graduation because learning doesn't stop after you get your degree. It shows that you're committed to continuing the education."

"It also sets you apart from everyone else and shows your commitment to professional standards and reflects your professionalism and that you take your role very seriously."

Applicants to the credential do not need any professional forestry-related experience to apply but must have less than 5 years of qualifying experience in the past 10 years upon receipt of the application.

What is required is a desire to continue what you started during your college studies.

Earning the Candidate Certified Forester credential will put you firmly on the path to the Certified Forester credential. It inspires every forestry graduate and those returning to the profession to earn a credential while gaining the experience needed to earn the Certified Forester credential.

The Certified Forester program ensures that foresters:

- Meet the profession's educational requirements
- Have at least 5 years of professional forestry experience
- Adhere to standards of professional practice
- Pass a rigorous competency exam that measures knowledge and skills
- Participate in continuing education

"Students may not realize the importance of certification for the long-term health of not only their career but the profession," says Murgia. "We're starting to see more and more the public asking for it, jobs wanting certified employees, and bids coming out from government agencies saying they want someone who's a Certified Forester so it's really important not to ignore it."



Society of
American Foresters
**Candidate
Certified
Forester**[®]

Distinctive Learn-by-Doing Education

California Polytechnic State University is a nationally ranked, four-year, comprehensive public university. We are located in San Luis Obispo, CA, halfway between San Francisco and Los Angeles on California's Central Coast. Our programs provide academically focused students a hands-on educational experience that prepares them for today's scientific and technical world.

The Bachelor of Science degree program in forestry & natural resources (FNR) and the Master of Science degree program in forestry sciences (FS) prepare students for careers in the protection and management of our forest and natural resources.

Accredited by the Society of American Foresters since 1994, our FNR program is housed within the Natural Resources Management and Environmental Sciences (NRES) department and enjoys a collaborative synergy with majors in environmental management & protection, earth sciences, and soil science.

Students can opt for concentrations in environmental planning and assessment, forest and environmental practices, natural resources recreation, urban forestry, watershed management and hydrology, wildland fire, or fuels management. Students may also pursue an individualized course of study.

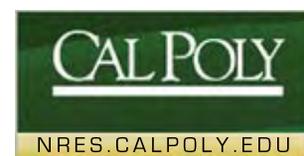
A Forest Stewardship Council (FSC) certified, 3,800-acre school forest of mixed-conifer and hardwood species enhances our learn-by-doing philosophy. We provide a quality education focusing on forest ecosystem management, critical thinking, problem solving, technical knowledge, human dimensions and communication skills.

Our graduates are highly sought after, and find employment in a variety of venues including government agencies, private industry, and environmental consulting.

Contact us

For additional information on the forestry programs at Cal Poly, San Luis Obispo, please visit our website at nres.calpoly.edu or contact us:

NRES Dept – Cal Poly
1 Grand Ave San Luis Obispo, CA 93407
nres@calpoly.edu or 805-756-2702



- Bachelor of Science program in forestry & natural resources with concentrations in:
 - environmental planning and assessment
 - forest and environmental practices,
 - natural resources recreation
 - urban forestry
 - watershed management and hydrology
 - wildland fire
 - fuels management
- Master of Science degree program in forestry sciences

Natural Resources Management & Environmental Sciences
Preparing passionate leaders driving change in sustainability and stewardship of the environment.

Everything You Want and More at Northern Arizona University

The School of Forestry at Northern Arizona University – a national and international leader in natural resource education, as well as forest education and research – offers rigorous classroom and field-based teaching and ground-breaking insights into the natural world.

Academic Programs

In addition to the Bachelor of Science in Forestry (BSF) program, which is nationally accredited by the Society of American Foresters, the School of Forestry offers five undergraduate certificates, a Master of Forestry, a Master of Science in Forestry, and a PhD. Want to receive both a bachelor's and master's degree in just 5 years? The integrated BSF to MF program is a solution to help save both time and money.

Diverse Learning Environments

The landscape and climate zones surrounding Flagstaff set the Northern Arizona University learning environment apart. Flagstaff is surrounded by the largest contiguous ponderosa pine forest in North America, and a short drive can cross into piñon-juniper plateaus, alpine forests, the tundra, and even massive vistas such as those found in Sedona's red rock country. And, of course, the state's gem, the Grand Canyon, is only 72 miles away.

A 50,000-Acre Living Laboratory Minutes Away from Campus

The local 50,000-acre Centennial Forest contains a multitude of environments for students to study, from desert grassland to ponderosa pine forest. More than a mere 'forestry department forest,' the Centennial Forest is a true interdisciplinary outdoor laboratory. It provides teaching and research space for many disciplines, including anthropology, geology, geography and public planning, and biology.

Both undergraduate and graduate students make contributions to the School's living laboratory and data collected by students is used to help manage the forest. What better way to learn than by actually participating in the entire process of natural resource management, from data collection to decisionmaking?

Community

The "Tree House," a freshman learning community, is located in a residence hall on campus and is designed to help students build relationships with fellow foresters who share common academic and extra-curricular interests. Tree House activities include faculty-hosted events, visits from professional foresters, and a challenge course to build teamwork and leadership skills high above the ground with other learning community residents.

At the beginning of each fall semester, a campout is sponsored in the Centennial Forest. This camping trip orients and

welcomes students to the School of Forestry, while providing the opportunity to meet faculty, staff, and fellow students. During the campout, students are given a first look at the immense living laboratory and experience the great outdoors with professors and friends.

Distinguished Faculty

In addition to being excellent teachers and mentors, many professors have made names for themselves in the field. The school's faculty recently ranked tenth among forestry programs nationally by the Faculty Scholarly Productivity Index.

Jim Allen, executive director of the School of Forestry, is a Fellow of the Society of American Foresters, considered one of the highest honors for members of the society. The fellowship is bestowed upon approximately five percent of members by their peers for outstanding



contributions and service to the Society and the profession.

Wally Covington, Regents' Professor and executive director of the university's Ecological Restoration Institute, was among 21 people named to a federal advisory committee charged with providing guidance and recommendations on the implementation of the new US Forest Service Planning Rule.

Wildlife Ecology Professor Carol Chambers serves as Southwest Section Representative for the Wildlife Society, a nationally elected position on the Society's governing council.

Regents' Professor Paul Beier is the President of the Society for Conservation Biology, an international professional society of approximately 13,000 members. Dr. Beier has a strong international reputation for his research on conservation corridors and other work related to wildlife and biodiversity.

Regents' Professor Emeritus Michael Wagner received the Sir William Schlich Memorial Award, which is awarded every 2 years by the Society of American Foresters for outstanding contributions to the field of forestry. Wagner, who is only one of a handful of people to ever receive this prestigious award—Franklin Roosevelt was the first recipient in

1935—was honored for, among other things, his "substantial and lead role in the internationalization of the forestry curriculum at Northern Arizona University School of Forestry."

Job Placement

Seminars, workshops, and mock interviews with forestry employers help prepare students for the working world. Through these seminars and workshops, which all forestry majors participate in, students also learn how to craft effective resumes and cover letters and how to shine in interviews.

In addition to helping build these skills, the school's robust forestry job center assists students in acquiring seasonal work or internships while in school, or full-time job placement upon graduation. Advisers are available to assist students in reaching their career goals in the forestry field.

- Christopher Sorensen, District Planning Forester, US Forest Service
 - Rick Cables, Director for the Division of Colorado Parks and Wildlife
- Cables says, "I loved NAU's integrated approach to providing a forestry education. The idea of forcing students to think about the multiple resources and how they interact with each other as an entire ecosystem has proven to be innovative and ahead of its time."

Partnerships

Through extensive partnerships with forestry agencies, the School of Forestry operates out of the Southwest Forest Sciences Complex, a building that houses the School of Forestry in one wing and a unit of the US Forest Service's Rocky Mountain Research Station in another.

The School also has a strong relationship with the university's Ecological Restoration Institute (ERI). The ERI seeks to alleviate the symptoms of severe wildfires and poor forest health through forest research, outreach, and education, as well as targeted forest thinning and other scientifically proven techniques. Undergraduate and graduate forestry students gain valuable field experience by working with ERI on research and restoration projects.

The University

Commitment to Sustainability

Sustainability is a longstanding commitment at Northern Arizona University – so much so that a vibrant, sustainable community is one of the university's seven strategic goals.

University President John Haeger has set the goal of making the university carbon neutral by 2020. The university is working toward this goal by implementing programs and initiatives in areas like facility services, community engagement, recycling, transportation, dining, and green building.

The university's commitment to sustainability caught the *Princeton Review's* eye, which listed it in its *Guide to 286 Green Colleges* for demonstrating "an exemplary commitment to sustainability."

Connect with Us

When you visit www.nau.edu/forestry, you can investigate the degree path that is right for you. Read about and listen to the School of Forestry's latest research, see resources available to students, and even connect with current students, staff, and faculty through our forestry e-mail listserv. Learn even more about the forestry student experience at NAU by liking our Facebook page (facebook.com/NAUForestry) or by visiting the NAU School of Forestry channel on YouTube.

Get inspired and take your first step toward a career in forestry at NAU's School of Forestry!

Successful Alumni

Alumni find employment within the ranks of government and private industry in natural resource management, research and more. Some of our successful alumni include:

- Cecilia A. Romero Seesholtz, Supervisor, Idaho's Boise National Forest
- Mary Coulombe, Chief of Natural Resources, US Army Corps of Engineers
- Michael Ryan, Research Forest Ecologist, US Forest Service Rocky Mountain Research Station
- Forrest Cole, Supervisor of Alaska's 17-million acre Tongass National Forest
- Nathan Cordova, Fire Prevention Officer, US Forest Service
- Amanda Grady, Entomologist, US Forest Service
- Julie Korb, Associate Professor, Fort Lewis College
- Daniel Laughlin, Senior Lecturer, University of Waikato, New Zealand
- Jason Metnick, Senior Director, Market Access and Label Use, Sustainable Forestry Initiative
- James Pitts, District Ranger, US Forest Service
- Elizabeth Sandler, Director, American Tree Farm System, American Forest Foundation

A TOP FORESTRY PROGRAM

like nowhere else in the world

The Northern Arizona University School of Forestry is a gateway to a fulfilling career—and an invitation to create sustainable solutions and outdoor enjoyment for years to come.

- National and international leader in natural resource education and forest research
- Ranked No. 10 in the nation among forestry programs in an index measuring faculty scholarly output
- Nationally accredited by the Society of American Foresters
- Listed in the *Princeton Review Guide to 286 Green Colleges* for demonstrating “an exemplary commitment to sustainability”



nau.edu/forestry

Connect to the Natural World through West Virginia University

The Division of Forestry & Natural Resources at West Virginia University combines the warmth of a small school with the resources of a research university. Our faculty strive to spark a passion for the principles of stewardship and sustainability of our renewable natural resources by providing students the education to assume leadership roles, advance research knowledge, and provide professional service to society.

WVU is a great environment for learning about the world's natural resources and how these resources can be sustainably managed to serve society and future generations. Professors teach their own classes and interact with students daily. They are caring and accessible, and on a first-name basis with students. Our students are close-knit group who experience a hands-on, rigorous, and professional education. Students study, recreate, and work together as they train to become future leaders in natural resources management.

The 7,600-acre WVU Research Forest provides opportunities for hands-on, field-based exercises demonstrating the concepts and ideas that students are exposed to in class. Students may be involved in activities addressing basic ecosystem processes (e.g. stream discharge generation, forest reproduction, forest growth, and energy transfer through forest canopies) as well as sustainable uses of forest resources.

WVU's Division of Forestry & Natural Resources has four programs of study: forest resources management; recreation, parks, and tourism resources; wildlife and fisheries resources; and wood science and technology. Both the forest resources management and the recreation, parks, and tourism resources programs are accredited by SAF through 2019.

Programs: The forest resources management program prepares students for an active role in the sustainable management of forests. The curriculum emphasizes the management of land for production of timber resources, with due consideration given to other forest values such as wildlife habitat, recreational opportunity, and water quality. Students graduate with a clear understanding of how social and economic

goals can be met while maintaining the long-term productivity of forested lands.

