A Career in Forestry and Natural Resources Makes a Difference

Your Guide to Accredited Forestry and Natural Resources Programs
What Do You Think a Forester, Wildlife Biologist, Hydrologist, or GIS Analyst Does?

Forestry and natural resources professionals make a direct impact upon society in many important ways. They manage urban forests or natural areas; influence environmental education, policy, and research; or develop new technologies to make biofuels or modeling software.

Because forestry and natural resource careers encompass a wide range of options, employers are equally diverse. Although the US Forest Service is the public agency most often associated with managing forests, other federal agencies also employ forestry professionals, including the Bureau of Land Management, National Park Service, Bureau of Indian Affairs, and branches of the military. Even state and city governments need the expertise of graduates with a natural resource background for managing city forests or monitoring fish and wildlife habitats.

If you’re interested in working in the private sector, nonprofits employ graduates with a forestry and natural resource background to manage their landscapes and conserve or restore ecological functions. Family forest owners hire forestry consultants to help manage their land for diverse objectives. Manufacturers of paper and wood products hire foresters to help them achieve the objectives of developing more environmentally friendly methods of harvesting trees and making forest products.

If you prefer the challenge of research or teaching, you can work for a college or university as a faculty member, researcher, or manager of school forests. If your interest lies in business, organizations such as accounting firms, banks, and law firms specializing in land investment or estate planning may be right for you. The list of opportunities is nearly endless, which means you can have a career that allows you to fulfill your passion.

Want to Make a Difference in the Environment? Pursue a Career Stewarding Forested Landscapes

Why a Career in Forestry and Natural Resources?

There has never been a better time to consider a career in forestry or a natural resource field. According to the US Bureau of Labor Statistics, foresters and conservation scientists make on average $60,000 a year, and the industry is expecting to grow by seven percent.

Whether you choose to attend a university or community college, there will be a career and job waiting for you. Here is a sampling of job titles and the starting salaries for forestry and natural resources positions.

<table>
<thead>
<tr>
<th>Job Title</th>
<th>Required Education</th>
<th>Minimum Experience</th>
<th>Starting Salary</th>
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<tr>
<td>Forest Manager</td>
<td>Required Education: BA/BS</td>
<td>Minimum Experience: 2-3 years</td>
<td>Starting Salary: $40,772</td>
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<tr>
<td>Wildlife Program Coordinator</td>
<td>Required Education: Associates Degree</td>
<td>Minimum Experience: 2-3 years</td>
<td>Starting Salary: $30,000</td>
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<td>Forest Health Project Coordinator</td>
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<td>Minimum Experience: 2-3 years</td>
<td>Starting Salary: $50,000</td>
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<tr>
<td>Environmental Biologist Specialist</td>
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<td>Minimum Experience: 1-3</td>
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<tr>
<td>Communications Specialist 1</td>
<td>Required Education: BA</td>
<td>Minimum Experience: 0-3 years</td>
<td>Starting Salary: $27,793</td>
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<tr>
<td>Social Scientist</td>
<td>Required Education: BS</td>
<td>Minimum Experience: 3 years or equivalent combination of experience and education</td>
<td>Starting Salary: $42,780-68,448</td>
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<tr>
<td>Urban Forestry Outreach Coordinator</td>
<td>Required Education: BA/BS</td>
<td>Minimum Experience: 0-1 year</td>
<td>Starting Salary: $39,468</td>
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<tr>
<td>Habitat Program Manager</td>
<td>Required Education: BA/BS</td>
<td>Minimum Experience: 5-7 years</td>
<td>Starting Salary: $60,000</td>
</tr>
<tr>
<td>Monitoring Specialist</td>
<td>Required Education: BA/BS</td>
<td>Minimum Experience: post-undergraduate experience conducting scientific research or monitoring natural resources</td>
<td>Starting Salary: $33,938</td>
</tr>
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</table>

On the Gifford Pinchot National Forest, Matt DeJonge, a member of the US Forest Service Cowlitz Valley Range District’s timber crew, is learning how to cruise red alder from Gifford Pinchot's measurement specialist Rick Miller. In the photo from left to right: John Vernon, Rick Miller, Chris Starling, Marley Hatch (timber dog), Zack Hatch, Shyla Hatch, and Matthew DeJonge. Photograph courtesy of Matt DeJonge, forestry technician with the Gifford Pinchot National Forest, Cowlitz Valley Ranger District.

Cover Photograph

Jessica Leahy is a forestry professor at University of Maine’s School of Forest Resources. She earned her degrees from the Oregon State University’s College of Forestry and University of Minnesota’s Department of Forest Resources. This photo was taken during a recent timber harvest at her Wicopy Woods Tree Farm, which is a Forest Stewards Guild Model Forest, in Sebec, Maine. Photograph by Bob Seymour.
Get A Head Start on Your Career in Natural Resources

Choosing the right school with the right program is a daunting task, but you can get a good start with this Society of American Foresters (SAF) College Guide. As the largest national scientific and educational organization serving the forestry profession, SAF has been a valued source of information, networking, and education for more than a century. We help students, young professionals, and seasoned veterans of the industry learn about, prepare for, and take on the challenges and changes in natural resource management.

This Guide Is Your Key to an Amazing Future

The SAF accreditation program was established over 80 years ago to ensure that postsecondary forestry programs across the country provide the highest standard of education possible. Accreditation focuses on the specific curriculum taught to students and the faculty and learning environment—not on specific colleges or institutions—and uses strict criteria to rate coursework and other factors. To help get the most out of your education and access the best career opportunities following graduation, choose an SAF-accredited forestry, urban forestry, natural resource, or forest technology program featured in this guide.

Every community college or university program is different, even among accredited programs. Geography, primary employment sectors of the region, and faculty all make each school unique. To make an informed decision, you should review all of the factors that make a school and its natural resource programs distinct.

In the following pages, we provide an overview of the SAF-accredited programs in the US and Canada. Read what they have to say about their curriculum, resources, and faculty in their own words and see how it matches what you’re looking for. If you want to learn more about the forestry and natural resources profession, visit www.eforester.org.

How to Choose an SAF-Accredited Program

Someone who graduates from an SAF-accredited program of study will be well-grounded in the professional and technical skill sets that forest stewards need. SAF offers four standards under which a degree program may become accredited.

Forest Technology: Two-year forest technology programs focus on applied skills and lead to an associate of applied science or associate of science degree. In the workplace, forest technology graduates implement forest management plans by laying out timber sales, supervising planting and thinning crews, conducting prescribed burns, and building recreational trails, among other responsibilities. Forestry technicians often have the opportunity to work closely with other technicians specializing in wildlife, fisheries, arboriculture, or recreation.

Forestry: Professional forestry programs focus on the philosophy and practice of management of forest resources for multiple objectives, including wood, water, wildlife, and recreation. Forestry undergraduate programs combine a strong science- and math-based liberal arts education in the first two years with a series of professional and field courses in the junior and senior years. Forestry graduates often work in forest resource planning and development, management and supervision, and policy and program administration, although some specialize. They often work as part of an interdisciplinary team with other professionals such as wildlife biologists, planners, or wilderness recreation specialists. Some US state boards of forestry licensure will allow only graduates of SAF-accredited forestry programs to become credentialed.

Urban Forestry: Like forestry programs, SAF-accredited urban forestry programs combine a science- and math-based liberal arts education with a series of professional courses designed to prepare graduates to work in an urban or suburban environment. Urban foresters use forestry skills and tools to manage the health and ecological functioning of urban green spaces to provide multiple amenities, including reducing heat effects, protecting water quality, providing recreational opportunities, and improving air quality. They often work as part of an interdisciplinary team with landscape architects, arborists, city planners, and recreation specialists.

Natural Resources and Ecosystem Management (NREM): These programs focus on the stewardship and purposeful management of any natural landscape to achieve desired objectives through the informed application of professional knowledge and skills. The programs are comprised of science- and math-based interdisciplinary courses, with an emphasis on human components and their interaction with ecosystems. They generally have a greater degree of flexibility in the choice of subject matter. NREM graduates use many tools and skills of forestry, wildlife, fisheries, range, watershed, and recreation disciplines to manage landscapes intended to be kept in a natural condition and managed for a multitude of reasons. In the workplace, they often work in resource planning and development, management and supervision, or policy and program administration.
What Does a Career in Forestry or Natural Resources Look Like?

The careers available in forestry and natural resources are diverse, as are the people in the profession. But what everyone has in common is a love of the environment and stewarding the land for future generations.

Name: Zhao Ma
Current Position: Associate Professor of Natural Resource Social Science at Purdue University. Officer (Secretary) for the International Association for Society and Natural Resources; Associate Editor for Small-Scale Forestry and Forest Science; Editorial Board Member for Society and Natural Resources; member SAF Forest Science & Technology Board
College(s) attended and degree(s) earned: BS in Material Physics from the University of Science and Technology Beijing; MA in Sustainable International Development from Brandeis University, PhD in Natural Resources Science and Management from the University of Minnesota

I first became involved in environmental grassroots movement in college. I wanted to work with “real” people to “make” them protect the environment! Through many inspiring and frustrating experiences, I started to realize that people do what they do for longevity all in one. This job gives me the opportunity to interact with people directly by educating them on what it is that I do and why. I manage the resources people use indirectly like the wood for their homes, and directly by managing and/or restoring the areas of the forest where they like to recreate. I am thankful for finding my calling because, like they say, “Choose a job you love and you will never have to work a day in your life.”

Name: Rachael Fredback
Current Position: Forestry Technician, US Forest Service Region 2
College(s) attended and degree(s) earned: BS in Forest Management, New Mexico Highlands University

My love for the outdoors and the urge for a new experience led me to New Mexico with its vast cultural and biological diversity to study forestry. New Mexico Highlands University equipped me with an array of skills and knowledge from my coursework, labs, research, outdoor educational opportunities, and more. Some of these opportunities led me to the 2016 SAF Conference in Madison, Wisconsin. Highlands provided me with the expertise to be able to obtain a career with the Forest Service through this conference.

What I love the most about my job is that I am able to care for the land and serve the people for longevity all in one. This job gives me the opportunity to interact with people directly by educating them on what it is that I do and why. I manage the resources people use indirectly like the wood for their homes, and directly by managing and/or restoring the areas of the forest where they like to recreate. I am thankful for finding my calling because, like they say, “Choose a job you love and you will never have to work a day in your life.”

Name: Jason Desjardin, CF
Current Position: Planning Forester, Seven Islands Land Company
College(s) attended and degree(s) earned: AS in Forest Technology, University of Maine at Fort Kent, and BS in Forest Management, University of Maine

Growing up in northern Maine, surrounded by sustainable agriculture and forestry, helped me to gain a deep appreciation for everything the land provides. I grew up with an inherent appreciation for natural sciences, many of my childhood days were spent on the family woodlot where I developed a desire to maintain and promote responsible use of forest resources for current and future generations. Studying forestry within the University of Maine system cemented that desire when I realized the societal and environmental importance of natural resource professionals, as well as the multitude of career paths and variety of day-to-day tasks achievable with a forestry degree.