Forest resources management students are prepared for careers in professional forestry ranging from consulting for private woodland owners to managing vast tracts of public forestland. Students are trained in life sciences – biology, ecology, tree identification, and sustainable forestry – and specialized sciences such as forest biometrics, forest economics, forest hydrology, geographic information systems (GIS), and remote sensing of forest resources.

Research is focused on topics in arbori-

ation, sustainable tourism, or parks and outdoor recreation.

Recreation parks and tourism faculty research topics in adventure recreation, agricultural tourism, natural resources planning, ecotourism, environmental and cultural interpretation, land management, leadership training, outdoor recreation use and monitoring, park management, sustainable tourism, and tourism marketing.

Minors: Students can enhance their undergraduate education by completing a minor in a complimentary field of study. Students can choose a minor in arboricul-

students to interact more closely with professors who serve as advisors.

Scholarships are offered based on academic success, need and extra-curricular activities. Our Division alone awarded 44 scholarships totaling \$64,000 to qualified Division-based students in 2012.

Students from select states may qualify for reduced tuition through a variety of programs. Through the Southern Regional Education Board (SREB) Academic Common Market, WVU allows students from SREB member states to enroll in certain programs at in-state tuition rates.

Ohio students can enroll in any of the four undergraduate programs within the Division and pay in-state tuition through WVU's Ohio reciprocity agreement.

A resident of Maryland can receive in-state tuition as a full-time student pursuing a bachelor's degree in forest resources management; recreation, parks and tourism; or wood science and technology.

Residents of

Delaware, Kentucky, and Virginia can receive in-state tuition as full-time students pursuing an undergraduate degree in forest resources management.

Delaware, Virginia, Georgia, or South Carolina residents receive in-state tuition as full-time students pursuing a bachelor's degree in wood science and technology.

Find out more at <http://apply.wvu.edu/costs/reducedtuition>.

Graduate Opportunities: Students planning education beyond their bachelor's degree should consider the WVU Peace Corps Master's International Program in Sustainable Forestry and Natural Resource Management. The program allows students who are US citizens to combine the pursuit of a graduate degree at WVU with a full Peace Corps tour of service. Master of Science degrees are available across a broad range of WVU departments related to environmental and sustainability studies.

Students seeking a hands-on career in the natural world will find a home at WVU. Come take a look and...

Connect to the natural world through WVU!



culture, biodiversity, carbon credit trading, community outreach and education programs, forest biometrics, forest ecology, forest economics, forest fire protection, forest hydrology, international forestry, silviculture, timberland investment, watershed management, and urban forestry.

The wood science and technology program focuses on the sustainable uses of wood and wood products. The wood science and technology program is one of only 10 in the United States accredited by the Society of Wood Science and Technology. Our students are prepared for professional careers in various sectors of the wood products industry with a focused understanding of sustainable harvesting, processing, manufacturing, and green construction. Students are prepared for careers dealing with biofuels, architectural woodwork, furniture, cabinetry, composite materials, and engineered wood products.

The recreation, parks, and tourism resources program prepares students for careers focused on careers in a wide range of public, commercial, and nonprofit agencies. Students are required to select one of three areas of emphasis during their coursework, including adventure recre-

ation, conservation ecology, or even in one of the four programs in the Division. The minor in arboriculture provides students employment opportunities in both urban forestry and ornamental horticulture.

Our students have also been successful in combined programs leading to a major in one program and a minor in another. Some of our most successful graduates started their careers with a major in forest resources management and a minor in wildlife and fisheries management.

Student Organizations: We strongly encourage our undergraduates to enhance their career options and college experience by participating in various student organizations and professional societies. The student chapter of the Society of American Foresters specializes in education and community service, the Woodsmen's Team travels locally and regionally to compete with other schools in timber sports, and Xi Sigma Pi is the Forestry Honors society that promotes high academic standards among forestry students. The student chapter of the Professional Recreation and Parks Society focuses on education and community outreach. Besides promoting camaraderie, these organizations allow

YOUR FUTURE IS
THE LAST FRONTIER.
HOW WILL YOU
GET THERE?



West Virginia University®

WVU offers an SAF accredited BSF, as well as MS, and PhD degrees in:

**Forest Resources Management
Recreation, Parks & Tourism Resources**

In addition to BS, MS, and PhD degrees in:

**Wood Science & Technology
Wildlife & Fisheries Resources**

And minors in:

**Arboriculture
Conservation Ecology**



West Virginia University also has a
**Peace Corps Master's International
Program in Sustainable Forestry
and Natural Resource Management**
peacecorps.davis.wvu.edu

CONNECT TO WVU FORESTRY & NATURAL RESOURCES

Web: forestry.wvu.edu
Phone: (866) 248-1206
E-mail: forestry@mail.wvu.edu



 Facebook: facebook.com/wvuforestry
 YouTube: youtube.com/wvuforestry
 Google+: gplus.to/wvuforestry
 Twitter: [@WVUForestry](https://twitter.com/WVUForestry)

A Top-Ranked Program for a Future Career in Forestry

The Department of Forest Resources at the University of Minnesota is a leader in natural resources education, research, and outreach. If you are looking for an education to propel you into a great natural resource career, come see why we are consistently ranked as one of the top programs in the country for both undergraduate and graduate education.

Our undergraduate program includes studies in forest resources: forest ecosystem management & conservation, forest resources: urban & community forestry, and recreation resource management. Students gain a strong foundation in the biological and social sciences and then how to apply that knowledge to natural resource management. Students also benefit from field sessions at the 3,500-acre Cloquet Forestry Center, which gives them the essential, hands-on experience that employers typically demand. This interdisciplinary, experiential approach provides a well-rounded education with enough room for students to specialize and stand out in the job market. The department currently has a scholarship guarantee to any new student entering the forest resources major.

Our graduate program in natural resources science & management – ranked

tionally by the National Research Council – offers eight tracks of study for Master's and PhD candidates. Graduate students can choose from a wide array of topics to study, including forest biology, forest ecology, conservation, management, recreation resources, tourism, environmental education, economics, policy, forest hydrology, watershed management, geospatial analysis, assessment and monitoring, wildlife ecology, paper science, and forest products.

The interdisciplinary graduate program allows students the flexibility to build an individualized program specific to their academic and career goals. Paired with an advisor from day one, students have experienced faculty to help them build and excel in their program. Generous fellowships and assistantships are available. In addition, students who want to make a significant international impact have the unique opportunity to earn a master's degree while serving with the Peace Corps through our Peace Corps Master's International program.

Beyond the caliber of the curriculum, what makes the University of Minnesota stand out? To begin with, the Department of Forest Resources has exceptional faculty. They are leaders in their field who have been recognized nationally and

internationally and are active in projects and research locally and globally. These experiences are brought into the classroom to create a unique learning environment that reaches beyond the textbook into real-world applications. As a leading research institution with top faculty, students interested in research find invaluable experience at the University of Minnesota.

Another benefit of the University of Minnesota is location, location, location. Our programs are based out of the Saint Paul campus, which provides a small community feel while still having all the resources and opportunities of a diverse Big Ten University. Whether you are interested in research, study abroad, sports, or enjoying courses in any topic from fencing to Swahili, the University of Minnesota has it all and then some. The program has extremely active clubs, including the Forestry Club, Society of American Foresters – Minnesota Student Chapter, Xi Sigma Phi, and a Timbersports Club. These organizations provide great opportunities for socializing, networking, and leadership development.

Our location in the heart of the Twin Cities also helps us to build relationships with local, state, and federal agencies as well as leaders in industry. We are closely

connected to the pulse of natural resources and often provide a strong leadership role to the community. These relationships also create valuable networking opportunities for students.

Beyond Minneapolis and Saint Paul, the Department of Forest Resources has numerous centers, cooperatives, and field stations across the state and region. The Cloquet Forestry Center in northern Minnesota is the primary research and education forest for the University. The Center offers a world-class facility that is utilized by students, faculty, and community members alike. Other centers, such as the Wilderness Research Center near Minnesota's famous Boundary Waters Canoe Area Wilderness, expand the Department's ability to provide the best in research and education.

Alumni of our undergraduate and graduate programs go on to become leaders in the field. Some of our recent graduates hold titles such as forester, park ranger, community conservation manager, owner of a sustainable urban landscaping company, policy and planning coordinator, and biomass program consultant. Imagine the natural resource career you want, and visit www.forestry.umn.edu to see how we can help you reach your goals.



UNIVERSITY OF MINNESOTA

Our top ranked undergraduate and graduate programs (MS and PhD) in forestry, recreation, and natural resources are ready to help you reach your goals.

- Interdisciplinary studies for a strong and well-rounded education
- Based in the Twin Cities with strong connections to local, state, and federal government as well as industry leaders
- Faculty are experts in their field and recognized nationally and internationally for their work
- Fundamental and applied research providing field-tested answers to the most pressing questions in natural resources
- Field stations across the state provide hands-on education as well as exceptional research opportunities

Learn more at www.forestry.umn.edu



The Warnell School of Forestry & Natural Resources: A Classroom with a view

Your professors will know your name. The downfall to attending a large university is that you run the risk of being lost in the crowd – of taking a class with 300 other people or your professor not knowing your name.

That won't happen at the Warnell School of Forestry and Natural Resources. The Warnell School may be the second-smallest school at the University of Georgia, but we offer big rewards – small classes, professors on a first-name basis, and one-on-one teaching.

And we have class outside.

The Warnell School is the oldest forestry school in the south. In recent decades, our programs have expanded to include award-winning and internationally recognized research and teaching, both unparalleled in the south. We emphasize the conservation and sustainable management of our precious natural resources, and so we focus on learning and researching new and better ways of using and restoring our renewable resources. We do this through hands-on, in-the-field teaching, through groundbreaking research across the world, and through outreach to our community. When you graduate from the Warnell School, you will understand the challenges facing our

ecosystems and you will be prepared to help manage and balance them.

Our Program

The Warnell School provides a well-rounded education that prepares students to serve in a variety of occupations. The Bachelor of Science curriculum in forest resources consists of two consecutive programs, the preprofessional and professional. These programs cover the foundation in the biological, physical, and social sciences, the humanities, 2 years of forest resources courses, as well as specialized study in the student's selected major.

Our Majors

The fisheries and wildlife program is recognized as one of the premier programs in the country and equips students to become fishery and/or wildlife biologists. There are three areas of emphasis for this major, including aquatic or wildlife sciences and a wildlife prevet track. The course work is broad-based, furnishing an understanding of the interrelationships among the physical and biological elements of the natural environment, an appreciation of the social, political, and economic forces that influence fish and

wildlife management, and the ability to analyze natural resource problems to forge realistic solutions.

Forestry is the profession of sustainably managing forestlands to meet society's demands for wood, clean water, wildlife habitat, recreation, conservation of forest flora and fauna, and climate amelioration. The nationally accredited forestry curriculum is widely regarded as one of the top five forestry programs in the country. It provides a sound understanding of forest ecosystems, the various ways people view and utilize the forest, and management tools and concepts applied in forest conservation and management.

The natural resources recreation and tourism major provides undergraduate students with an appreciation for the management of natural resources for outdoor recreation and nature-based tourism opportunities. An integral part of the major involves helping students to better understand the "human dimension" aspects of managing natural resources.

The water and soil resources major emphasizes assessment, conservation, and rehabilitation of the soil, water, wetland, and endangered species components of the natural landscape. The core

curriculum is broad-based, furnishing a comprehensive understanding of the physical and biological elements of the natural environment; an appreciation of the social, political, and economic forces that influence natural resources policy decisions; and the ability to analyze natural resource problems to forge realistic solutions.

The Warnell School's lectures are not limited to classrooms and auditoriums. Students learn with hands-on, in-the-field exercises, as well as in high-tech scientific laboratories. The Warnell School operates in a four-building complex on UGA's south campus, but we also own 23,000 acres of forestland across the state for outdoor classroom space and research.

Our state-of-the-art scientific laboratories are available 24 hours a day to study specimens and to conduct research. These labs include off-site locations like Whitehall Forest, a 740-acre research forest, which houses a fish hatchery, white-tail deer research barns, soil pits, an arboretum of native tree species, and a wide variety of wildlife habitats. Students receive hands-on training for practical skills needed in natural resources management.

LEARN WITH US

We offer undergraduate and graduate degrees in four majors that focus on conserving and managing our vital natural resources. Although located within a large university, the Warnell School offers students a small school atmosphere with one-on-one interaction with professors, small classes and field teaching. We also offer financial aid for qualifying students.