My role as a Planning Forester for large tracts of commercial timberland is varied and exciting. I work at both the on-the-ground and strategic levels to build plans that support the landowner’s objectives and local and regional communities, along with a host of recreational, wildlife, and environmental benefits. One of the most exciting facets of my job, besides the obvious outdoor experiences, is the opportunity to work with landowners, numerous agencies, and other interested groups to positively influence the resource and the profession. The only constant in the forest is change. There is always something new to learn and a different way to view and appreciate the forest each and every day, which creates a fulfilling and empowering career.
What else does everyone in the forestry and natural resources profession have in common? A solid academic foundation in understanding how the natural world works, which you will gain by enrolling in an SAF-accredited program. Photograph courtesy of Sam Cook, North Carolina State University College of Natural Resources.
Another Perk of SAF-Accredited Programs: Social and Networking Opportunities

Most colleges and universities that offer SAF-accredited degree programs have an active SAF student chapter to join. Student chapters go on field trips, have social hours, and collaborate with other SAF chapters to provide networking, internships, and learning opportunities.

Becoming a SAF student member gives you access to:

Scholarships
Need a little extra financial help? Many forestry programs offer scholarships, and financial assistance is available for undergraduate and graduate students to attend the SAF National Convention. Students can also apply for $2,500 natural resource scholarships from Ben Meadows. For full details and to apply, visit the students’ area at www.eforester.org.

Build Your Professional Network
- Interact professionally with people from diverse specialties
- Gain additional knowledge and experience in local field and management projects
- Meet potential employers at programs
- Attend SAF’s local conferences and the National Convention, where you meet professionals shaping the science and practice of forestry

Take Your Knowledge with You
SAF publications are some of the most widely used scientific and technical resources in forestry. The Journal of Forestry is a peer reviewed, bi-monthly periodical that publishes the latest in research and practice—and it’s free with membership. You also receive The Forestry Source, the monthly digest covering the latest critical issues affecting natural resources and what’s happening inside SAF. Columns such as Field Tech and GIS for Foresters review the newest technologies and how to take full advantage of them. There are also thousands of articles and resources online at www.eforester.org.

Get Involved and Develop Your Leadership Skills
- Get hands-on experience and build collaborative skills by working on chapter projects
- Build your leadership skill set by serving as an officer or through opportunities to interpret forestry to others
- Engage in the National Student MeetUp!, which meets annually to discuss interests and activities from around the country
- Learn new forestry skills and show off your Quiz Bowl knowledge at local and regional Forestry Conclaves, where you can compete and meet other students and forestry professionals from across the US

Get Special Rates for National Convention
Get the ultimate experience in forestry and natural resources management at the SAF National Convention. Immerse yourself in the community’s premier annual event for forestry-related training and networking. Attend the Career Fair, participate in poster sessions, learn as professionals present the latest in forestry research and practice, and connect with peers and the leaders in the profession. Visit www.safconvention.org for details.
Belonging to an SAF student chapter offers opportunities for hands-on experiences in the field. The student SAF chapter at the University of the South participated in a student field day on Signal Mountain outside of Chattanooga, Tennessee. Photograph courtesy of Kentucky-Tennessee SAF.

At the SAF National Convention, Quiz Bowl is a popular event that tests students’ forestry knowledge. The winning team has bragging rights for the year. The 2017 winner was Mississippi State University: Jordan Childs, Zachary Tidwell, William Griffin, and Steven Wood (L-R).

Experiential learning is an important component of the forestry and natural resource degree programs. Professor take their students to visit a variety of urban and natural landscapes so students can receive hands-on training on see different management practices and network with professionals in the field. Professor Zhu H. Ning at Southern University and her students participated in a summer experiential learning program at a USDA Forest Service research station in North Carolina. Photograph courtesy of Enrique Reyes, East Carolina University.
What About After Graduation? SAF Has You Covered

SAF provides a number of resources that will help you begin an incredible career. Our comprehensive employment resource is created specifically for natural resource professionals.

- Build your résumé in our searchable online database for forestry and natural resource employers
- Find jobs and internships with the SAF Online Career Center
- Attend the annual Career Fair at the SAF National Convention

Because we know our younger members are just beginning their careers, we offer a Transitional Membership option that offers a reduced-fee membership price.

Become a Candidate Certified Forester® Becoming a Candidate Certified Forester helps you gain the experience and knowledge necessary to earn the Certified Forester credential and build upon what you learned during your college studies. “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,” says Louise Murgia, chief operating officer 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.”

“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 of the public asking for it. Jobs wanting certified employees and bids coming out from government agencies say they want someone who’s a Certified Forester, so it’s really important not to ignore it. It also sets you apart from everyone else, shows your commitment to professional standards, and reflects your professionalism and that you take your role very seriously.”

Continuing Education – Because There’s Always Something New to Learn When it comes to forestry and natural resources management, you are never done learning. SAF provides opportunities through educational workshops, seminars, field trips, or even self-study for you to stay abreast of the latest research and management policy.

A research fellow at the University of Minnesota's Department of Forest Resources, Stephanie Patton, is involved in collaborative work with soybean farmers and the University of Minnesota Silviculture Lab. They are investigating the relationship between buckthorn in forests adjacent to soybean fields and soybean aphid, an invasive insect which overwinters on buckthorn. Photograph courtesy of Stephanie Patton.

As a professional forester, John Dooner is frequently out in the field assessing timber stands for future harvests and other management needs. On this day in Gadsden County, Florida, he is marking the harvest boundaries for the stand on the right, the young pines on the left were planted in an old pasture two years ago. Photograph courtesy of John Dooner.
SAF-Accredited and Candidate Degree Programs in Forestry, Urban Forestry, Natural Resources and Ecosystem Management, and Forest Technology

ACCREDITATION
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 or Committee on Forest Technology School Accreditation, which determines that a degree program option meets SAF accreditation standards for mission, goals and objectives, program organization and administration, students, parent-institution support, curriculum, and faculty.

CANDIDACY FOR ACCREDITATION
Academic programs that are candidates for SAF accreditation have prepared a Report on Candidate Eligibility for the degree program options specified, which has been reviewed by the SAF Committee on Accreditation or Committee on Forest Technology School Accreditation and been found to meet the prerequisite criteria and to have the promise of meeting SAF accreditation standards. Candidacy does not guarantee eventual accreditation.

DEGREE PROGRAM OPTIONS
Many academic programs offer a diversity of options within a program, not all of which are accredited. The following listings categorize accredited degree program options according to the standard under which they are accredited and candidate degree program options under the standard under which they have candidacy status.

ALABAMA
Alabama A&M University, Department of Biological & Environmental Sciences
Website: http://www.aamu.edu/Academics/alsns/bes/Pages/BES.aspx
Degree awarded: BS in Forestry
Options accredited Forestry: Forest Management, Forest Science

Auburn University (See Page 18), School of Forestry & Wildlife Science
Website: www.sfws.auburn.edu
Degree awarded: BS in Forestry, BS in Forest Engineering, Master of Natural Resources
Options accredited Forestry: Forestry major, Forest Engineering option of the Biosystems Engineering program with a Forest Resources Minor, Master of Natural Resources Professional Forester

ARKANSAS
University of Arkansas at Monticello, College of Forestry, Agriculture and Natural Resources
Website: www.uamont.edu/pages/department/college-forest-agricultural-natural-resources
Degree awarded: BS in Natural Resources Management
Options accredited Forestry: Forestry option

ARIZONA
Northern Arizona University, School of Forestry
Website: https://nau.edu/cefnr/forestry
Degree awarded: BS
Options accredited Forestry: Forestry (extended major)

ARKANSAS
University of Arkansas at Monticello, College of Forestry, Agriculture and Natural Resources
Website: www.uamont.edu/pages/department/college-forest-agricultural-natural-resources
Degree awarded: BS in Natural Resources Management
Options accredited Forestry: Forestry option

BRITISH COLUMBIA - CANADA
University of British Columbia (See Page 21), Faculty of Forestry
Website: www.forestry.ubc.ca
Degree awarded: Master of Sustainable Forest Management
Options accredited Forestry: Master of Sustainable Forest Management

CALIFORNIA
California Polytechnic State University, Natural Resources Management and Environmental Sciences Department
Website: https://nres.calpoly.edu
Degree awarded: BS in Forestry and Natural Resources
Options accredited Forestry: Environmental Planning and Assessment, Forest and Environmental Practices, Urban Forestry, Watershed Management and Hydrology, Wildland Fire and Fuels Management, Wildlife Biology, and Individualized Course of Study

Humboldt State University, Department of Forestry and Wildland Resources
Website: www.humboldt.edu/fer
Degree awarded: Bachelor of Science with a major in Forestry
Options accredited Forestry: All curricular options leading to the BS in Forestry

Reedley College, Department of Agriculture and Natural Resources
Website: www.reedleycollege.edu/academics/divisions/division-c/index.html
Degree awarded: Associate of Science
Options accredited Forestry: Forest Technology: Forest/Natural Resources Technology

College of the Redwoods (See Page 21), Career and Technical Education
Website: www.redwoods.edu/forestry
Contact: Tim Baker
First candidacy year: 2018
Anticipated site visit year: 2022
Degree awarded: Associate of Science
Candidate Options Forest Technology: Forest and Natural Resources Technology

University of California-Berkeley, College of Natural Resources
Website: https://nature.berkeley.edu
Degree awarded: BS in Ecosystem Management and Forestry
Options accredited Forestry: Forestry
Options accredited NREM: Natural Resource Management

COLORADO
Colorado State University (See Page 15), Warner Center College of Natural Resources, Department of Forest and Rangeland Stewardship
Website: https://warnercnr.colostate.edu/frs
Degree awarded: BS in Forest and Rangeland Stewardship
Options accredited Forestry: Forest Biology, Forest Fire Science, Forest Management

Front Range Community College, Applied and Environmental Sciences Department
Website: www frontrange.edu/programs-and-courses/a-z-program-list/forestry-wildlife-and-natural-resources
Degree awarded: Associate of Applied Science
Options Accredited Forest Technology: Forest Technology

CONNECTICUT
Yale University, School of Forestry and Environmental Studies
Website: http://environment.yale.edu
Degree awarded: Master of Forestry
Options accredited Forestry: Two-year option

FLORIDA
University of Florida, School of Forest Resources and Conservation
Website: http://sfrc.ufl.edu
Degree awarded: BS in Forest Resources and Conservation
Options accredited Forestry: Business Management, Environmental Pre-Law, Forest Resources Management, Protected Areas Management, Recreation Resources Management, Urban Forestry