DEGREES

Bachelor of Science in Forest Resources
Master of Forest Resources
Master of Natural Resources
Master of Science
Doctor of Philosophy

UNDERGRADUATE MAJORS

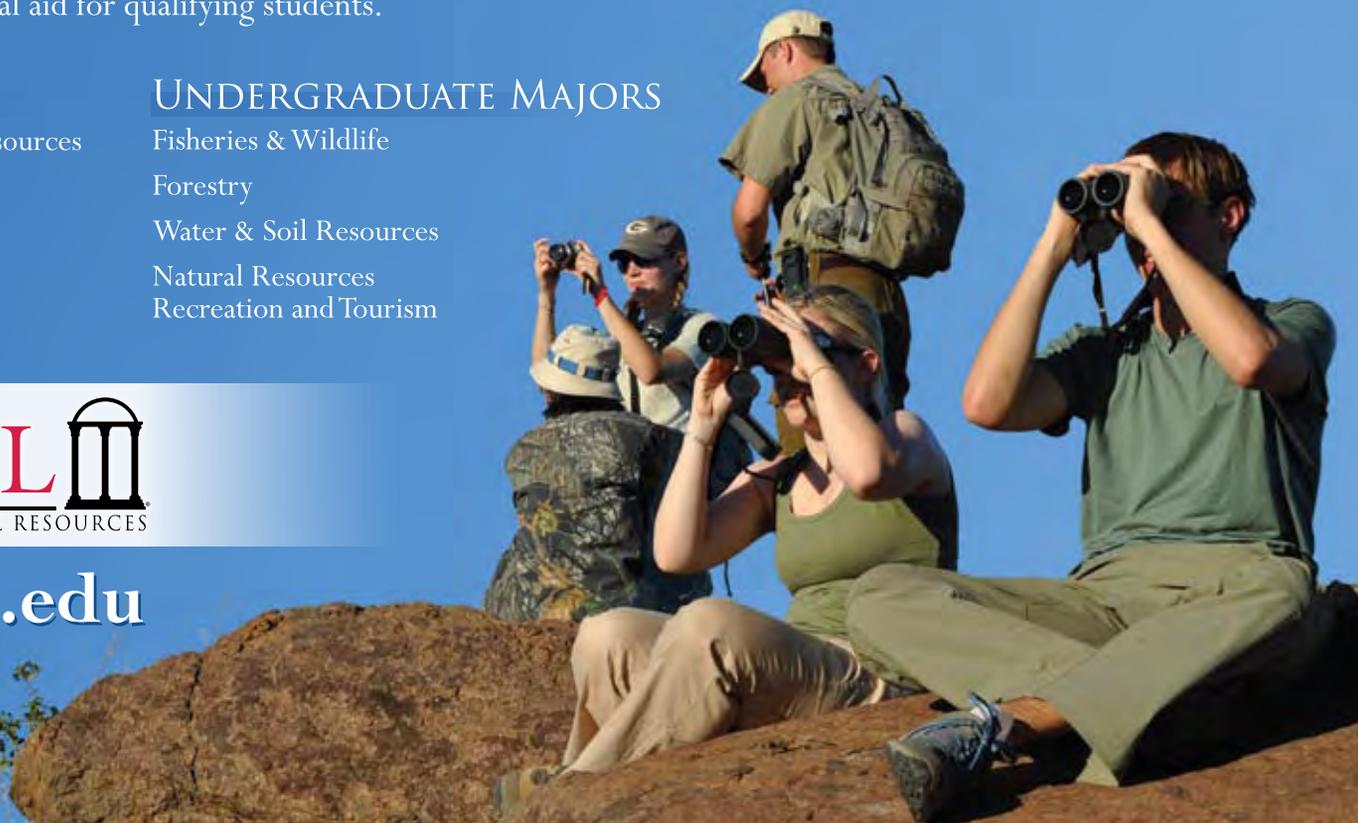
Fisheries & Wildlife
Forestry
Water & Soil Resources
Natural Resources
Recreation and Tourism

The University of Georgia

WARNELL 
SCHOOL OF FORESTRY & NATURAL RESOURCES

warnell.uga.edu

180 East Green Street
Athens, Georgia 30602
706.542.2686



Think about the Planet. Think about Your Future. Think about Yale.

Founded in 1901, the Yale School of Forestry & Environmental Studies (F&ES) is the oldest natural resource program in the United States. From its earliest days, the school has had a profound impact on American forestry – it was founded by Gifford Pinchot and Henry Graves, the first two leaders of the US Forest Service. They were followed by F&ES alums who occupied the next three chief positions. The school has also firmly established itself internationally, continuously producing graduates who are leading the way across the globe in the fields of forestry and environmental studies for more than a century.

Students are able to pursue a Doctoral degree or one of four Master's degrees – 2-year Master of Forestry [SAF accredited], Master of Forest Science, Master of Environmental Management, or Master of Environmental Science. The Master of Forestry (MF) and Master of Forest Science (MFS) degrees are small and select. The school graduates 10 to 20 students a year in each of these tracks and alumni are highly trained to take leadership roles in identifying and guiding paradigm shifts in forest management. Our students are chosen from a wide range of academic, personal, and environmental backgrounds,

are selected for their sense of maturity and focus, and possess a drive to change the world around them.

The programs at F&ES are also distinctive – the MF is one of only two of its kind at the graduate professional level. Students grapple with topics like watershed management, carbon and climate amelioration, biodiversity and open space conservation, community development, and reforestation investments. Students learn to “think like a forest” – letting stand dynamics and native forests guide the management of the forest as a resource for people. This idea was first presented by famous F&ES alum Aldo Leopold (MF, 1910). Mediation, sensitivity, and understanding are also emphasized when working with landscapes and F&ES students think about how policy issues, ecosystem services, and forest management are intertwined.

The MFS is research-based, with a curriculum designed to allow students to create a program around their disciplinary area of interest that culminates in a final thesis. A required component of this degree is summer research, and our students receive funding to travel around the world for their projects. The MF has a focus on management and policy. Students begin with foundation courses (e.g. soils,

forest ecology, social ecology and policy science). They then acquire skills and tools in gathering information (e.g. statistics, geographic information systems (GIS), and remote sensing).

Techniques for assessing, maintaining, and managing human values are studied in silviculture, economics, and law, followed by courses that help students synthesize and analyze resource management in their area of interest. These can include watershed management, timber and nontimber products, carbon, agroforestry, urban forestry, and protected areas. The program culminates in a capstone seminar that allows students to develop leadership and management skills. MF students spend a summer completing a funded internship working on a resource area of their choice to further their career interests and goals.

Many distinctly Yale opportunities are introduced when you become a member of the F&ES community. The twelve centers and programs on campus are each a focus of research or application in a particular field that has been deemed of paramount importance to F&ES.

Examples include:

The Global Institute of Sustainable Forestry, which integrates, strengthens, and directs the school's forestry research,

education, and outreach.

The Yale Forests – more than 12,000 acres of managed forest for extension, demonstration, and research

The Environmental Leadership and Training Initiative, designed to provide training for government officials, NGOs, educators, and community members to help conserve tropical forests

The Forests Dialogue, established to create conversation between stakeholders across the world regarding sustainable forest management.

Our graduates pursue careers in many areas including:

- forest finance
- extension and education
- the management of public lands, entrepreneurial business (carbon, ecosystem services, reforestation)
- climate and forest conservation
- certification
- land trusts and open-space conservation
- management of urban and community forests
- agroforestry
- rural/community development
- tropical forest restoration.

Learn more online (www.environment.yale.edu). Think about the planet. Think about your future. Think about Yale.



Yale SCHOOL OF FORESTRY & ENVIRONMENTAL STUDIES

Take a closer look:

Master's degree programs available in: Forest Science, Forestry (SAF-accredited), Environmental Management, Environmental Science

Joint-degree programs available in: Architecture, Public Health, Management, Law, Religion, International Relations, International & Development Economics, and Law

Mid-career MF & MEM (one-year program for those with at least 7 years of work experience in the field)

Doctor of Philosophy

Funding available for both PhD and Master's programs

**Think about the Planet.
Think about your Future.
Think about Yale.**

University of Kentucky Is One-of-a-Kind in the Bluegrass State

If you would love a career outdoors, a forestry degree from the University of Kentucky is right for you.

Kentucky forests are predominately hardwoods and contribute to clean water and air, carbon sequestration, wildlife habitat, aesthetics, tourism, and outdoor recreation. Almost half the state is covered by forests, supporting a vibrant, multibillion dollar wood industry that occupies 110 of 120 counties throughout the Commonwealth. Faculty and students in the department study all of the benefits provided by Kentucky's forests but we also research the biggest threats including: wildfire, invasive pests, fragmentation, and development. (Source: UK Cooperative Extension Service and USDA Forest Service)

Bachelor of Science in Forestry from the University of Kentucky

A forestry degree will prepare you to work with a diversity of landowners, agencies, wildlife, and a wide range of forest industries to help manage the benefits of and threats to forests throughout the region. As a forestry major, you will learn:

- how a forestry degree is an effective background for managing forests and a wide range of natural resources
 - wildlife and watershed management
 - how to enhance the health and integrity of our forests
 - forest policy and ways to address complex socioeconomic issues involved with practicing forestry
 - fundamental forestry concepts such as dendrology, ecology, silviculture, and forest measurements
- UK's Forestry Department is the only forestry degree-granting institution in the state. Our forestry program is accredited by the Society of American Foresters, and enjoys a very high job and graduate school placement rate for our students.



University of Kentucky undergraduate forestry students measure elk herbivory on reclaimed minelands in eastern Kentucky.

Our classes are designed to give students hands-on field experiences using the latest technology to learn about forestry practices. During their junior year, forestry students participate in the spring field semester, which consists of 16 weeks of hands-on, outdoor field work and travel throughout the state to learn about forestry. We also work with students who are interested in hands-on, experiential learning opportunities through internships and summer employment.

Many students also choose to pursue a degree in our interdisciplinary companion program, Natural Resources and Environmental Science (www2.ca.uky.edu/nres/).

Contact Us

For additional information on the undergraduate forestry program at the University of Kentucky, please visit www.ca.uky.edu/forestry/ or contact:

Laura Lhotka
Academic Coordinator
Department of Forestry
University of Kentucky
laura.lhotka@uky.edu
(859) 257-8718

Small classes, big classrooms.

www.ca.uky.edu/forestry



DEPARTMENT OF FORESTRY

NCSU Developing Future Leaders in Research and Forest Management

North Carolina State University's Department of Forestry and Environmental Resources believes in changing the world one student at a time through education, hands-on experience, study abroad, internship, and research opportunities. Each year, NCSU produces leaders in the science and practice of modern forestry. With more than 80 undergraduate and 55 graduate students in the forestry program, NCSU offers students flexibility to mold their curriculum to specific interests through experiential learning opportunities.

With this model, NCSU is educating students to become future researchers and forest managers. Facilities, including more than 90,000 acres of college-owned forests, provide the perfect learning environment for our students to research and put their knowledge into practice. Graduate students continuously research cutting-edge areas such as biofuels and climate change, fire policy, and pine genetics. Undergraduate students complete a 9-week summer camp, where they complete courses in forest measurements, plant community ecology, silviculture, fire management, and wildlife management.

Students also participate in projects on industrial, national, and state lands across North Carolina, including active projects at Fort Bragg, Coweeta Hydrological Lab, and the Center for Environmental Farming Systems. Not only are our students learning outside of the classroom, they are also learning outside of the country. Students are actively participating in ongoing study abroad and research trips to Sweden, Chile, and other international locations. Departmental scholarships, assistantships, and travel awards support many of these experiences.

The Department of Forestry and Environmental Resources focuses on creating optimal learning experiences for students to achieve personal, educational, and career goals. With roots dating back to 1929, NCSU's forestry department has a strong support network in place to provide a variety of opportunities for students to succeed in countless ways. The small, close-knit environment that the department provides creates the perfect mix of faculty interaction, peer collaboration, and individual growth. For more information, contact us at forestry-web@ncsu.edu.

TURN YOUR PASSION INTO ACTION

Analyze forest conditions at the demonstration forest during the 9-week **Forestry Summer Camp**

Spend class time learning land management practices in over **90,000 acres** of college-owned forests

Explore conservation techniques for native forests while **studying abroad** in Sweden, Chile, Brazil & more

Research with faculty members and discover how soil carbon dynamics affect tropical plantation forestry



COLLEGE OF **NATURAL RESOURCES**
Department of **Forestry & Environmental Resources**
Undergraduate and graduate degrees

NC STATE UNIVERSITY

go.ncsu.edu/saf 919.515.2891

Make a Difference with a Forestry Degree from Penn State University

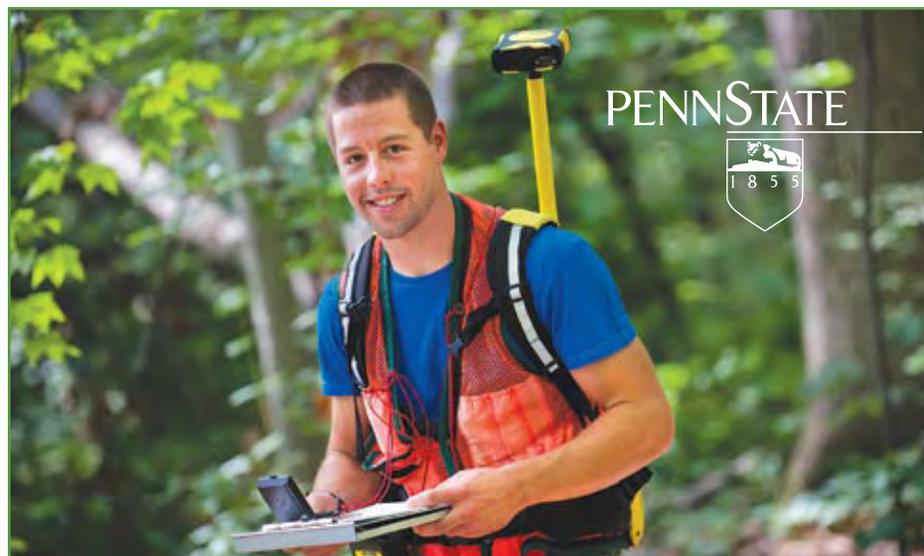
Nature and science. Environment and research. Conservation and quality of life. Business and leadership. Global health and human welfare. That's what the Forest Science major at Penn State is all about.

A career in forestry may have you working in a forest, in an urban community, in a laboratory, or in an executive suite. The Forest Science program at Penn State prepares you for different career paths by offering opportunities for outdoor labs, independent research projects, study abroad, and various academic options and minors.

Penn State has offered a bachelor's degree in forestry since 1907 and was one of the first programs to be accredited by the Society of American Foresters. Forests comprise 60% of Pennsylvania, a state that leads the nation in the production of high-quality hardwood lumber. Our graduates know well how to manage forests not only for the production of forest products, but also for a multitude of goods and services. Graduates are equipped to manage natural resources in a fashion that is sound environmentally, economically, and ethically. Many are leaders in corporations, agencies, nongovernmental organizations, and consulting firms.

Penn State also offers related opportunities including associate degree programs in forest technology and wildlife technology; baccalaureate degree programs in wildlife and fisheries science, wood products, and environmental resource management; and graduate degree programs in forest resources, wildlife and fisheries, and ecology.

Come learn and grow among the best! Visit us at <http://ecosystems.psu.edu>.



Go green with our major in Forest Science!

Have a forest for a classroom. In our Forest Science major, you can have a hands-on learning experience.

Our flexible degree options can help prepare you for careers in:

- Forest and natural resources management
- Forest biology
- Urban forestry
- Watershed management

If you think you can't make a difference...

ThinkAgain

▶ thinkagain.psu.edu/forestsience



Start Your Forestry Career at the University of Idaho

At the University of Idaho, we are proud to have one of the first programs accredited by SAF when it began accreditation in 1935. Our SAF-accredited BS forest resources program of study is in the Department of Forest, Rangeland, and Fire Sciences.

A degree from this program provides a solid foundation for professional foresters to make science-based management decisions for the forests of the 21st century and beyond. As part of a land-grant research university, our students have the opportunity to gain hands-on field and lab experience as they work with nationally recognized faculty on a wide variety of research projects throughout the west.

The College of Natural Resources also has a core curriculum featuring courses in ecology, economics, geospatial tools, and societal issues — allowing forestry students to be better prepared for the interdisciplinary nature of professional natural resource careers. Our graduates have excellent career opportunities across a variety of employers, such as federal and state agencies, private industry, nonprofit organizations, and private forest landowners.

The Frank Pitkin Forest Nursery is the only operational forest nursery associated with a university program in the country. Join our students and work at the nursery to help produce more than 300,000 seedlings a year for reforestation activities undertaken by more than 1,500 citizens throughout the region.

The 10,000-acre Experimental Forest is a working forest used by students and faculty in the forestry program to conduct field exercises. Almost all students have career-related summer employment opportunities and/or internships with federal and state forest land-management agencies, private timber companies, consultant forestry companies, and other natural resource organizations. Many of these lead to permanent positions after completing the degree.

Our degree has the flexibility for students to add a minor in forest operations, fire ecology, or another field of interest. The BS fire ecology and management degree was the first bachelor's program in wildland fire management in the United States. The new BS renewable materials degree is also in the department. This degree focuses on renewable materials with a fully integrated business-forest products dimension. The emphasis is on producing sustainable, engineered wood products, biobased composites, and other biobased materials. Visit www.uidaho.edu/cnr/frfs for more information.

University of Idaho

College of Natural Resources



The University of Idaho has offered students the opportunity to pursue a forestry education for over 100 years. We use a hands-on approach to develop the strategies needed to meet the challenges of our ever-changing world.

Learn more | www.uidaho.edu/cnr/frfs | 208-885-5018
Department of Forest, Rangeland, and Fire Sciences

Trade Your Desk for the Wild and Wide Great Outdoors

Oklahoma's vast natural resources range from the forests in eastern Oklahoma to the high plains in the Panhandle. Forests cover more than 17 percent of Oklahoma's land area and rangelands cover more than 50 percent. The precipitation, soils, and temperature differences across the state result in 12 Level 3 US-EPA ecoregions.

Oklahoma State University offers a broad array of natural resource options to understand and manage these diverse resources. Undergraduate and graduate students in the Department of Natural Resource Ecology and Management (NREM) can specialize in:

- forest ecology and management (accredited by the Society of American Foresters)
- wildlife ecology and management
- fisheries and aquatic ecology
- rangeland ecology and management
- fire ecology and management
- natural history and conservation
- wildlife biology/preveterinary science

NREM has more than 200 undergraduate and more than 60 graduate students. Many of our courses are field-based laboratory courses offered during regular semesters, and two summer camps are offered every year — one in Oklahoma and one in New Mexico. Each 3-week summer camp emphasizes sustainable natural resource use and management in the current ecological, cultural, and political climates. The summer camps are required for forestry students and optional for the other degree options. Oklahoma State University has a strong commitment to international study-abroad opportunities, and NREM conducts a course in either Honduras or Ecuador every year for students to learn how different societies sustainably use their natural resources.

We have active student organizations affiliated with professional societies, and students compete at regional and national meetings every year. Our students complete internships throughout the United States with federal and state agencies. Other students participate in undergraduate research programs with one of our 28 faculty members. Job placement remains high and there are many opportunities with governmental agencies, conservation/environmental groups, consulting, and private industry.

NREM is exciting and vibrant. You can learn more at <http://nrem.okstate.edu>.

Here's your career.

Come get it!

- ✓ 7 B.S. degree options
- ✓ Lots of career options
- ✓ Scholarships available



Natural Resource Ecology & Management



America's Brightest ORANGE

NREM.OKSTATE.EDU

Students Are Priority at UAF

Students come first in teaching, research, and service regarding natural resources, forestry, high-latitude agriculture and geography. The University of Alaska Fairbanks School of Natural Resources and Agricultural Sciences (SNRAS) educates students for a wide range of career opportunities and covers a broad education in professional knowledge areas combined with foundation courses to develop a well-rounded academic experience.

Words from SNRAS Alumni:

“My experience provided the ability to branch out into something I would never have expected to pursue. The strategic thinking, communication, and other foundational skills that I learned, in addition to the natural resource specifics, prepared me to embrace the workplace and the opportunities and challenges of a professional environment.” — *Maggie Rogers, Alaska Division of Forestry public information officer*

“The education I received exposed me to new cultures, took me to remote parts of the arctic and sub-arctic, and has kept me up-to-date with the ever-evolving technology used in science today. In today’s interconnected world, there is a need for those with a broad perspective who can understand complex and dynamic relationships. There is no doubt in my mind that the UAF Geography Department and SNRAS prepared me to succeed.” — *Matthew Balazs, UAF graduate student*

“I was fortunate to earn a BS in natural resources management, with a wildlife focus, because of the faculty’s willingness to provide courses via distance delivery and the small class size – enabling adequate one-on-one time, and flexibility provided due to my unique and atypical course and work requirements/limitations. The privilege of studying with faculty at one of the world’s foremost arctic schools provided great insights into career opportunities and eventually the positions that have helped guide me to where I am today.” — *Craig Fleener, Deputy Commissioner, Alaska Department of Fish & Game*

“I enjoyed working at the Georgeson Botanical Garden, putting my degree into action and growing a wide range of plants. Additionally, my education with SNRAS afforded me many professional opportunities including the ability to study at a circumpolar Norwegian school of agriculture. All in all, my experience at UAF in the SNRAS program was fantastic – educationally, professionally, and socially!” — *Ellen Hatch, University of New Mexico medical school student*

Imagine: You in Alaska. What better place to engage in and learn about natural resource and environmental issues than at America’s Arctic University in the heart of the last frontier?

The University of Alaska Fairbanks School of Natural Resources and Agricultural Sciences offers a BS degree in Natural Resources Management, with options in Forestry (SAF-accredited), High-Latitude Agriculture, and Humans and the Environment. We also offer Master’s and PhD programs for very strong postgraduates.

Students receive award-winning instruction in small classrooms that promote active learning through discussions, student-faculty interactions, and independent research in our 365-million acre outdoor laboratory. Understandably curious? Visit us at www.uaf.edu/snras/ and dream big.

Contact Martha Westphal at 907.474.7188 or mmwestphal@alaska.edu



University of Washington: Unique from the Very Beginning

Since 1908, the University of Washington has provided students wanting an alternative to a Master of Science in forestry with a professional, nonthesis master’s program. In 2003, the faculty redesigned the professional master’s degree to a one-year program closely integrated with the undergraduate option in sustainable forest management.

Offering an SAF-accredited professional degree at the master’s level seemed fitting for a nonland grant, research intensive university in a large metropolitan area with a robust forest products industry. Given the complexity of contemporary forestry and natural resources issues, and their regional importance, an accredited professional forestry education at the graduate level just makes sense. The Master of Forest Resources (MFR) gained SAF accreditation in 2006.

Professor David Ford, coordinator of the MFR program, says, “Strategic advising and mentoring for recruitment and retention is important. With appropriate preparation and mentoring, students can earn both the BS and MFR degrees in five years.”

The MFR curriculum integrates knowledge and skills from technical disciplines with policy and management to prepare graduates for professional leadership in the private, public, and nongovernmental sectors.

Says Ford, “We strive to create a collaborative and interdisciplinary learning environment that develops team approaches and leadership skills, involving students in experiences needed for complex decision making.”

The program’s five-credit independent study or internship capstone projects cover a broad range of topics with the consistent theme of professional application. Examples of recent projects include creating fire-safe forests in the Eastern Cascades, economic and environmental tradeoffs between wildlife and timber production, energy co-generation as a solution to fossil fuel consumption, fish and forest interactions, and designing and analyzing a monitoring program.

A freshly-minted 2012 graduate put it this way, “What attracted me to the program was its excellent fit for my experience in the workforce. Asking students to solve complex forestry questions that have yet to be solved in private and public sectors pulls together work experience and coursework and shows the student how to use the two in upper-level managerial positions.”