GEORGIA
Abraham Baldwin Agricultural College, Department of Forest Resources
Website: www.abac.edu/academics/schools/ag-natural-resources/forest-resources
First candidacy year: 2015
Anticipated site visit year: 2019
Degree awarded: BS in Natural Resource Management
Candidate Options Forestry: Forestry track
Dr. Neil Thompson, an assistant professor in Applied Forest Management at the University of Maine Fort Kent, is part of a nationwide effort to recover the American chestnut that was nearly lost because of an introduced blight in the early 20th century. His work involves propagating seedlings and identifying resistant individuals that will be used for future seeding efforts. Photograph courtesy of Dr. Neil Thompson.
Massachusetts

University of Massachusetts - Amherst, Department of Environmental Conservation
Website: https://eco.umass.edu
Degree awarded: BS in Natural Resources Conservation
Options accredited Forestry: Forest Ecology & Conservation

Michigan

Michigan State University, Department of Forestry
Website: www.canr.msu.edu/for
Degree awarded: BS in Forestry
Options accredited Forestry: Degree program leading to the BS in Forestry

Michigan Technological University, School of Forest Resources & Environmental Science
Website: www.mtu.edu/forest
Degree awarded: BS in Forestry, Master of Forestry
Options accredited Forestry: Degree program leading to the BS in Forestry, Degree program leading to the MF

Minnesota

Itasca Community College, Natural Resources
Website: www.itascacc.edu/nr
Degree awarded: Associate of Applied Science
Options accredited Forest Technology: Forestry

University of Minnesota (See Page 22), Department of Forest Resources
Website: www.forestry.umn.edu
Degree awarded: BS in Forest and Natural Resources Management
Options accredited Forestry: Forest Ecosystem Management and Conservation
Options accredited Urban Forestry: Urban and Community Forestry

Vermilion Community College, Natural Resource Technology Program
Website: www.vcc.edu
Degree awarded: Associate of Applied Science
Options accredited Forest Technology: Forest Management/Wildlife

Mississippi

Mississippi State University, Department of Forestry
Website: www.cfr.mstate.edu
Degree awarded: BS in Forestry, BS in Natural Resource and Environmental Conservation
Options accredited Forestry: All curricular options leading to the BS in Forestry
Options accredited NREM: Natural Resource Law & Administration, Natural Resource Technology, Resource Conservation Science

Missouri

University of Missouri (See Page 31), School of Natural Resources
Website: www.snr.missouri.edu
Degree awarded: BS in Forestry
Options accredited Forestry: Forest Resource Management

Montana

Salish Kootenai College, Natural Resources Department
Website: http://naturalresources.skc.edu
First candidacy year: 2017
Degree awarded: BS in Forestry
Candidate Options Forestry: Forest Management, Wildland Fire Management

University of Montana, Department of Forest Management
Website: http://www.cfc.umt.edu
Degree awarded: BS in Forestry

New Brunswick - Canada

Maritime College of Forest Technology
Website: http://mcfct.ca/en
First candidacy year: 2009
Anticipated site visit year: 2019
Degree awarded: Diploma
Candidate Options Forestry: Forest Technology

New Hampshire

University of New Hampshire, Department of Natural Resources and the Environment
Website: https://colsa.unh.edu/natural-resources-environment
Degree awarded: BS in Forestry
Options accredited Forestry: Forest Management, Forest Science

University of New Hampshire, Thompson School of Applied Science
Website: https://colsa.unh.edu/thompson-school-applied-science
Degree awarded: Associate of Applied Science
Options accredited Forest Technology: Forest Technology

New Mexico

New Mexico Highlands University, Department of Natural Resources Management
Website: https://newmexicohighlands.com/undergraduate-forestry
Degree awarded: BS
Options accredited Forestry: Forestry, Wildland Fire Management

Enrolling in a forestry or natural resources degree program means your classes will be out in the field where you will learn timber cruising, measuring coarse woody debris, monitoring wildlife, or even thinning a stand. These students are part of the Theory of Silviculture class taught by Dr. Rachel Cook, an assistant professor and codirector of the Forestry Productivity Cooperative with the Department of Forestry and Environmental Resources at North Carolina State University. Photograph courtesy of Sam Cook, North Carolina State University College of Natural Resources.
Southern University graduate students Brittany Benjamin and Wilbert Thomas are working with Professor Zhu Ning to collect research data on how plants respond to flooding at increased levels of CO2. Photograph courtesy of Zhu H. Ning, Southern University.
SOUTH CAROLINA
Clemson University, Department of Forestry & Environmental Conservation
Website: https://www.clemson.edu/cafes
Degree awarded: Bachelor of Science
Options accredited Forestry: Forest Resource Management

Horry-Georgetown Technical College, Natural Resources Technology
Website: www.hgtc.edu
First candidacy year: 2009
Last site visit year: 2017
Degree awarded: Associate of Applied Science
Candidate Options Forestry Technology: Forestry Management Technology.

TENNESSEE
University of Tennessee, Department of Forestry, Wildlife and Fisheries
Website: https://ag.tennessee.edu/fw/Pages/default.aspx
Degree awarded: BS in Forestry, BS in Wildlife and Fisheries Science
Options accredited Forestry: Forest Resources Management; Restoration and Conservation Science; Urban Forestry
Options accredited NREM: Wildlife and Fisheries Management

TEXAS
Stephen F. Austin State University, Arthur Temple College of Forestry and Agriculture
Website: http://forestry.sfasu.edu
Degree awarded: BS in Forestry
Options accredited Forestry: Forestry [tailored option]; Forest Management; Forest Wildlife Management; Forest Recreation

UTAH
Utah State University, Department of Wildland Resources
Website: http://gcrn.usu.edu/wild
Degree awarded: BS in Forestry
Options accredited Forestry: Forestry major

VERMONT
University of Vermont, Rubenstein School of Environment and Natural Resources
Website: www.uvm.edu/rsenr
Degree awarded: BS in Forestry
Options Accredited Forestry: Degree program leading to the BS in Forestry

WISCONSIN
West Virgina University, Davis College of Agriculture, Natural Resources & Design
Website: https://forestry.wvu.edu
Degree awarded: BS in Forestry
Options accredited Forestry: Forest Resources Management; Recreation, Parks, and Tourism Resources

WASHINGTON
Green River College, Technology Division
Website: www.greenriver.edu
Degree awarded: Associate of Applied Science
Options accredited Forest Technology: Forestry

Spokane Community College, Natural Resource Management Department
Website: www.scc.spokane.edu
Degree awarded: Associate of Applied Science
Options accredited Forest Technology: Forestry

University of Washington [See Page 22], School of Environmental and Forest Sciences
Website: www.sdfs.washington.edu
Degree awarded: BS in Environmental Science and Terrrestrial Resource Management, Master of Forest Resources – Forest Management Options accredited Forestry: Sustainable Forest Management option leading to the BS; curriculum leading to the MFR Options accredited NREM: Natural Resource and Environmental Management

WASHINGTON State University, School of the Environment
Website: https://environment.wsu.edu
First candidacy year: 2015
Anticipated site visit year: 2020
Degree awarded: BS in Earth and Environmental Science Candidate Options Forestry: Forestry major curriculum

WEST VIRGINIA
Glenville State College, Department of Land Resources
Website: www.glenville.edu
Degree awarded: Associate of Science
Options Accredited Forest Technology: Forest Technology

University of Wisconsin-Madison, Department of Forest and Wildlife Ecology
Website: https://forestandwildlifecology.wisc.edu
Degree awarded BS in Forestry Science
Options accredited Forest: Forest Conservation, Forest & Environment, Forest Management

University of Wisconsin-Stevens Point [See Page 24], College of Natural Resources
Website: https://www.uwsp.edu/cnr/Pages/default.aspx
Degree awarded: BS in Forestry
Options accredited Forestry: Forest Administration and Utilization, Forest Ecosystem Restoration and Management, Forest Management, Forest Recreation, Urban Forestry
Options accredited Urban Forestry: Urban Forestry
Breakthrough with University of Idaho’s Forest, Rangeland and Fire Sciences

Start your dream career learning from leading experts in some of the best outdoor classrooms in the world—the forests, rangelands, and wilderness of Idaho. Your education in our Department of Forest, Rangeland and Fire Sciences will give you the chance to learn cutting-edge science while gaining hands-on, practical experience:

- Use state-of-the-art modeling and remote sensing technology in the Thomas Reveley Geospatial Lab
- Conduct research as an undergraduate or graduate student on more than 10,000 acres of Experimental Forests
- Examine fire and fuel behavior in a controlled environment at the University of Idaho’s one-of-a-kind Fire Combustion Lab
- Research and work at the Pitkin Forest Nursery, the only operational research nursery based at a university in the West
- Take a Semester in the Wild at the Taylor Wilderness Research Station in the middle of the largest wilderness area in the lower 48 states
- Learn in the forests at the McCall Field Campus at our Summer Field Camp nestled in the Rockies of Central Idaho

These are just a few of the opportunities available at University of Idaho to help you make your career breakthrough. We have four degree programs:

**Forestry** — Conduct cutting-edge forest science and practice forestry skills in real-world situations to build a foundation for a career as a forester, silviculturist, or nursery manager

**Fire Ecology and Management** — Understand fire ecology and how to use fire as a management tool, map and model wildfires, and help communities become more fire resilient

**Renewable Materials** — Create materials for the future from wood and other renewable or recycled materials by designing the next generation of wood buildings and making biofuel from wood waste

**Rangeland Conservation** — Help manage and restore rangelands of the West while working with livestock and wildlife, and find solutions to keep rangelands healthy and productive

University of Idaho’s natural resources programs are among the best in the country for quality and affordability. Our graduates also get jobs. Employers seek out our students through multiple on-campus interviews each semester. Call or write us to find out more.

**Contact:** Dr. Charles Goebel, Professor and Department Head, 208-885-7311, cgoebel@uidaho.edu

George Hahn is a PhD student working with Dr. Adam Coates at Virginia Tech to study the effects of seasonality of prescribed burning on regeneration in the central Appalachians. Here he is measuring trees to collect pre-burn data. Photograph courtesy of George Hahn.
Become a Steward at Colorado State University

Driven by our land-grant mission, Warner College of Natural Resources at Colorado State University (CSU) embraces our role of cultivating the lands and students entrusted to our care.

Your Land
A mosaic of green and gold surrounds CSU’s campus. These stunning landscapes offer some of the most diverse forest and natural resource areas of any state in the nation. Our outdoor classrooms, encompassing public and private lands along with Rocky Mountain National Park, help you capture that complete picture of how to steward resources that support life on earth.

Your Community
Start building your career connections and a lifelong network of friends and peers through CSU student organizations including:
• The award-winning Alpha Student Chapter of the Society of American Foresters
• Logging Sports Team
• Society for Ecological Restoration Student Association
• Student Association for Fire Ecology
• Society of Women Environmental Professionals
• Minorities in Agriculture, Natural Resources, and Related Sciences

Your Skills
Undergraduate Degrees
Since 1904, our community of stewards have carried CSU’s ongoing legacy of natural resource leadership around the world. Join the Forest and Rangeland Stewardship Department and gain the versatility to study and manage lands that cover much of the earth’s land surface.

BS Forest and Rangeland Stewardship
Customize this accredited degree by choosing from five concentrations:
• Forest Biology
• Forest Fire Science
• Forest Management
• Rangeland and Forest Management
• Rangeland Conservation and Management

BS Natural Resources Management
Gain a broad understanding of just how interdisciplinary and interconnected our social, political, and ecological systems are. This knowledge empowers you to design sustainable solutions that address modern natural resource conservation and management challenges.

BS Restoration Ecology
Help address this century’s challenge to restore lands damaged by intensive human use and resource extraction. Learn how to restore ecological processes, functions, and aesthetics of damaged ecosystems.

Graduate Degrees
Our world-renowned faculty in the Forest and Rangeland Stewardship Department can help you take your science and stewardship to the next level. Become a forest and natural resource leader at the forefront of advancing natural resource fields and pioneering new disciplines.

MS and PhD in Forest Sciences or Rangeland Ecosystem Science
Explore your research interest as it relates to management, ecology, restoration, fire, economics, or policy within forests and other natural resource areas.

Master of Natural Resource Stewardship
This coursework-based program is offered on campus and online. By building on previous education and experience, you’ll offer competitive advantages in today’s job market.

Your Opportunities
Scholarships
CSU’s Warner College of Natural Resources awarded more than 200 scholarships valued near $450,000 to its students for the 2017–2018 academic year. All undergraduate and graduate students are eligible for scholarships. Find the right one and be awarded anywhere from $450-$5,000 each year.

Research and Outreach
Many research and outreach centers call CSU home. Options abound with the Colorado State Forest Service, Colorado Forest Restoration Institute, Center for Collaborative Conservation, and many more. Open these new doors to internship, volunteer, and instructional opportunities and gain down-to-earth experience while creating sustainable solutions for current natural resource issues.

Career
The world is waiting for you. Find your niche and become a forester, wildland firefighter, GIS technician, urban forester, timber sales manager, conservation manager, recreation planner, researcher, park ranger... the list goes on and on.

Why Colorado State University
• One of the top ten natural resources colleges in the nation according to USA Today
• Small-college atmosphere with the amenities of a world-class university
• Our award-winning Society of American Foresters Alpha Chapter is regularly one of the top SAF student organizations in the nation
• Ranked in the Top 100 of Top Public Schools by US News
• The first university to achieve a Platinum Sustainability ranking from AASHE
• Platinum Bike-Friendly Rating from the League of American Bicyclists since 2011

Become a Steward
Cultivating forest, rangeland and restoration leaders prepared to tackle modern natural resource challenges

The Lands in Your Hands

FOREST AND RANGELAND STEWARDSHIP
COLORADO STATE UNIVERSITY
970.491.6911
warnercnr.colostate.edu/frs

2018 Guide to Forestry and Natural Resources Programs
Study Forestry at Louisiana State University

Since the first forestry course was offered in 1911, Louisiana State University’s (LSU) School of Renewable Natural Resources has offered a rigorous, hands-on forestry education through its BS in Natural Resource Ecology and Management program (formerly BSF prior to 2013). As the oldest continuously accredited institution in the South, forestry education at LSU has a rich tradition and an unparalleled depth of opportunities through a choice of six Society of American Foresters-accredited concentrations.

• Three forestry concentrations - Forest Resource Management, Forest Enterprise, and Wildlife Habitat Conservation and Management
• Three natural resource and ecosystem management-related concentrations - Conservation Biology, Ecological Restoration, and Wetland Science.

Where You’ll Study

LSU is uniquely located to offer students a diverse set of field experiences in upland pines, bottomland hardwoods, and flooded forests. We’re also only 30 minutes from North America’s largest freshwater swamp, the Atchafalaya River basin, and North America’s largest coastal wetland system.

The curriculum emphasizes field experiences and begins extensive outdoor coursework in the third semester, and the program culminates in a capstone real-world experience in land management to meet forest, wetland, and fish and wildlife management goals.

Enhanced by an eight-week off campus spring camp at the 1,200-acre Lee Memorial Forest, forestry students participate in an integrated curriculum covering professional skills and problem solving relevant to the dynamic careers in forest and wildlife management.

Resources to Support Your Studies

Undergraduate research and experience building are emphasized at LSU. Experiences range from off campus paid internships with the Louisiana Department of Wildlife and Fisheries, on-campus student technician positions, and competitively funded undergraduate research projects. LSU and the College of Agriculture fund undergraduate projects, including supplies, travel, and stipends.

Scholarships are available from the University, College of Agriculture, and from the School of Renewable Natural Resources. During 2017-2018, the School awarded over $25,000 in scholarships.

The School of Renewable Natural Resources also offers graduate degrees at the MS and PhD levels. Our graduate research projects prepare the next generation of forest scientists and offer undergraduates another opportunity for building experience.

For more information, visit www.rnr.lsu.edu or contact Michael D. Kaller PhD, at mkalle1@lsu.edu.
Where Classrooms Breathe

Western North Carolina blazed the trail in forestry, establishing the groundwork for conservation, forest, and wildfire management. Following in that tradition, Haywood Community College (HCC) in Clyde, North Carolina, has offered a Forest Management Technology program for more than 45 years. Today, the College’s Natural Resources department provides technical programs to train students for tomorrow’s environmental workforce.

Located in the mountains of Western North Carolina, HCC’s Forest Management Technology program is just one of two associate degree programs in North Carolina accredited by the Society of American Foresters. The entire campus is a designated arboretum, with several additional teaching forests available to give students in-depth, hands-on learning options.

The Forest Management curriculum provides students with an understanding of the principles, while developing competencies and technical skills, in the production, utilization, and conservation of natural resources. Graduates qualify for positions as natural resources technicians in a wide range of outdoor national venues. Many become US Forest Service employees, National Park Service rangers, wildland firefighters, and experts in forest management, planning, procurement, and consulting. Course work includes instruction in woods and mapping skills, tree identification, timber measurement, logging and timber harvesting, tree propagation and regeneration, wildlife firefighting, resource management, equipment operation and maintenance, record-keeping, sales and purchasing, operations, and personnel supervision.

In addition, HCC offers an associate degree in Fish and Wildlife Management Technology. Accredited by the North American Wildlife Technology Association, HCC’s program is currently the only two-year program offered statewide. Graduates qualify for positions as natural resources technicians in a wide range of outdoor national venues.

HCC’s Natural Resources programs also have many long-running articulation agreements with four-year institutions including North Carolina State University, Virginia Tech, University of Tennessee, Western Carolina University, Paul Smith’s College, and the University of Idaho.

Celebrating the rich history of logging, forestry, and paper products industries, the College’s timbersports team keeps the lumberjack tradition alive. HCC students compete at the national level and consistently outperform peers at other colleges and universities. Participation on the team is open to all HCC students regardless of program of study or past experience in timbersports.

Annually, the HCC timbersports team hosts the John G. Palmer Intercollegiate Woodsmen’s Meet on Forest Festival Day held at the Cradle of Forestry. Nestled in the Pisgah National Forest, this 6,500-acre heritage site is in the heart of the Blue Ridge Mountains near Asheville, North Carolina, and was created by Congress in 1968 to “preserve, develop, and make available to this and future generations the birthplace of forestry and forestry education in America.”

Through these competitions, as well as volunteer opportunities and field trips, HCC Natural Resources students network and make valuable connections with agencies and professionals in the field that often lead to employment opportunities. Frequently, HCC Natural Resources graduates say the reputation Haywood Community College has in their field gives them an advantage when seeking a career.

More information about HCC’s Natural Resources programs can be found at www.haywood.edu or by contacting HCC at hcc-advising@haywood.edu or 828-627-2821.
This Is the Place for Natural Resource-Based Education

Located in the East Central region of Alabama, Auburn University School of Forestry and Wildlife Sciences (SFWS) offers easy access to the abundant forests, rivers, streams, and waterways that make this state one of the most biologically diverse in the nation. These diverse natural habitats, which span from the Gulf of Mexico to the Tennessee Valley, make Alabama an ideal place for education and careers in natural resources.

Established in 1856 as a land-grant institution, Auburn University offers an excellent value and quality of life for its students. Auburn University, which is situated within the idyllic community of Auburn, consistently ranks as a "Top 50 Public Universities" in the country by U.S. News and World Report and has been voted "Best College in the State" by Forbes magazine. Boasting annual enrollment at nearly 30,000, Auburn has also been voted one of the "Best Values in Public Colleges" by Kiplinger with 98 percent of Auburn alumni polled highly rating their decision to attend Auburn.

We Offer Degrees in...

Forest: Our accredited forestry program provides students with the knowledge to sustain and manage the diverse forest resources spanning local and regional landscapes. Forestry offers students a diverse choice of career paths that may involve industry, finance, public service, law, and research.

Forest Engineering Option: An interdisciplinary program with the biosystems engineering department, this major teaches students to solve problems by considering engineering as well as biological aspects of natural resource systems.

Geospatial and Environmental Informatics: Management of forests, wildlife, and natural resources has grown increasingly reliant on computer-based information science. Through this program we offer training in geographic technologies, statistical analysis, ecological modeling, and decision-making.

Natural Resources Management: This field involves the management of both people and the environment to achieve society's goals and sustain natural systems. This major prepares the next generation of leaders with the knowledge, ability, and excellence to conserve and manage our natural systems for a sustainable future.

Sustainable Biomaterials and Packaging*: This degree program will provide students with knowledge and hands-on experience in the areas of biomass production, harvesting, transportation, and other logistics; biomass processing and products/packaging development and testing; and business marketing and sustainability. "Enrollment begins Fall 2018.

Wildlife Ecology and Management: This degree program will provide a diverse biological education that is specifically designed for students interested in careers involving wildlife ecology, management, and conservation.

Wildlife Enterprise Management*: As one of only two programs of its kind in the country, wildlife enterprise management merges the wildlife management and hospitality industries. Graduates are positioned for success in a variety of hunting, fishing, and ecotourism businesses and are prepared to work in both private and public sectors. *This degree program is pending ACHE approval; enrollment opens Spring 2019.

Wildlife Science, Pre-Vet: This program exposes students to the basic principles of wildlife management while preparing them for veterinary school either at Auburn or other schools. Students interested in the outdoors and free-range populations may find this major especially useful.

SFWS offers four minors to pair with other degrees, including Natural Resources Ecology, Nature-based Recreation, Urban Environmental Sciences, or Watershed Sciences, so students may tailor a career path toward the fast-growing outdoor and nature-based careers.

Advanced graduate degrees in forestry, natural resources, wildlife sciences and applied economics are also offered by the school. We also offer online graduate certificates in Restoration Ecology, Forest Finance and Investments, and One Health.