SAF-accredited Master of Forest Resources-Forest Management

- Completion possible in as little as one calendar year
- Capstone project training for real-life career challenges
- Unique outdoor laboratory in Pacific Northwest forest field sites
- In-depth study of forests includes silviculture, biology, ecology, mensuration, policy, administration, and production management
- Courses that satisfy educational requirements of SAF Candidate Certified Forester (CCF)



School of Environmental and Forest Sciences

UNIVERSITY of WASHINGTON

Contact the Office of Student and Academic Services for information:
206.543.7087 / sefsadv@uw.edu
Website: www.sefs.u.washington.edu
Blog: uwsfr.wordpress.com



Go Green with MSU Forestry

Today, the field of forestry needs environmental problem solvers. Forested ecosystems – from wilderness areas to forested cities – play a leading role in regulating the earth's environmental quality and providing for human wellbeing. We need forest science professionals to:

- Integrate ecology, biology, economics, and social science to contribute to a better world
- Balance increased demand for wood products with healthy forest ecosystems
- Reduce global climate change through low-carbon sustainable forestry
- Protect forest ecosystems from invasive exotic plants, diseases, insects, and other pests
- Provide renewable and sustainable energy from woody biomass
- Understand forest ecosystems from a global perspective

Your future as an environmental problem solver starts at Michigan State University. We offer numerous opportunities for hands-on learning in Michigan and throughout the world. We also offer generous scholarships for high-achieving students.

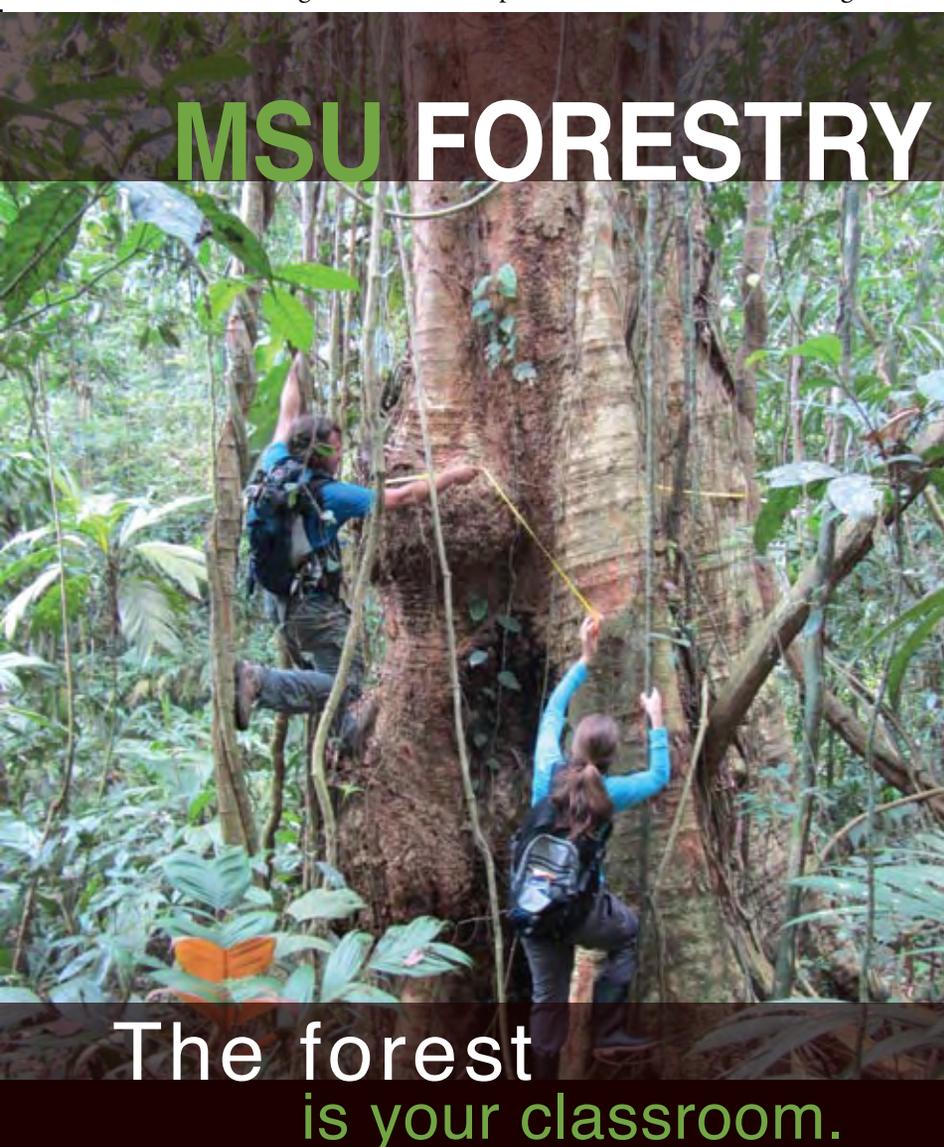
Choose from two concentrations:

- **Forest Resource Management** — In the Forest Resource Management concentration, you will acquire the skills necessary to manage forests sustainably so that present and future generations can enjoy the benefits they provide. Through classroom study, hands-on laboratory experiences, and fieldwork in forests of different kinds, you will learn to determine what people want from their forests and how to achieve those objectives. The Forest Resource Management concentration is SAF accredited.
- **Forest Conservation & Environmental Studies** — The concentration in Forest Conservation & Environmental Studies provides a strong ecological perspective in understanding how forests work. Building on this scientific foundation, the concentration focuses on the relationship between forests and human society, including the conservation and restoration of forest ecosystems, invasive exotic plants and pests, the role of forests in the global carbon and water cycles, and the management of forests for mitigating climate change.

Scholarships!

For each academic year, we have \$50,000 in scholarship funding (10 scholarships of \$5,000 each) available for outstanding new MSU Forestry students!

For information on undergraduate scholarships, visit www.for.msu.edu/undergraduate.



Build Better Forests with Berkeley

Forestry education at the University of California began in 1912 when a group of students and faculty met to organize and push for a forestry program. The current program shows the same close working relationships between students and faculty. Student-to-faculty ratios are low, as are class sizes.

The undergraduate forestry concentration is accredited by the Society of American Foresters and offers students the opportunity to meet today's environmental challenges. These challenges may vary from forest maintenance on the forest-urban interface to managing forests in remote wilderness areas or parks. The foundation of the Berkeley forestry program is science-based education. This best prepares students for addressing complex environmental issues such as the role of forests in global carbon accounting, climate change, invasive organisms, fire suppression and management, water supply, and others.

The Berkeley program features an 8-week Forestry Field Camp experience in the Sierra Nevada where students are introduced to basic forestry in a field setting. This program is the centerpiece of the Berkeley program and is often described as a "life-changing" experience for students.

Students typically enter the Berkeley forestry program as freshmen or junior-level transfers. Transfers are encouraged to immediately enter the Forestry Field Camp program prior to their junior year. Student life at Berkeley for the Cal Foresters is centered around the Forestry Club, the student professional and social organization. The Forestry Club coordinates professional opportunities with the Society of American Foresters as well as social events with faculty and Cal Forester alumni. The Berkeley forestry program also offers many scholarship opportunities for undergraduates based on merit and financial need.

Recent graduates work for the United States Forest Service, the California Department of Forestry and Fire Protection, forest products companies, environmental groups, consulting firms, and other government agencies. A large number of Cal Foresters attend graduate school to pursue advanced education in forestry or a related field.

The Berkeley forestry program also offers the Master of Forestry degree and the PhD in the Department of Environmental Science, Policy and Management specializing in a variety of forestry fields.



INTEGRATING SCIENCE & MANAGEMENT TO MAKE TOMORROW'S FORESTS BETTER

The University of California, Berkeley's forestry program has been producing leaders in the public and private sectors since 1914. Located just minutes from San Francisco and near some of the most magnificent forests in the world, UC Berkeley offers topics ranging from urban forestry to management of natural forest systems and provides unique opportunities to address some of the most pressing environmental problems of our time. You will be attending the world's top public university while developing practical problem-solving skills in some of the most beautiful places on Earth.

UC Berkeley offers a Bachelor of Science in Forestry and Natural Resources (forestry concentrations accredited by SAF), as well as Master of Forestry and Ph.D. degrees.

Visit Cal Forestry at <http://forestry.berkeley.edu>.

Berkeley
UNIVERSITY OF CALIFORNIA

Your Nature, Your Career, For Life

It's your nature to explore – come experience SIU Forestry. For those with a desire to learn, and seek the career path less traveled, we offer a quality academic experience that will take you as far as you want to go to help realize your full potential. The Department of Forestry at SIU has extensive course and research opportunities for undergraduate and graduate study. The diverse backgrounds of faculty, together with our updated and comprehensive curriculum, individual attention to students, and location unite to make SIU Forestry one of the most fulfilling programs in the nation.

Our students have everything they need to make their college experience challenging, exciting, and completely their own. Our Bachelor of Science degree in Forestry enables students to specialize in forest resources management, forest recreation and park management, forest hydrology, urban forest management (options accredited by Society of American Foresters), and wildlife habitat management and conservation. Students can choose from a selection of hands-on learning and field-intensive courses including laboratories, “summer camp”, and international study offerings such as Natural Resources of Ireland and Panamanian Tropical Forest and Wildlife Conservation. A “Living Learning Community” residence hall on Campus Lake is dedicated to students in our college.

We continue to focus on teaching and mentorship even as we pursue cutting-edge research. At SIU, our faculty are respected experts in their fields sharing their experiences and offering opportunities for student involvement. Faculty personally advise all students in their areas of interest and give students the personal attention they deserve. Undergraduate and graduate research assistantships are available and students can earn specialized training and certifications to enhance their educational experiences and career options. The Master of Science and PhD degrees are hands-on, research-based, and guided by faculty advisors for students seeking further discovery and skills.

Nestled in beautiful southern Illinois, SIU is located in an outstanding natural and diverse setting. We are surrounded by major rivers, the Shawnee National Forest, seven federally designated wilderness areas, state parks, and national wildlife refuges, all of which provide for exceptional educational, research, and recreational pursuits in the heartland of the nation. At SIU Forestry, big things are always within reach. Know no bounds. forestry.siu.edu 618.453.3341



Discover the Diversity of the Forests

Our school offers an exciting and active program with diverse opportunities in environmental and natural resources. Located in south Louisiana, we provide an ideal environment for studying natural resources, wildlife, fish, forests, rivers, lakes and streams. Our immediate study areas surrounding the school include a range of ecosystems from forests to freshwater swamps to coastal wetlands. Students in our programs are not afraid to get wet or muddy!

Our degree programs:

We offer two undergraduate degrees that include ten diverse areas of concentration, ranging from forest management to conservation biology.

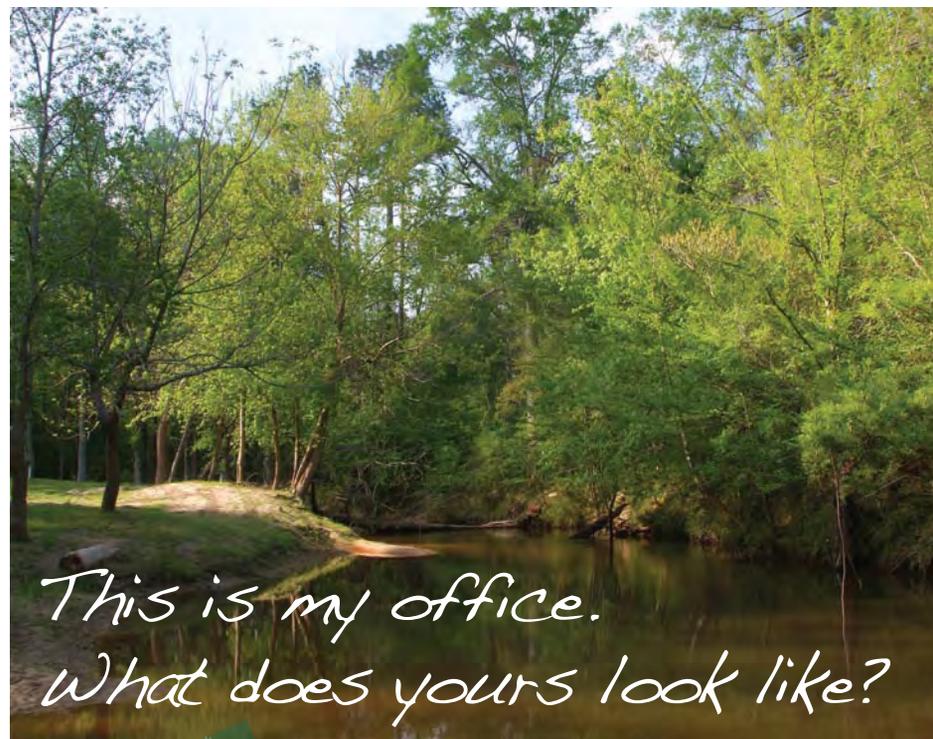
Two graduate degrees provide students with advanced educations in five areas of concentration, including fisheries and aquaculture, forestry and forest resources, forest products, wildlife, and watershed science.