We Provide Unparalleled Academic Resources and Hands-On Learning Experiences...

Faculty: SFWS professors are world-class scientists who offer unsurpassed classroom instruction and abundant opportunities for experiential learning. Our faculty lead research that ranges from biological, ecological and geospatial, to socioeconomic and policy aspects of forestry, wildlife, and natural resources conservation. The diversity of SFWS research allows students the opportunity to participate in research aimed at finding solutions to some of the most critical issues facing society. Undergraduates are exposed to research methods, such as data collection, laboratory work, computer modeling, and analysis, that has the potential to influence forest policy and product development, and wildlife and natural resources management strategies.

Infrastructure: The SFWS is housed within a recently constructed 110,000-square-foot building that features a 100-seat auditorium, eight technology-enhanced classrooms, modular conference rooms, computer labs, libraries, project rooms, a student advisement suite, and a student lounge. Adjacent to the building is a picnic pavilion and acres of forested green space available for student learning and enjoyment.

Outdoor Classrooms: SFWS offers nearly 6,000 forested acres and many educational facilities dedicated to instruction and experiential learning, including the 120-acre Kreher Preserve and Nature Center and the 400-acre Mary Olive Thomas Demonstration Forest, both located within Auburn, and the 5,300-acre Solon Dixon Forestry Education Center near Andalusia, Alabama. Bordering the Conecuh National Forest and Conecuh River, the Solon Dixon Center property features forest stands that range from dry uplands to wet bottomlands, creating a diversity of forest types and habitats. Cypress and tupelo ponds, sink holes, springs, caves, river frontage, dry upland ridges, agriculture, natural longleaf, abundant wildlife and wildflowers combine to create diverse teaching and management opportunities.

During their four-year program, forestry and wildlife sciences students spend an immersive summer field experience that takes them out of the classroom and into the outdoors. Students live and study at the Solon Dixon Center during this summer practicum taking courses that provide them with hands-on learning to gain the field skills necessary for their education and future careers.

Travel: Students are encouraged to travel abroad to understand natural resources management issues and practices from other cultural and geographical perspectives. We offer scholarships and other funding means in support of travel and conference attendance.

Student Organizations: During their time at Auburn, students may participate in one of our many student clubs that offer opportunities for socializing, professional networking, and career development. Available clubs include the Forestry Club, Natural Resources Society, Wildlife Society, as well as nondegree specific organizations including the Student Government Association, Student Ambassadors, and Minorities in Agriculture, Natural Resources, and Related Sciences.

We are Your Partners in Education and Post-Graduation Job Placement...

Academic Counseling: The SFWS Student Services Office has professional academic advisors who serve students based on the three pillars of academic advising: curriculum, pedagogy, and learning outcomes. Our framework is focused on the foundation: "Advising is teaching." The Student Services Office staff guides and mentors students, while enhancing their college experience at Auburn University.

Faculty Advisement: SFWS faculty provide curriculum and career advisement. Each student is assigned a faculty member within their degree area who can uniquely provide guidance that will help students progress toward a timely graduation and satisfying careers.

Financial Support: SFWS awards over $270,000 annually for merit and financial aid for forestry, wildlife, and natural resources students. Students also receive support for conference attendance and travel opportunities.

Professional Development: We offer training opportunities that develop our students’ communication skills and character traits that are essential to becoming desirable job candidates, valued employees, and effective leaders. Students participate in mock interviews to build their communication skills and writing workshops to develop effective resumes.

Job Placement: We encourage our students to seek out mentors and participate in internships with a local or regional employer every summer. SFWS offers an annual career fair to connect employers with graduating seniors and students seeking internships.

We are Committed to Your Career Success...

Industry and societal trends and the local and global nature of natural resources management indicate that employment opportunities in forestry, wildlife, and natural resources will continue to grow with diverse positions available within private corporations, public agencies, government, and academia. We will be there to support your career from start to finish. Begin your journey with the School of Forestry & Wildlife Sciences. Visit auburn.edu/sfws to learn more about SFWS programs and services.

This is Auburn.

Wendy Franklin, Coordinator of Student Recruitment 2224 SFWS Building • Auburn University, AL 36849 Email: workingwithnature@auburn.edu Phone: (334) 844-1094
REAL-WORLD EXPERIENCE

Auburn University’s School of Forestry and Wildlife Sciences offers students access to world-class faculty, state-of-the-art labs, expansive field sites, and cutting-edge technological resources.

We are a first-rate destination for education and careers in forestry, wildlife, and natural resources. Alabama is the third most-forested state with the second-largest inland waterway system and the fifth-highest level of biodiversity in the nation, making the state one of the finest outdoor classrooms for hands-on learning.

This is where you will apply classroom instruction to real-world situations. This is where you will be prepared to enter and flourish within a global marketplace. This is where you begin your career.

For more information, contact us at workingwithnature@auburn.edu

auburn.edu/sfws
Forestry at the University of Kentucky

The University of Kentucky (UK) is growing faster than ever before in its 150-year history. The campus infrastructure is being transformed with new, modern residence halls and science research buildings. Our College of Agriculture, Food and Environment is preparing the country’s next generation of environmental and land management leaders. With more than 22,000 acres in land holdings, including a 15,000-acre research and teaching forest, our college provides students the opportunity to take part in innovative solutions to real-world environmental issues.

Forests in Kentucky

- Kentucky boasts the second most diverse hardwood forest in North America
- Kentucky has more miles of running water than any other state in the U.S. except Alaska
- Forestry is a $13 billion industry in the state of Kentucky
- Kentucky is one of the top three hardwood lumber producing states in the U.S.
- UK’s Department of Forestry and Natural Resources is the only forestry degree-granting institution in the state and is accredited by the Society of American Foresters

Learn by Doing

Our forestry classes are designed to give students hands-on field experiences using the latest technology when learning about land-management principles and practices. During their junior year, all forestry students enroll in the Spring Field Semester, which consists of 16 weeks of hands-on, mostly outdoor field work. The first half of the Spring Field Semester is spent traveling throughout the region to learn about different ecosystems, land uses, management techniques, landownership types, and wood industry facilities. During the second half of the Spring Field Semester, students live at UK’s Robinson Forest with a 15,000-acre classroom at their cabin doorstep.

By focusing on experiences outside of the classroom, our forestry program empowers students to succeed in a dynamic and growing workforce. In addition to our professionally accredited curriculum, we offer many other opportunities that provide our students with very high job and graduate school placement rates including:

- Research - Forestry undergraduate students often get involved and gain experience in research. Many students continue their forest science education by attending graduate school.
- Professional Development - We offer travel scholarships for professional development, mentoring by professionals in the field, and opportunities to attend regional, national, and international professional meetings.

- UK Fire Cats - Many students earn money and experience in the UK Fire Cats, a student wildland firefighting crew employed by the Kentucky Division of Forestry.
- Wildlife Forester - The Wildlife Forester option provides forestry students with an interest in wildlife science the opportunity to combine these exciting outdoor career paths. For most students, adding one or two semesters to our forestry program provides the courses necessary to meet the minimum requirements for the Associate Wildlife Biologist Certification by The Wildlife Society.

Learn More

For more information, visit our website (http://forestry.ca.uky.edu/) or Facebook page (UK Forestry). Also see our companion major—the Natural Resources and Environmental Science program.

small classes.
BIG classrooms.

the Forestry major at UK

http://forestry.ca.uky.edu
Train in the Tallest Trees on Earth!

At College of the Redwoods (CR), our diverse and unique ecosystem—where the redwoods reach the ocean—provides an optimal arena to prepare for a career managing public and/or private forested lands for economic, recreation, and conservation purposes. Extensive fieldwork complements classroom discussions on forest ecology, fire and fuels management, inventory, surveying, and wildlife biology.

You will make good use of CR’s 200-acre campus that boasts Douglas-firs, Sitka spruce, and stands of native coast redwood, the tallest trees in the world. And field trips to other forest ecosystems on national and state parks are only a short drive away. These forested environments are our learning labs where you will apply lecture concepts and master field techniques. Internships are also available with local forestry-based businesses.

GPS and GIS, Remote Sensing Technology

All forestry, ecology, wildlife, and natural resource jobs will soon require experience with Geographic Information Systems (GIS). CR is your path to that goal. You’ll leave here with skills in global positioning, geospatial analysis, digital mapping, and 3-D terrain modeling.

If you’re interested in the emerging use of drones in forestry, our Summer Drone Academy teaches the physics of flight and weather, how to plan, deploy, and pilot a drone, and manage drone-related data.

A Smarter Investment

With in-state tuition and fees totaling less than $1,200 per year ($6,200 for out of state), CR is an affordable start on the path towards a 4-year degree.

WE ALSO OFFER:

• 200 acre outdoor classroom
• Emerging technology
• Field trips to diverse environments

Learn more at: www.redwoods.edu/forestry

Study in Beautiful Vancouver, Canada!

The University of British Columbia (UBC) in Vancouver, British Columbia, Canada, is a global leader for research and teaching that is consistently ranked among the 40 best universities in the world. Located in Vancouver on the stunning west coast of Canada, the campus is a spectacular location with views of snow-capped mountains, forests, and coastal inlets. The UBC Vancouver campus is home to over 44,000 undergraduate and 10,000 graduate students.

By attending the UBC Faculty of Forestry, you join a world leader in forestry education and research. You’ll be part of a community of graduate students from over 40 countries and award winning, internationally recognized faculty. You can take advantage of our extensive network of forestry professionals and join over 6,100 alumni around the world.

The SAF-accredited UBC Master of Sustainable Forest Management (MSFM) program is an innovative professional master’s program designed to help you pursue a career in professional forestry and gives you the skills to lead land management decisions. Further your career by earning your Certified Forester® or Registered Professional Forester designation after graduation.

This intensive nine-month program combines classroom seminars with hands-on learning, industry guest lecturers, career development workshops, networking events, and two one-week long field camps. You will learn how to design and implement site and landscape-level plans that integrate the environmental, social, and economic components of sustainability. Alumni of the MSFM program have a high rate of employment in the natural resource management sector.

Learn more about the MSFM program at www.forestry.ubc.ca/msfm or contact the program coordinator, Deb DeLong RPF MSc, at Deborah.delong@ubc.ca.

The application deadline for the 2019/20 academic year is March 2019.
Leader in the Field
Since 1935, the University of Minnesota’s (U of M) Department of Forest Resources has offered SAF-accredited programs. Located in the Twin Cities of Minneapolis and St. Paul, the U of M is a Big Ten, Research-1, Land Grant institution located in Minnesota’s “10,000 Lakes” country. The U of M’s Department of Forest Resources is home to an undergraduate forestry program ranked #1 by the Gourman Report and an interdisciplinary graduate program in Natural Resources Science & Management (NRSM) ranked second by the National Research Council.