From the birds in your back yard to those in the Amazon, from aquatic organisms to upland game, we've got it covered – wilderness areas, wood products, it's a walk in the woods for us!

Our students are a diverse group, with both local and international origins, which says a lot about our program. Our courses involve field and laboratory experiences with regular field trips. We find our students want to learn and be a part of what we do. Our students definitely get outdoors!

We proudly boast that our graduates find employment in unique areas within our state, the US, and all over the world! Our students become wildlife and fisheries biologists, environmental lawyers, foresters, park rangers, refuge managers, environmental consultants, research scientists, wetland specialists, and the list goes on!

If you want to discover nature, improve the management of renewable resources, protect biodiversity, and promote conservation, then check us out at www.rnr.lsu.edu or simply give us a call at (225) 578-4131 Explore & Discover! Louisiana State University, School of Renewable Natural Resources
D. Allen Rutherford, Director or Michael D. Kaller, Coordinator of Undergraduate Programs



School of Renewable Natural Resources

Researching and teaching ways to improve our environment since 1928.

- An ideal environment for studying the field of forestry and natural resource ecology and management
 - Immediate study area around the School includes a range of ecosystems from forests to freshwater swamps to coastal wetlands
- If you dream of a career that takes you outdoors, we encourage you to join us!

www.rnr.lsu.edu



An Equal Opportunity/Affirmative Action Employer



LSU IS AN EQUAL OPPORTUNITY/ACCESS UNIVERSITY

One-of-a-Kind Environment Where the Trees Are as Big as Your Dreams



Want to study forestry or other related disciplines where the trees are huge, grasslands are abundant, and the Pacific Ocean is on the horizon?

Nestled in California's Redwood Coast, Humboldt State University's Forestry & Wildland Resources Department is the perfect place to gain hands-on experience managing forest resources. With the 2,100-acre Arcata Community Forest just behind campus and a multitude of private and public forestlands minutes away, there are countless opportunities to gain the experience employers seek.

With the Western Undergraduate Exchange (WUE) program, students from the 13 western states can study at HSU for nearly the same cost as tuition in their home state. Get details at humboldt.edu/wue.

The forestry program offers options in forest hydrology, forest operations, forest resource conservation, forest soils, or wildland fire management. Our facilities include the L.W. Schatz Demonstration Tree Farm, a Geo Spatial Analysis Laboratory, the Wildland Fires Laboratory — one of the most well-equipped research facilities of any university — and plenty more.

The forestry program is academically challenging and includes nationally recognized undergraduate and master's level research, but it's not all hard work. Our students are active in things like the Forestry Club Logging Sports, the Society of American Foresters Student Chapter, the Student Association of Fire Ecology, and the Xi Sigma Pi Honor Society.

In addition to Forestry, Humboldt State University's College of Natural Resources and Science offers a full suite of programs including disciplines as diverse as fisheries biology, rangeland resource sciences, and environmental resource engineering. Visit humboldt.edu/cnrs for more information.

HUMBOLDT STATE UNIVERSITY

THINK BIG

With a state-of-the-art fire lab and thousands of acres of forest surrounding campus, HSU Forestry majors don't just study their subjects, they experience them.

Check us out today!

humboldt.edu/fwr

Experience Hands-On Learning at Michigan Tech University

The School of Forest Resources and Environmental Science at Michigan Technological University offers a world-class education. Students learn forestry, applied ecology and environmental sciences, and wildlife management and ecology. Located in a heavily forested region in the Midwest, the school is renowned for producing educated foresters with the ability to achieve landowner goals while maintaining landscapes for generations to come.

All of the school's programs are rigorous and science-based. They are further enhanced through collaboration with the US Forest Service, National Park Service, Fish and Wildlife Service, Bureau of Land Management, state agencies, forest industries, private landowners, and rural and urban communities.

The Forest and Environmental Resource Management (FERM) Program gives students the chance to develop, implement, and oversee a conservation-oriented management plan. With a 5,500-acre forest, FERM provides a one-of-a-kind, real-world opportunity for students to practice classroom lessons in the field and study lasting impacts that reflect their investments of time and energy.

During fall of their junior year, all undergraduate students participate in fall camp at the Ford Center, adjacent to the school's forest. This semester-long, live-in camp provides practical lessons in field-based skills and course work, including silviculture, timber harvesting, land measurements and global positioning systems, multiresource assessment, geomorphology, forest health, and pathology.

All seniors complete an integrated resource assessment, a capstone course that integrates field, lab, and classroom learning. Each student team develops a land and resource management plan for a 4,000-acre forest.

Finally, the school is a major research engine with global reach. As a result, many undergraduates participate in research projects that give them skills they can carry to the workplace or graduate school. The school also has two research centers, the Biotechnology Research Center and the Ecosystem Science Center.

For more information on what Michigan Tech's School of Forest Resources and Environmental Science has to offer, contact Chris Hohnholt, Director of Outreach and Development, at (906) 487-2417 or cahohnho@mtu.edu. Or visit www.forest.mtu.edu.



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Michigan Technological University

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- Wildlife Ecology and Management

Minors

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- Plant Biotechnology
- Plant Sciences
- Remote Sensing

For more information, visit www.mtu.edu/forest/SAF

Achieve Your Full Potential

The University of Wisconsin-Madison forestry program provides the broad, science-based education needed to secure a professional position in forest resource management and conservation, or to prepare for graduate studies.

Our curricula provide a solid grounding in quantitative and ecological methods, resource measurements and management and public policy, as well as additional subjects that stimulate critical thinking and problem solving.

All of our major courses are taught by faculty who create the knowledge that powers decisionmaking in the 21st century. Our nationally recognized programs of study (forest science, forest management, forest conservation) are accredited by the Society of American Foresters, and our department has consistently ranked among the elite national programs for research impact as determined by the National Research Council, the National Science Foundation, and others.

Our undergraduate forestry majors enjoy the benefits of being part of a diverse, yet well-integrated and accessible program that features:

- small class sizes taught by faculty – usually not more than 20-25 students
- streamlined curricula with an emphasis on graduation in 4 years
- summer field camp and numerous internships provide “hands-on” training
- numerous student-sponsored activities that enrich the educational experience
- an excellent placement rate in postgraduate employment and graduate schools

Whether your interests are local or global, you'll have access to a wealth of resources that will allow you to build a portfolio of skills and experiences in preparation for entering a career path. Major course work is complemented by electives in environmental studies, business, engineering and technology, communications, and study abroad programs. A substantial number of scholarships are available, and numerous work-study and student employment opportunities exist to help defray student costs. Wisconsin remains among the least expensive Big Ten universities for tuition and fees.

To learn more, or to receive information about majoring in forest science at the University of Wisconsin-Madison, visit us on the web at <http://www.fwe.wisc.edu>.

Why Be Just Another Tree in the Forest?

Stand out from the crowd and achieve your full potential — earn your forestry degree at the University of Wisconsin-Madison.

We are a national leader in creating the science behind forest resource management.

Visit www.fwe.wisc.edu

Department of Forest and Wildlife Ecology



Photo by Sean Bagshaw/Visuals Unlimited, Inc.

Start Your Career in the “Cradle of Conservation”

Located in south-central Pennsylvania, Penn State Mont Alto is one of the oldest forestry schools in America. The campus has been called the “Cradle of Conservation,” where forest protection and conservation began. We have offered the 2-year Associate in Science degree in forest technology since 1963, a program that is accredited by the Society of American Foresters.

Students at Mont Alto receive a strong education in forestry, natural resources, global positioning systems (GPS), and geographic information systems (GIS). Much of your learning will be hands-on, taking place in the 85,000-acre Michaux State Forest adjacent to campus. We also help manage the 1,000-acre Waynesboro Watershed. At Mont Alto you learn by doing!

With three full-time faculty teaching our classes, we get to know you very well. We train students using traditional forestry tools, as well as current technology, for employment in public forestry with the Pennsylvania Bureau of Forestry or Parks, the USDA Forest Service, and in the private sector with forest industry, private consulting foresters, and tree care companies. Jobs in arboriculture and urban forestry, providing care for urban and community trees, are also available. The forest technology program at Penn State Mont Alto has an excellent career placement record.

Half of our graduates continue their education — primarily at the Penn State University Park campus in forest science, wood products, wildlife and fisheries science, or recreation, park and tourism management. Students usually complete their baccalaureate degree with 2 additional years of coursework.

At Penn State Mont Alto, students enrolled in the forest technology program benefit from more than 100 years of forestry education! With our forestry heritage, there are many scholarship opportunities for forest technology students. Please visit our website at www.ma.psu.edu or contact:

Craig T. Houghton

Instructor and Coordinator of Forest Technology

E-mail: cth2@psu.edu

Phone: 717-749-6239

At Penn State Mont Alto, any choice is the right choice.



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If You Want to Change Our World, Oregon State Is a Great Place to Start!

Oregon State University is looking for students who want to change the world – to shape how natural resources are used, managed, and conserved today and for future generations.

Why Oregon State?

Oregon State is one of only two Land, Sea, Space, and Sun Grant universities in the United States. For students interested in blending a love of the outdoors with a love of science, this means there are lots of choices – and lots of opportunities to learn from world leaders in natural resources science, education, and policy. It also means ample opportunities for both graduate and undergraduate students to engage in research alongside top scientists, both in their labs and in the field.

Oregon State offers four SAF-accredited undergraduate degree options in professional forestry, including forest management, forest operations management, forest engineering, and a double degree in forest engineering/civil engineering. We also offer a professionally accredited degree in renewable materials, along with top-flight degrees in natural resources, fisheries and wildlife, recreation resource management, and tourism and

outdoor leadership.

At Oregon State and in the College of Forestry, we pride ourselves on the depth and breadth of our faculty, the partnerships we've developed with external stakeholders, and the variety of student-oriented academic programs we offer. Regardless of the specific curriculum a student selects, we will help them develop a breadth and depth of knowledge in a specific field, an ability to think critically and solve real-world problems, a willingness to work effectively on their own and in teams, the ability to speak and write effectively, and an appreciation for the values of hard work and professional ethics. When students graduate from Oregon State they have the skills needed for securing initial employment, and a solid foundation in problem solving and decisionmaking upon which to build their careers.

The College of Forestry alone offers more than \$500,000 in undergraduate scholarships each year. Advising is individual and personalized for each student. We offer an active program of mentored work experiences and paid internships, both within the university and with external partners. We are highly successful in

helping students secure both summer and permanent employment. For students from backgrounds traditionally underrepresented in forestry and natural resources, we offer programs to help develop a sense of belonging and maximize their chances for academic and professional success. For students interested in developing their leadership skills, we offer an innovative Leadership Academy.

At Oregon State, students can augment their primary degree with options and majors from a variety of other fields, not only in natural resources, but also in environmental sciences, engineering, business, philosophy, environmental ethics, and many others. They can also obtain double degrees in sustainability, international studies, and education. We have active study-abroad programs, both at the university and within our individual colleges. Plus, we sponsor a variety of student clubs and organizations offering recreational, academic, and service activities – as well as the opportunity to develop and practice leadership skills.

Where is Oregon State?

Our main campus in Corvallis is in the heart of Western Oregon's beautiful

Willamette Valley. Corvallis is an hour's drive from the Pacific Ocean to the west, while the mountains of the Cascade Range lie an hour to the east. OSU-Cascades, our branch campus in Bend, offers degree programs in natural resources, tourism and outdoor leadership, and a double degree in sustainability. In addition, Oregon State offers 13 online degrees and graduate certificates in natural resources subjects through its Ecampus.

Why are our undergraduates excited about Oregon State?

"The flexibility to develop broad interests in forestry, fisheries and wildlife, and range management."

"The ability to travel and study internationally."

"Learning about the management of our precious forests from an engineering perspective."

"Summer internships that range from silviculture to interpretive ranger."

"Over 40 percent of Oregon is forested, so forests and natural resources are continually in the news."

"I have not only learned practical and technical skills, but I have gained some of the strongest relationships I've ever had."

Welcome to your classroom

No walls, no ceiling.

Just a vast natural laboratory – where you'll learn to use, manage and conserve our natural resources to achieve a more sustainable future.

Oregon State offers top-ranked undergraduate and graduate programs in **professional forestry, fisheries and wildlife, natural resources, renewable materials, recreation resource management and tourism and outdoor leadership**. Here, you'll work side-by-side and on a first-name basis with our world-class faculty. And you'll graduate with an unbeatable combination of practical experience, scientific know-how, communication, critical thinking and problem-solving skills employers look for.

We also offer 13 online degrees and graduate certificates in natural resources subjects through our award-winning Ecampus program.

Take your education where it belongs – out into the world.

To learn more, call **541-737-1593** or visit oregonstate.edu/explore.

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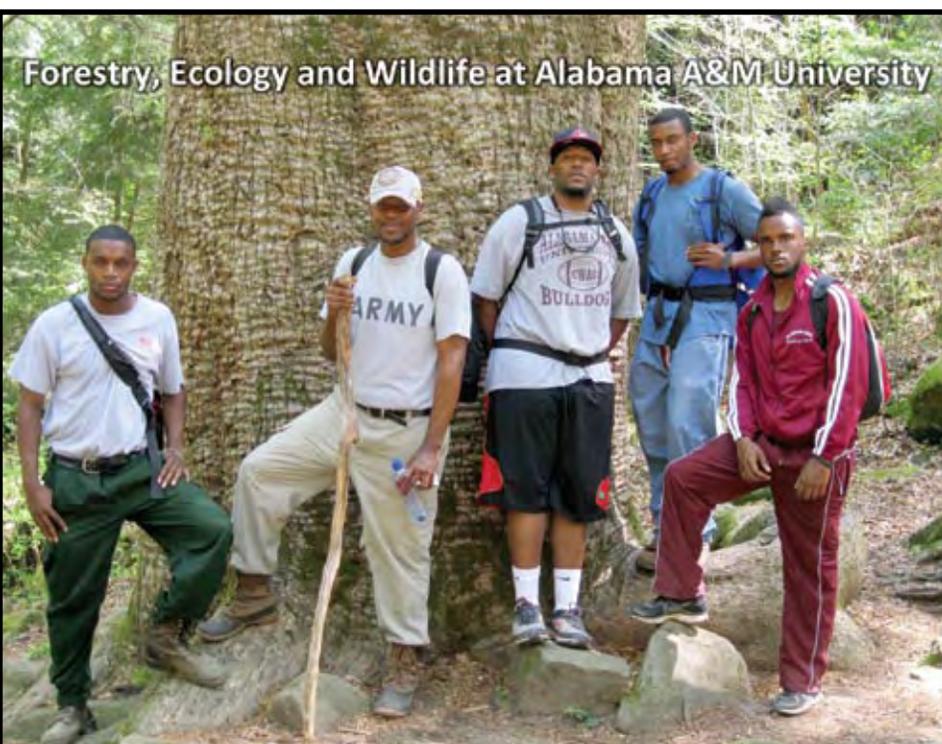
If you love the outdoors, and are interested in an exciting career contributing to the conservation and management of our forests and associated natural resources, consider Alabama A&M University's (AAMU) Forestry, Ecology, and Wildlife Program (FEWP). We are one of two professionally accredited forestry programs in Alabama, and the only one at a historically black college or university. We offer a Bachelor of Science degree in forestry and minors in wildlife and fisheries biology. Our program is strong academically, with high job placement rates in a variety of fields, including forestry, wildlife management, education, ecology, recreation management, and law enforcement.

The FEWP averages 50-60 students from year to year, with average class sizes of 10-15 students. All of our students get to know their classmates and instructors well, creating a learning environment where students can get the personalized help and guidance they need to be successful. We have rigorous standards and are dedicated to helping serious students reach their potential and realize their career goals. A variety of extracurricular activities are available to our students. One organization, the Fire-Dawgs, is a student fire crew trained in wildfire and prescribed burning management whose members are given opportunities to apply their training to real-life situations.

We strongly believe that the educational process for students in natural resource fields is enhanced by quality work experiences. The US Forest Service (FS), in partnership with AAMU, offers a unique financial assistance and employment program to students interested in a career with FS. It provides up to \$5,000 per year in tuition assistance, summer job opportunities, and probable employment upon graduation.

AAMU is located in the thriving metropolitan area of Huntsville, AL, which offers a number of quality entertainment and cultural attractions. Northern Alabama offers a wide variety of forest and other scenic natural areas for work, study, and play, including Bankhead National Forest, Wheeler National Wildlife Refuge, Little River Canyon, and the Tennessee River, with reservoirs that are famous for bass fishing.

For additional information, please visit our website at www.aamu.edu/forestry, or contact us at forestry.info@aamu.edu or 256-372-4199.



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Affordable Program, Rich Environment

New Mexico Highlands University is home to the only bachelor's degree forestry program in the state known as the "Land of Enchantment."

The forestry program is an applied degree program that prepares students for immediate placement with state and federal land managers, as well as private-sector companies. The curricula are very field based – many of our laboratory exercises are conducted in the university's backyard setting of the Gallinas Watershed, the Las Vegas National Wildlife Refuge, the Sangre de Cristo Mountains, and the Santa Fe National Forest.

"New Mexico Highlands offers an ideal location to study forestry," said Dr. David Hacker, department chair for the university's Department of Natural Resource Management. "In addition to very accessible and diverse field locations, the surrounding area is rich in history."

The historic Santa Fe Trail transects the campus, and the campus is within easy driving distance of the Civil-War-era Fort Union and the pueblo ruins of the Pecos National Historical Park. Additionally, the world-renowned art markets of Santa Fe and Taos are just an hour's drive from Highlands University.

The forestry classrooms and laboratories are located in the Ivan Hilton Science & Technology Complex, which houses modern laboratory and classroom settings, furnished student lounges, and state-of-the-art analytical equipment.

Highland's forestry faculty is dedicated to providing a superior learning experience through enthusiastic teaching, hands-on learning, and commitment to each individual student. Most of the science faculty have active, student-involved research programs that provide both undergraduate and graduate students with research and field experiences beyond coursework.

"I've been to bigger universities, where you're a number, not a person," said Tim Cusack, a junior forestry major at New Mexico Highlands. "The forestry program at Highlands is a smaller program, which means there's more one-on-one time with the professors. I feel that's an important advantage in understanding the subject."

In addition, New Mexico Highlands University has one of the most affordable tuition rates in the western United States for in-state, out-of-state and international students, according to the Western Interstate Commission for Higher Education.



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www.nmhu.edu/forestry

Colorado State University Immerses Students in Experiential Learning

In a state known for its natural resources — and where outdoor recreation is a way of life — Colorado State University's Northern Colorado campus is located in perfect proximity to an abundance of wilderness and diverse landscapes that serve as outdoor classrooms for many experiential learning opportunities. A highlight for many students, CSU's 1,200-acre Pingree Park mountain campus is home to a field course unlike any other. Students at CSU's Warner College of Natural Resources spend a summer learning about ecology at 9,000 feet — surrounded by national forests and Rocky Mountain National Park.

CSU has a unique wealth of research, outreach, and collaboration resources that add depth and strength to students' academic careers and provide access to valuable leadership, internship, and job opportunities. Warner College of Natural Resources is home to the Colorado State Forest Service, which provides important forestry research and outreach programs, and enriching instructional opportunities such as tree planting, forest management and tree harvesting. Students can also engage in policy, planning, and community-based conservation projects

through the Colorado Forest Restoration Institute. And, the Western Forest Fire Research Center also calls CSU home, and is dedicated to researching and promoting scientifically vetted solutions to the state's and the nation's most critical fire management challenges.

A variety of academic-based student organizations also provide real-world experiences that help shape students' goals and careers while helping them build a network of friends and peers who share common interests. The Alpha Student Chapter of the Society of American Foresters is an extremely active student organization at CSU, and allows student members to gain hands-on experience and networking opportunities beyond those offered in their courses.

Forestry and natural resource management are just two of the popular Bachelor of Science degree programs offered by the Department of Forest and Rangeland Stewardship at CSU's Warner College. CSU forestry and natural resources majors consistently enjoy job placement rates that are about 20 percent higher than average.

The forestry program is taught by faculty who are national and global leaders in forest ecology, research, and



management, and provides a robust forestry education that prepares students to tackle today's toughest environmental challenges. The program spans the entire range of experiences necessary to build the skills students need for a forestry career. Curricula include a broad background in the biological, physical, and management sciences, followed by professional forestry courses. Undergraduate forestry students can select one of four concentrations in the forestry major: forest management, forest biology, forestry business, and forest fire science. These concentrations provide students with professional training in the fundamental principles of multiple-use forestry and ecosystem management.

The natural resources management

program provides students with a broad-based understanding of the interconnectedness of social, political, and ecological systems. Using an integrative approach, students learn how to develop local solutions that are sustainable and ethical at larger, global scales. Students can also choose a wide variety of minors, such as: conservation biology, ecological restoration, forestry, range ecology, spatial information management, and more.

For information visit <http://warnercnr.colostate.edu/departments/frs> or contact: Erin Heim Undergraduate Program Coordinator Phone: (970) 491-4081 Email: Erin.Heim@colostate.edu



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WARNER COLLEGE OF NATURAL RESOURCES

Department of Forestry and Rangeland Stewardship
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Imagine the Possibilities Waiting for You

How will the next billion people be fed, clothed, and housed? Who will protect our existing natural resources by the design, implementation, and management of sustainable buildings, landscaping, natural forests and waterways? Researchers, teachers, and students at the University of Maryland, Department of Plant Science and Landscape Architecture are answering these questions and ready to help you prepare to make a difference in tomorrow's world!

The Department of Plant Science & Landscape Architecture at University of Maryland is a diverse department that focuses on plant biology at all levels of organization, from the molecular level, to the whole organism, to agricultural systems, and to natural and designed ecosystems. We offer the Bachelor of Science (BS) degrees in plant science, in agricultural science and technology, and in agricultural education. We also offer a Bachelor of Landscape Architecture (BLA) degree. The plant science offers programs in plant biology, turf and golf course management, landscape management, urban forest ecosystems and horticulture and crop production. We also offer MS and PhD programs in plant science and an MLA in landscape architecture.

You will participate in our internship program gaining hands-on experience with government agencies or some of the top companies in natural resource management in the world. You will experience numerous opportunities to expand your horizons in our Study Abroad programs. You will help shape the world of your future.

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Clemson University: Outside Your Expectations

Located in the Upstate of South Carolina, Clemson University is nestled into the foothills of the Blue Ridge Mountains. The University boasts a 1,400-acre campus on the shores of Lake Hartwell surrounded by over 17,000 acres of University farms and forestland devoted to teaching and research.

Clemson is currently ranked No. 22 among the nation's top public institutions and one of the most defining aspects is that students are happy here. Clemson has scored No. 1 and No. 2 in the past two years, according to the Princeton Review, as the university with the happiest students. And 91 percent of seniors and freshmen say they would choose Clemson again if given the opportunity to start their college educations over. With an enrollment of 19,000, Clemson carefully manages to maintain small classes and a student-to-faculty ratio more common to private colleges.

Students select from 80 undergraduate degree offerings including Forest Resource Management, Wildlife & Fisheries Biology, and Environmental & Natural Resources.



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Why Study Forest Resources at the University of Maine?

UMaine has the longest continuously accredited professional forestry program in the United States. Maine has more forests than the rest of New England combined, and our campus is surrounded by vast and varied woodlands, providing unparalleled opportunities for research and field experience.

UMaine's forest resource programs immerse our students in forest ecosystem science, management sciences and nature-based recreation, while providing them with the strong communication skills they'll need to succeed. Students graduate from our program knowing how to conserve and manage forest resources to meet society's need for commodities, services, and a healthy environment. The program combines advanced technological approaches with a strong field orientation.

Training in a forest setting begins the first semester with access to the university's 1,270-acre Dwight B. Demeritt Forest adjacent to campus. In addition, the nearby 5,000-acre Penobscot Experimental Forest and other properties owned and managed by the university provide over 13,000 acres of living laboratories for forestry education and research. Large areas of public and private, industrial and nonindustrial forestland near the university provide further opportunities.