Graduates secure permanent employment for tribal, federal, state, county, and local agencies; in forest products, recreation, and urban tree care industries; as policymakers, researchers, analysts, educators, and environmental entrepreneurs. In a survey of alumni from 2008-2016, 98 percent of graduates secured degree-related employment or additional education. For those who are bound for careers in natural resources, there is a fit for everyone in our programs, whether you seek to work in the great outdoors or help protect urban greenspaces. Imagine the natural resource career you want with these programs:

Bachelor of Science Program: Forest & Natural Resource Management (FNRM)
Choose from one of seven tracks:
- Forest Ecosystem Management & Conservation
- Park & Protected Area Management
- Urban & Community Forestry

Graduate Program (MS and PhD): Natural Resources Science & Management
Choose from one of seven tracks:
- Assessment, monitoring, and geospatial analysis
- Economics, policy, management, and society
- Forest & natural resources: biology, ecology, conservation, and management
- Forest hydrology and watershed management
- Forest products
- Recreation resources, tourism, and environmental education
- Paper science and engineering

By joining our program, you’ll benefit from:
- Access to over 3,700 acres of experimental forest at the Cloquet Forestry Center and Hubachek Wilderness Research Center
- Up to 6 weeks of field studies at the Cloquet Forestry Center for FNRM students
- Faculty to student ratio of 1:5
- 16 tenured and tenure-track faculty with applied and theoretical expertise
- Guaranteed scholarship for every undergraduate student in the FNRM major
- Networking with professionals and employers
- Forest Club, SAF Student Chapter, Women in Natural Resources, Tree Ascension Group, and Natural Resource Association of Graduate Students

Contact Us
Visit forestry.umn.edu, find us on social media, or visit us at:
Department of Forest Resources
College of Food, Agricultural and Natural Resource Sciences
115 Green Hall
1133 Cleveland Ave N
St Paul, MN 55108

University of Washington:
Tradition, Innovation, and Leadership
“...the hands-on learning in this program goes above and beyond others I have been involved in. Everything from the in-depth field trips, outdoor labs, and campus exploration made my educational experience unique, memorable, and incredibly valuable!”

That’s how one of our recent graduates described our program in an exit survey, and we couldn’t agree more. Since 1907, the University of Washington (UW) has been the standard-bearer of forest resource management, conservation, and education throughout the region and the country. Our faculty and student research has been at the leading edge of environmental and forest sciences for more than a century. Our name—the School of Environmental and Forest Sciences—reflects recognition of the dynamic environmental and social contexts in which forests and their management take place. The importance and need for our programs has never been greater.

The Pacific Northwest is home to a wealth of renewable resources and our work is critical in establishing a sustainable balance among timber production, forest conservation, habitat preservation, recreation, and other societal demands. Given the regional importance of forestry, the UW and its myriad partners in the Pacific Northwest are uniquely positioned to address complex issues of sustainable forestry and natural resource management.

In particular, the UW offers a beautiful and extremely well-equipped urban campus in Seattle, along with outdoor laboratories at field sites across the state. These include the 250-acre Washington Park Arboretum and Center for Urban Horticulture, the 4,300-acre Charles L. Pack Experimental Forest near Mount Rainier National Park, and the Olympic Natural Resources Center on the Olympic Peninsula. Our collaborative and interdisciplinary program options pair practical knowledge and skills from technical disciplines with policy and management. Students gain grounding in ecological and social sciences, forestry practices with a focus on sustainability, innovative utilization of forest products, and remotely sensed measurements, wildlife conservation, and biofuel and bioproduct development. Our rigorous curriculum prepares graduates for professional leadership in the private, public, and non-governmental sectors, and for graduate study.

Come prepare yourself for a career in forest science, management, and conservation in the beautiful city of Seattle and in the heart of the Pacific Northwest forest lands!

As of January 1, 2017, SAF granted continued accreditation to our Master of Forest Resources in Forest Management (completion possible in as little as one calendar year), as well as initial and provisional accreditation, respectively, to two BS undergraduate options: Sustainable Forest Management, and Natural Resource and Environmental Management. These options are now the only SAF-accredited BS programs in Washington State.

For more information, contact the Office of Student and Academic Services at 206.543.7081 or email sefsadv@uw.edu, and mention “SAF College Guide” in the subject line.

Website: www.sefs.uw.edu
Student Services Blog: uwfsfr.wordpress.com
Find us on Facebook and Twitter (@UW_SEFS)!
A Forestry Program Rooted in History

More than 100 years ago, the wilderness forests of upstate New York became home to Paul Smith, whose rustic resort hotel was a go-to destination for the rich and famous. Managing the timber on the property’s massive acreage was a major operation and thriving financial success. Today, those lands are occupied by Paul Smith’s College (PSC) where a Forestry education has been practiced continuously since the college began. PSC Forestry students, faculty, and alumni are part of a rich tradition that drives the industries depending on healthy and productive woodlands.

Meaningful Education for Real Careers

When students arrive at the college’s 14,000-acre campus they’re walking onto more than just an amazing wilderness landscape. PSC students actively manage our commercial timber properties and gain real-world experience in timber operations by working with professionals in the field. Our forestry microenterprise enables students to become practicing foresters before they even graduate – earning advanced timber harvesting credentials and a competitive wage along the way. Students in the program also learn the business of timber operations, which emphasizes the importance of an optimal yield and underscoring the need to respect our natural resources by avoiding waste. Our state-of-the-art mechanized logging equipment gives students first-hand practical training with the tools and techniques they’ll need to be successful in their careers.

Often students will pair their Forestry majors with a related minor, such as Sustainable Communities or Maple Production & Products. Most recently, the college introduced a popular new minor in Wildland Firefighting. Students in this program become proficient in wildland fire science, learning from professional wildland firefighters, and earning federally recognized wildland firefighter credentials. This skillset is increasingly critical to land management and public safety as the frequency of wildland fires around the globe is on the rise.

Each spring, the focus turns toward maple sugaring. Paul Smith’s 2,500-tap sugar bush typically produces one of the largest maple syrup yields in the region. Our harvest is one of the sweetest, too. Paul Smith’s College maple syrup has repeatedly won awards at the annual New York Maple Weekend events. For students who spend long hours tapping and boiling the sap, the syrup is a tasty reward.

Two-Year and Four-Year Degree Programs

Built on a longstanding Adirondack tradition, forestry education at Paul Smith’s College equips students with a foundation of technical, field-based, and applied education that combines theory and practice.

Bachelor’s degrees are offered in three concentrations:

- Ecological Forest Management prepares students for positions with government forestry agencies, forestry consulting firms, and non-governmental organizations
- Forest Operations is a fit for students interested in working for forest-products companies or running their own forest-products firms
- Forest Biology is ideal for students who want a career in research related to forest ecology and biology

All forestry graduates complete a rigorous curriculum that includes coursework in communications, liberal arts, and sciences to develop an ethic of citizenship and a current mix of marketable professional skills. It’s easy to switch between concentrations during the first year.

Paul Smith’s College has resources devoted to supporting our students’ forestry education: 14,000 acres of certified and actively managed forestland; a sawmill and other equipment; a forest manager; faculty resources and expertise; a 2,500-tap sugarbush; team of draft horses; and a rich alumni network who are dedicated to seeing the next generation of Smitties join their professional ranks.

Undeniable Outcomes

Simply put, our grads succeed. Nearly 100 percent of our forestry graduates are employed or pursuing further education within 18 months of graduation, based on recent alumni surveys.
University of Wisconsin-Stevens Point Will Launch You into Your Career

Earn your Bachelor of Science and Master of Natural Resources (MNR) degrees simultaneously with the NEW Natural Resources Four Plus One program at the University of Wisconsin-Stevens Point. Apply before your junior year and up to nine credits of 500 or 600 level courses taken during your senior year will count toward both your bachelor’s and master’s degrees. After graduation, only 22 additional credits are needed to complete the MNR program.

Take courses in natural resources policy, leadership and communication, ecosystem services, and research techniques. Example elective coursework includes GIS and spatial analysis, climate change, decision making, and environmental education and interpretation.

We offer undergraduate degrees in:

- Forestry: Learn how to sustainably manage our forests in our SAF accredited program. Program graduates manage forests for fiber, timber, wildlife habitat, and recreation, among others. Our program includes options in ecosystem management, forest management, forest-recreation, and urban and community forestry.
- Wildlife Ecology: Wildlife students learn how to manage wildlife populations, communities and habitats for conservation, sustainable harvest, and recreation.
- Resource Management: Students can choose from options in environmental education and interpretation, wildlife education, natural resources planning, wildlife fire science, conservation law enforcement, and environmental science.
- Soil and Waste Resources: Program options include soil science, soil and land management, and waste management.
- Fisheries and Water Resources: Make your career as a fisheries biologist, water resources specialist, or hydrologist.

Already have your undergraduate degree? The Master of Natural Resources degree is open to applicants with a wide variety of experiences and undergraduate degrees including fisheries and water resources, forestry, soil and waste management, wildlife ecology and many others. Offered completely online, you can set your own pace by taking as many or as few courses as you like.

Be a future leader in natural resources management, apply today at www.uwsp.edu/mnr!

The Department of Forest Resources and Environmental Conservation (FREC) at Virginia Tech is one of the top programs in the United States dealing with forestry and natural resource management and conservation. Our exceptional education, research, and outreach programs are diverse and approach critical natural resource issues from many perspectives. Our undergraduate degrees focus on using the latest research and technology to manage and conserve our forests and natural resources wisely. Programs of study are offered in five majors:

- **Environmental Informatics:** Study the application of “big data” and information science to address environmental issues. Learn about geospatial technology, mathematical and statistical modeling, remote sensing, and database management to help advise decisions regarding environmental challenges.
- **Environmental Resources Management:** Study all aspects of improving environmental quality to address global challenges in our broadest major. Learn about managing protected areas, influencing economic policy, forest soil productivity, urbanization, and genomics. Students have the option to specialize in watershed management.
- **Forestry:** Study various aspects of the sustainable production, management, and utilization of forests for their commercial and societal value. Students can choose to focus on urban forestry, forest management, or forest business operations.
- **Natural Resources Conservation:** Study environmental issues with an emphasis on teaching, training, or leading others in conservation and sustainability. This interdisciplinary major brings together both the natural and social sciences in real-world contexts. Students can choose to focus on either recreation management or environmental education.
- **Water:** Study the protection and development of the most important natural resource of all — water. Get interdisciplinary training to meet current and future water quality and access challenges. Students will learn about both water science and water policy, with the option to further specialize in one or the other.