UMaine is located in Orono, a small New England college town bounded by the Stillwater and Penobscot Rivers. The campus is eight miles north of Bangor, a commercial center for Maine and the eastern Canadian Provinces. The Bangor Region is centrally located in the state, providing incredible recreation access to wild mountains, forests, parks, rivers, lakes, and the coast. Acadia National Park, Baxter State Park, Allagash Wilderness Waterway, major ski resorts, and 10 million acres of unbroken forestland are close by. Boston and Quebec City are only four hours away.

Our Undergraduate Forest Resource Programs

Our courses take an integrated approach to forest resources, which allows our students to balance society's demands for a healthy forest, wood-based products, wildlife habitat, recreational opportunities and water resources. Forest Resource programs include a BS in Forestry; BS in Forest Operations, Bioproducts and

Bioenergy, and BS in Parks, Recreation and Tourism. Students take courses on topics such as biology, soils, ecology, protection, silviculture, bioproducts, mapping, recreation, tourism, policy, and management.

Forestry: Forests are vital to the economy, from the local to international scale. As a result, graduates of UMaine's Forestry Program become part of a professional community that is visible, valued, and important. We prepare our graduates for a wide range of careers in managing forests. Our graduates are employed by such federal agencies as the US Forest Service, the Bureau of Land Management, and the National Park Service. At the state level, our graduates manage public woodlands and advise owners of small and large private land holdings. They also work for

nongovernmental conservation and recreational organizations. Globally, graduates are in demand in the Peace Corps and others participate in international efforts to manage forest resources. A number of graduates become independent consultants, serving mostly nonindustrial, private landowners — thousands of whom collectively own more than half of Maine's timberland. The BS in Forestry is the longest continuously accredited program by the Society of American Foresters.

Forest Operations, Bioproducts & Bioenergy: The interdisciplinary BS in Forest Operations, Bioproducts & Bioenergy addresses

the challenge of balancing demand for wood-based products with sustainable practices by providing students with a relevant combination of coursework, hands-on experiences, faculty expertise and mentoring to build teamwork and communication skills. The program aims to develop individuals who have: the knowledge and abilities to better manage timber resources and forest operations in an environment of increasing public scrutiny and environmental concern; an understanding of the processes and challenges related to the efficient and environmentally acceptable harvest and conversion of forest resources to bioproducts and bioenergy; and an appreciation for the business principles and the associated local, regional and global markets. Our educational goal is to produce professionals with strong abilities to assess and communicate the technical foundations and life-cycle

impacts associated with how forest-based materials can be sustainably produced for a variety of applications, ranging from traditional wood products to emerging bioproducts and bioenergy systems. The BS program is accredited by the Society of American Foresters, and the Society of Wood Science and Technology.

Parks, Recreation & Tourism: The Parks, Recreation & Tourism curriculum is designed to develop proficiency in the profession while providing a broad general education. The program's emphasis on the integration of natural, social, and management sciences reflects the interdisciplinary context in which recreation, tourism, natural resources planning and environmental concerns are addressed in the field. Our curriculum combines technical and professional courses with core classes in the physical, biological, and social sciences, the humanities and communication. The program emphasizes the development and application of skills necessary for operational, administrative, and managerial positions in recreation, park management, environmental interpretation, and tourism fields. Internships and cooperative education opportunities are available.

Our Faculty

The School of Forest Resources faculty has expertise in a wide range of forest resources fields from forest ecology to silviculture to human dimensions to economics to wood science. They are regularly sought out by community leaders, industry, government, and NGOs as objective sources scientific information. In addition to having international reputations for cutting-edge research innovation, they are committed to providing a strong sense of community, while educating the next generation of leaders on forest resources issues.

Our Facilities

Our faculty lead and our students are part of a number of leading national research centers in forest resources on or near the UMaine campus:

- Maine Agricultural & Forest Experiment Station (MAFES)
- Center for Research on Sustainable Forests (CRSF)
- Cooperative Forestry Research Unit (CFRU)
- Maine's Sustainability Solutions Initiative (MSSI)
- Advanced Structures and Composites Center (AEWC)
- Forest Bioproducts Research Institute (FBRI)
- Maine Image Analysis Laboratory (MIAL)
- Penobscot Experimental Forest (PEF)
- University Forest (13,000 acres)

"The community in Nutting Hall is tight and the faculty are really accessible. The program provides a hands-on, outdoor experience."

*— Kelsey Troy
forestry major
Class of 2010
Chester, NH*



The UMaine advantage:

- Located in the vast North Woods
- Strong sense of community
- Close interaction with faculty
- Hands-on outdoor experience with latest technology
- More than \$100,000 in annual scholarships
- Outstanding opportunities for internships and work experience
- Reduced tuition for most New England students
- Accredited degrees by the Society of American Foresters (SAF)

Our faculty, staff and students work together to fulfill our land grant mission of providing teaching, research and public outreach to Maine, the nation and the world.



THE UNIVERSITY OF MAINE

School of Forest Resources

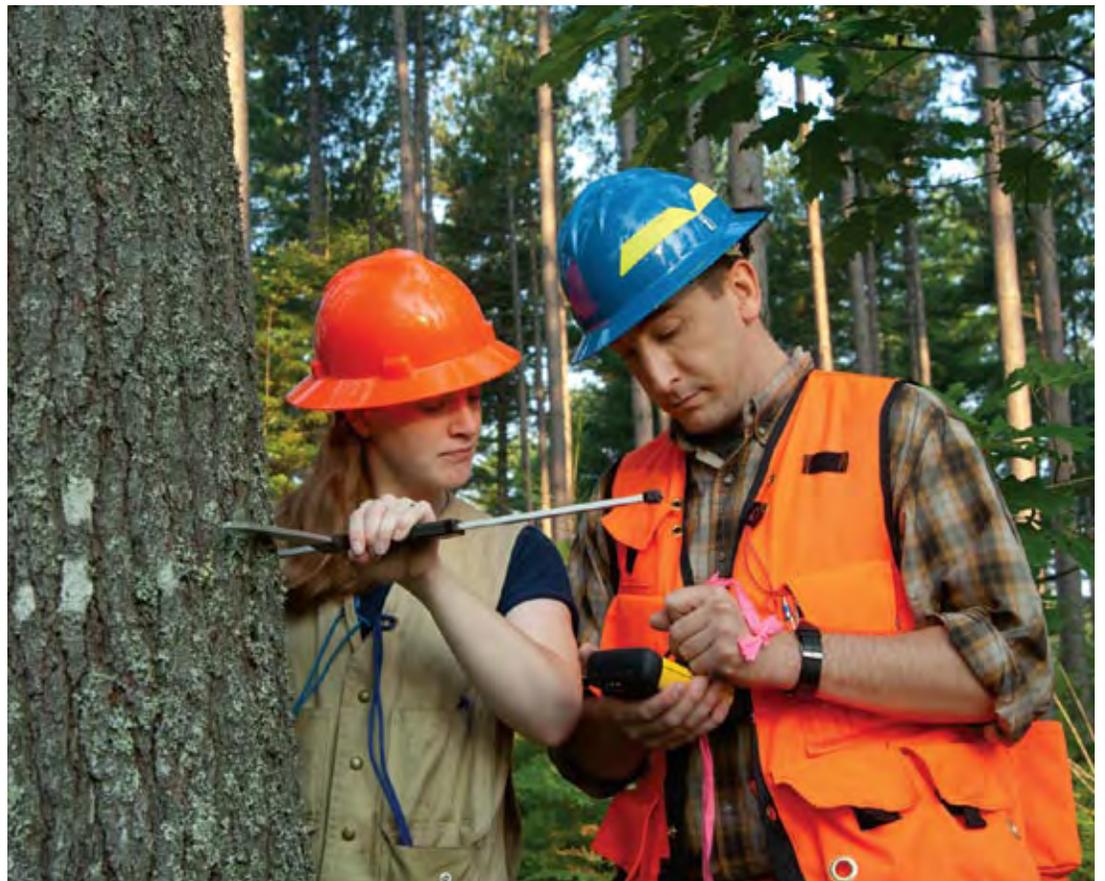
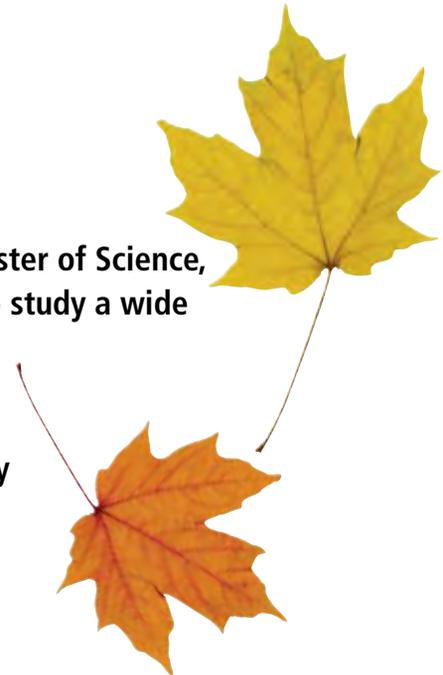
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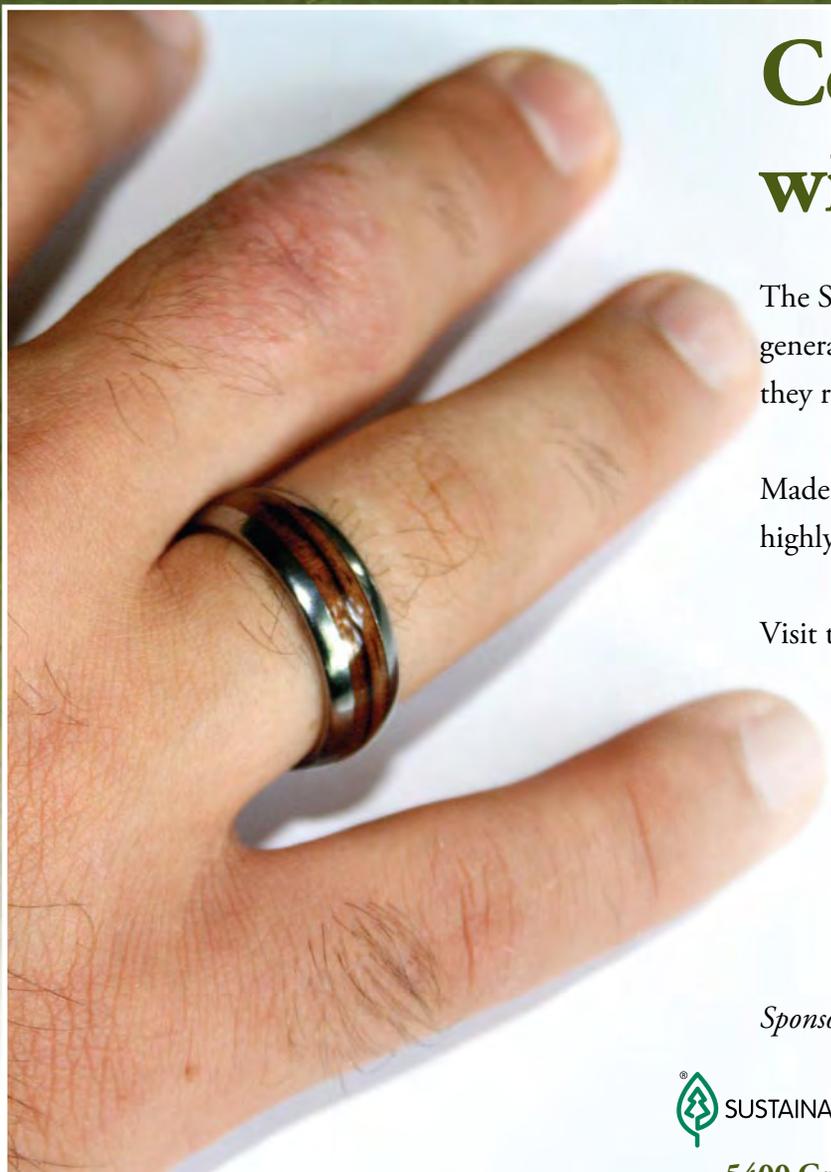
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