CNRE Advising
cnre_students@vt.edu

Department Head: Jay Sullivan
jsulliv@vt.edu

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CNRE Advising
540-231-5482 or
cnre_students@vt.edu

Department Head: Jay Sullivan
jsulliv@vt.edu

Natural Resources
Four Plus One
An accelerated bachelor’s and master’s degree program

Learn more at uwsp.edu/mnr

2018 Guide to Forestry and Natural Resources Programs
School of Forest Resources, University of Maine
Forests, Outdoor Recreation, Environment: Make It Your Future

UMaine has the longest continuously accredited professional forestry program in the United States. The Dwight B. Dermenit forest, encompassing over 2,000 acres of forestland adjacent to the campus, provides an exceptional outdoor classroom for students and researchers. UMaine's forest resource programs immerse our students in forest ecosystem science, management sciences, nature-based recreation, and geospatial programs.

Learn. Our faculty take an integrated approach to teaching forest resources to equip you with professional and technical knowledge, reasoning ability, and communication skills essential for career success and are transferrable to careers outside forest resources.

Access. The on-site Barbara Wheatland Geospatial Analysis Laboratory is a center of excellence available for undergraduate education, and for graduate student and faculty research. The nearby Penobscot Experimental Forest is the ideal setting for research, education, and demonstration activities.

Explore. Maine has more forests than the rest of New England combined. Our experiential learning process includes courses ranging from biology, soils, geospatial analysis, ecology, silviculture, bioproducts, mapping, recreation, tourism, policy, and management. Semester-long and winter-term study abroad are encouraged and supported through scholarships for undergraduate and graduate students, as is student engagement in internships, workshops, conferences, and research projects.

Faculty and Facilities
The School of Forest Resources faculty have expertise in a wide range of forest resources fields encompassing forest ecology, forest modeling, human dimensions, economics, wood science, and emerging technologies. They are committed to providing leadership and inspiring critical thinking and excellence in their students. In addition to our outstanding programming, teaching and outdoor learning opportunities, students have access to a number of regionally and nationally recognized research centers on or near the UMaine campus: Advanced Structures and Composites Center, Center for Research on Sustainable Forests, Forest Bioproducts Research Institute, and Margaret Chase Smith Policy Center.

Bachelor of Science Programs
Forestry. Accredited by the Society of American Foresters, our four-year bachelor of forestry program prepares our graduates for a wide range of careers in sustainably managing and conserving working forests.

Parks, Recreation, and Tourism. The FRPT program is designed to qualify students to work in a variety of settings such as parks and protected natural areas; the public and private business sectors, and nonprofit environmental organizations, as well as state and federal natural resource agencies. Students can choose concentrations in Parks and Recreation Management, Nature-Based Tourism, Conservation Law Enforcement, or create an individualized plan.

Forest Operations, Bioproducts, and Bioenergy. Accredited by the SAF and the Society of Wood Science and Technology, this interdisciplinary program is designed to address major challenges to the industry, such as efficient and environmentally acceptable growth, and the management, extraction, and transportation of timber for the manufacture of forest products. It combines coursework, fieldwork, and faculty expertise in forest ecology, forest management, and wood science, with an emphasis in business administration.

Ecology and Environmental Sciences. The Forest Ecosystems Concentration in the EES program is designed to provide students with the breadth and depth of understanding required to become active participants in promoting the sustainability of our forests in the future. The Forest Ecology track will make students highly competitive for graduate studies in areas such as forest ecology, silviculture, forest health, or tree physiology.

Forestry and Survey Engineering Technology (Double Major). Graduates are prepared to take on the responsibilities of a professional surveying practice, and we offer classes in plane surveying, construction surveying, photogrammetry, remote sensing, boundary law, civil engineering, cadastral surveying, global positioning systems, land development design, and geographic information systems.

Graduate Programs
The School of Forest Resources offers academic and professional graduate programs that allow students to work in state-of-the-art facilities with renowned faculty. Nearly all graduate students receive some form of financial support ranging from full assistantships (MS, PhD) to partial scholarships (MF, MS, PhD).

Master of Forestry
This non-thesis, SAF-accredited professional degree is designed for students from any major to elevate their bachelor's degree via land management and forest ecosystem courses. Hands-on experience in Maine's forests allow students to gain highly valued skills necessary to start a career or continue advancing in the forestry profession, and is an excellent foundation for those interested in becoming professionally licensed foresters.

Master of Science in Forest Resources / Doctor of Philosophy in Forest Resources
Research-based graduate studies allow students to enhance their understanding of natural resource systems while establishing their scientific careers. Students gain practical and theoretical knowledge in collaboration with leading experts in forest ecology and management, forest-based bioproducts, wood science and technology, natural resources economics and policy, tree biology and physiology, and nature-based recreation and tourism.

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The University of Maine Orono is an equal opportunity/affirmative action institution.

2018 Guide to Forestry and Natural Resources Programs
Come Learn Forestry at Oklahoma State University

Oklahoma State University in Stillwater provides an SAF-accredited Forest Ecology and Management undergraduate degree option within the Department of Natural Resource Ecology and Management (NREM). Oklahoma is 28 percent forested, with forests types that include cypress swamps, southern pine, oak-hickory, and even pinon-juniper. This diversity makes our students have a chance to study a variety of forest types.

Our Academic Program

The NREM department has 20 faculty, 260–270 undergraduate students, 50–60 graduate students, and 8–10 post-doctoral associates. We offer five undergraduate options, including:

- Forestry Ecology and Management
- Fisheries and Aquatic Ecology
- Rangeland Ecology and Management
- Wildlife Ecology and Management
- Wildlife Biology/Pre-veterinary Science

Each option has a separate degree plan that includes more discipline-specific courses as students reach their junior and senior years. We provide a variety of campus-based and field-based courses related to forestry. We conduct forestry camps in southeastern Oklahoma and in the Rocky Mountains of New Mexico to provide hands-on experience with forestry field measurements, timber cruising, harvesting, and other sustainable forest management practices. In addition, the forestry and rangeland options offer capstone courses in the senior year that link ecological, biological, and economic factors in a real-world management scenario.

The NREM department also offers department-led study abroad trips to Ecuador, the Galapagos Islands, Peru, and Bolivia. These programs focus on the ecological and cultural aspects of these regions.

Our graduate program covers all five main topic areas, and most NREM graduate students and post-doctorates are funded by external research grants.

We Prepare Our Students for Their Careers

Our undergraduate degree programs prepare graduates with career options in federal and state forestry agencies, the forest industry, consulting, and non-governmental organizations. Because of the diverse nature of our department, our forestry students are exposed to faculty with expertise in the ecology and management of many different ecosystems, plant and wildlife species characteristics, wildlife habitat management, and aquatic ecology and watershed hydrology, in addition to the traditional forestry curriculum. They also have many opportunities to interact with students in other natural resource disciplines that help cultivate graduates with a broader understanding of ecology and management of a variety of ecosystems.

There are opportunities for undergraduate students to participate in research projects in all of these disciplines. The NREM faculty research program offers a balanced mix of expertise in basic and applied research related to ecosystems and applied management research, and undergraduates are encouraged to work with graduate students and post-doctorates. This is aided with an excellent Extension staff in wildlife and rangeland ecology. We also have a robust summer internship program that provides opportunities for undergraduates to work with agencies and the private sector. This has resulted in many undergraduates being offered positions well before they graduate.

More information about our forestry programs can be found at http://nrem.okstate.edu or call 405-744-5438.

We want you to be part of the Forestry Program at Oklahoma State University!

Oklahoma State University in Stillwater provides an SAF accredited forest ecology and management undergraduate degree option within the Department of Natural Resource Ecology and Management (NREM). We provide a variety of campus-based and field-based courses related to forestry. We also conduct forestry camps in southeastern Oklahoma and in the Rocky Mountains of New Mexico to provide hands-on experience with forestry field measurements, timber cruising, harvesting, ecology, and sustainable forest management practices.

Oklahoma is 28% forested with forest types that include cypress swamps, southern pine, oak-hickory, and even pinon-juniper. Our department has 20 faculty and 270 undergraduate students in disciplines of forestry, fisheries, rangeland, and wildlife. Our degree programs prepare graduates with the career options in federal and state forestry agencies, forest industry, consulting and non-governmental organizations.

We also offer department-led study abroad trips to South America.

More information about our forestry programs can be found at http://nrem.okstate.edu or call 405-744-5438.
Experience Forestry at Purdue!

Forestry students experience:

- Meaningful, one-on-one faculty-student interaction. Student-faculty ratio is 8:1.
- Unique undergraduate opportunities, including:
  - Participation in current research programs, such as long-term ecological/silvicultural projects or restoration of rare tree species (American chestnut, Hawaiian koa). Independent undergraduate research projects are readily available.
  - Opportunities includes special short-term courses, developed by forestry and natural resource faculty, to Costa Rica, Galapagos, and Europe, as well as semester abroad.
  - Leadership and entrepreneurship certificate programs.
  - A strong science education, including biology, chemistry, economics, mathematics, statistics, and political science provides the basis for graduate school and professional development.
  - Field skills training. In addition to many field laboratories during regular semesters, a five-week summer practicum is required. Conducted in Michigan’s Upper Peninsula, students experience both the expansive northern forest ecological zone and a natural resource-based socioeconomic environment.
  - Cross training in wildlife, aquatic sciences, and other natural resources areas.
  - A small school/family atmosphere within the diversity of opportunities available at a large university. Academic and career advisors know you personally, and provide a one-stop shop for academic, career, and personal advice. Merit- and need-based scholarships are available.
  - A feeling of community through organizations such as the Student Chapter of the Society of American Foresters, the Purdue Student Society of Arboriculture, student chapters of The Wildlife Society and American Fisheries Society, FNR Student Council, and hundreds of other organizations across campus.

Department of Forestry and Natural Resources (FNR)

With over 100 years of forestry education, the Department of Forestry and Natural Resources offers four undergraduate majors, including Bachelor of Science in Forestry accredited by the Society of American Foresters, as well as Bachelor of Science in Agriculture, with majors in aquatic sciences, wildlife, and sustainable biomaterials: process and design. The department’s research programs include sustainable forest management, invasive species ecology and management, forest ecosystem resilience, socioeconomic behavior, sustainable biofuels, and many others. These areas and others provide opportunities for undergraduates to hone skills and earn money by being directly involved in data collection.

FNR manages more than 24 forested properties across the state of Indiana. Two properties close to Purdue are used extensively to support field exercises. Others are available for special educational exercises and research. A significant private endowment, supplementing federal, state, and university sources, combines to provide excellent support for faculty, graduate and undergraduate teaching, research, and engagement. FNR was rated one of the top doctoral programs in forestry and forest science in the country by the National Research Council (2010). Go to www.ag.purdue.edu/fnr for more information.

Purdue University

Purdue is recognized for academic excellence, cutting-edge research, and the achievement of its graduates. Students and graduates join a global network of leaders in business, healthcare, science, technology, education, the arts, agriculture, communication, politics, and much more. As a Big Ten University with approximately 30,000 undergraduate students, Purdue offers a dynamic community of goal-oriented individuals who recognize potential in themselves and each other. Purdue currently ranks as the tenth best forestry program in the country by CollegeFactual.com, and is recognized by the Princeton Review and Smart Money as a top value for the educational investment. The student-faculty ratio is a low 14:1. And in 2017, Purdue announced it was freezing tuition for the upcoming year—the seventh consecutive year of stable tuition prices. Hail Purdue!
It’s all About the Resources.

Welcome to the only university in Illinois with a national forest in the backyard. Let’s go over some basics.

Where?
Forestry students at Southern Illinois University (SIU) Carbondale have access to 3,000 acres of SIU forest stands and experimental plots, 1,000 acres of auxiliary forest and research plots, and partnerships with the 270,000-acre Shawnee National Forest, 43,000-acre Crab Orchard National Wildlife Refuge, and 4,000-acre Trail of Tears State Forest. You won’t find geographic diversity like this just anywhere.

Cypress swamps, old-growth forest, diverse hardwood and coniferous forests, restored forests, floodplains, bluffs, and the proximity of numerous lakes and major rivers put SIU students in a unique position to study a variety of distinct ecosystems right on campus or within a short drive from it. In fact, Thompson Woods, right outside the Agriculture Building with walkways to the Student Center, Morris Library, and other parts of campus, is an outdoor lab for forestry students and an auxiliary classroom for our innovative tree-identification course. SIU is part of Illinois you might not even know exists.

What?
We’ll help you refine your focus with our degree specializations – whether you want to put people among trees or trees among people, responsibly manage forest harvests, protect and study waterways, or study habitat and the wildlife that lives in the forest and adjacent areas, you’ve come to the right place. Our Bachelor of Science degree in forestry accredited by the Society of American Foresters enables students to specialize in forest resources management; forest recreation and park management; forest hydrology; urban forest management; and wildlife habitat management and conservation.

Sometimes you’ll be in a classroom, but we emphasize getting out in the woods, hands-on learning, and field-intensive courses. Field trips are an essential part of our program – not only for the ecosystems, but also to learn from the people who manage them. Our “summer camp” is a guided tour of national and state parks, forests, and wilderness and recreation areas to examine and experience forestry topics. And our study abroad opportunities include natural resource management in Ireland, tropical forest and wildlife conservation in Panama, and sustainable practices in Costa Rica.

Modern forestry isn’t just about forest ecosystems. It’s also about social environments. Our program provides the science base you need to understand forest ecosystems, the social science skills to understand how people affect forest conditions and conservation efforts, and the management skills to match the need for renewable forest resources with sustainability.

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

For our students, forestry isn’t just a major; it’s who they are. That’s one reason there are so many career and social student organizations affiliated with our department and across SIU. Join the Saluki Environmental Educators, National Wild Turkey Federation Student Chapter, FireDawgs, Forestry Club, Saluki Bassers, Society of American Foresters, Xi Sigma Pi forestry honors society, Wildlife Society, or the American Water Resources Association, among others. We’ll also encourage you to get involved with general agriculture organizations, such as the Agbassadors and the Ag Council. Ask about the Living Learning Community in Steagal and Bowger Halls, available to all our students in the College of Agricultural Sciences.

It’s a Saluki nation! We’ve eliminated out-of-state tuition. Domestic students pay the same tuition rate as students from Illinois.

After college, then what?
We want you to follow your passions – but we want you to earn a paycheck, too. We emphasize career building right from the start. We keep track of our Saluki pack, and we’ve got graduates working across the nation in diverse organizations, including: the Bureau of Land Management; National Park Service; US Forest Service; US Army Corps of Engineers; US Fish and Wildlife Service; state departments of natural resources; park and conservation districts; environmental consultants; forest management companies; and nongovernmental conservation and preservation organizations.

Come for a visit! Get a taste of what it’s like to be part of our SIU forestry family. Meanwhile, we’ll show you our Tree Improvement Center; historical ecology and fire, GIS and water quality labs; research greenhouse; hardwoods plot; and more.

Undergraduates: High school students: Your visit can be a general visit – an open house where you’ll have information about the entire university available. Or you can schedule an individualized visit and meet with forestry faculty.

Transfer students: Our academic advisors can help you make the most of the credit hours you’ve already earned, or help you plan credits for maximum benefit. Contact our college to find out what you need to do to make the transition to SIU easier.

Graduate students: Contact the department or check the faculty pages to find out who shares your research interests – and then introduce yourself! Phone numbers and email addresses are on faculty pages.

SIU Forestry Faculty
Kofi Akamani — human dimensions of natural resource management; social influences in forestry, land use management and planning; forest recreation summer camp
John Groninger — oak ecosystem management; reforestation; urban forestry; sustainable management; international agriculture and watershed development; hardwood plantations; forest resource summer camp
Eric Holzmueller — forest management and ecology; forest health; mapping and GIS; Appalachian and Smoky Mountains forestry; invasive species; forest resource summer camp
Clay Nielsen — Cooperative Wildlife Research Laboratory; Cougar Network studying cougar range and habitat; ecology, urban wildlife; wildlife biology; natural resources inventory; wildlife conservation
Logan Park — natural areas recreation ecology; sustainable trail design for multiple-use trails; river use planning; visitor behavior management; trail and campsites use and erosion; forest recreation summer camp
Charles Ruffner — forest measurements, dendrochronology [tree rings]; historical ecology, fire management and ecology; disturbance ecology, forest resources summer camp
Jon Schoonover — tree identification; urban ecosystem management; forest soils; watershed management; agricultural sustainability; giant cane restoration; forest hydrology; impact of land use on water chemistry
Karl Williard — forest hydrology and watershed management; wildland hydrology; water quality; runoff and soil issues; groundwater; the water cycle
Jim Zaczek [department chair] — ecology and forest ecosystems; forest restoration; old-growth hardwood forests; oak regeneration; restoration of canebreaks [native American bamboo]; tree physiology

Contact: Department of Forestry 618/453-3341 Chair: Jim Zaczek 618/453-7465 zaczek@siu.edu Recruiters: Peyton Gehrs 618/453-3014 peyton.gehrs@siu.edu siu.edu/admissions
IT’S YOUR Nature to EXPLORE.

WELCOME TO THE ONLY University in illinois with a National Forest in the Backyard.

forestry.siu.edu
Fulfill Your Passion at the Warnell School of Forestry and Natural Resources

Even as a child, Tyus Williams always had a natural curiosity about the world. An explorer at heart, Williams has always wanted to figure out how nature works, to learn more than "what meets the eye." Majoring in wildlife at the Warnell School of Forestry and Natural Resources was a no-brainer, he says, and he’s excited about what he’ll be doing once he graduates in 2019.

"I like knowing that I will have a degree in something that I have always been passionate about in life," he says. "Being able to say that I am officially a scientist not just by the way I think but with the credentials to verify it. I’m elated to know I can go out and do the very things I promised myself I would do."

But for now, Williams is taking advantage of the opportunities the Warnell School offers all of its students: a small-school atmosphere tucked away on the University of Georgia’s large campus. Students at Warnell don’t get lost in the crowd. They don’t have classes filled with 300 people, and they get one-on-one teaching because Warnell professors know them all by name. Warnell students learn from internationally recognized experts on the sustainable management of our natural resources.

Founded in 1906, Warnell is the oldest college focused on natural resources in the South, and it has the only SAF-accredited undergraduate and graduate forestry programs in Georgia. Warnell has award-winning and internationally recognized research and teaching programs that emphasize sustainable natural resource management.

Warnell focuses on learning and researching new and better ways of using and restoring our renewable resources through hands-on, in-the-field teaching, groundbreaking research across the world, and outreach to the community.

A Warnell graduate understands the challenges facing our ecosystems and will be prepared to manage them for future generations.

OUR MAJORS
Students at Warnell receive a well-rounded education that prepares them to serve in a variety of natural resource-related professions. The Bachelor of Science in Forest Resources degree program provides a strong foundation in the biological, physical, and social sciences, followed by two years of focused study in the student’s selected major:

- Fisheries and Wildlife: Gives students an understanding of the diverse forces that influence fish and wildlife management, the physical and biological elements of the natural environment, and the ability to analyze natural resource problems to forge realistic solutions.
- Forestry: Teaches the sustainable management of forestlands to meet society’s demands for wood, clean water, wildlife habitat, recreation, conservation of forest flora and fauna, and climate amelioration.
- Natural Resource Management and Sustainability: Provides a combination of knowledge and skills in biological and ecological sciences, natural resource management and social sciences needed to address complex natural resource challenges. Offers three areas of emphasis: community forestry and arboriculture, geospatial information science, and water and soil resources.
- Parks, Recreation, and Tourism Management: Provides an understanding and appreciation for the management of natural resources for outdoor recreation and nature-based tourism opportunities. An integral part of this major involves helping students to better understand the “human dimension” aspects of managing natural resources.

SMALL CLASSES, BIG CLASSROOMS
The Warnell School's classes 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 owns 23,000 acres of forestland across the state for outdoor classroom space and research. Our state-of-the-art laboratories are available to students 24 hours a day. These labs are located both in our UGA campus complex and at off-site locations like Whitehall Forest, a 740-acre teaching and research forest managed by the Warnell School. Located 10 minutes from campus, Whitehall Forest houses a fish hatchery, a white-tailed deer research facility, soil demonstration areas, an arboretum of native tree species, and a variety of natural habitats. Whitehall Forest is the perfect place for students to receive hands-on training for the skills needed in natural resources management.

The Warnell School also offers a computer lab exclusively for Warnell students. Open 24 hours a day, the lab is updated with the latest geographic information systems software and statistical programs.

LEAD THE WAY
Warnell prides itself in not only educating future leaders and managers about our natural resources, but in creating a family among students who then support each other beyond graduation.

Finding your way to Warnell and fulfilling your passion to protect and manage our natural resources starts with our website—warnell.uga.edu.
Let the World be Your Classroom

The School of Natural Resources at the University of Missouri is the Midwest’s only school with a comprehensive natural resources program. Study at one of the leading educational institutions in the nation that emphasizes an integrated approach to understanding and modeling the natural environment, managing natural resources, and enhancing the public experience at parks, recreation centers, and sporting events.

OUR MAJORS

The School of Natural Resources at the University of Missouri offers three majors, each with focused degree options that prepare students to succeed in a variety of natural resource-related professions:

- **BS in Natural Resources Science and Management** with emphases in:
  - Forest Resources trains students for employment as urban and resource foresters, arborists, and forest rangers to sustainably manage and conserve public and private forests.
  - Fisheries and Wildlife Sciences develops skills to manage and conserve game and non-game species as game wardens, wildlife biologists, fisheries biologists, and conservation biologists.
  - Terrestrial Ecosystems prepares graduates to work for state and federal agencies that manage timber, wildlife, water, and soil resources.
  - Human Dimensions develops skills in the applied social sciences that can be used for environmental education, ecological restoration, resource management, and basic research.

- **BS in Environmental Sciences** with emphases in:
  - Atmosphere develops knowledge of meteorology and atmospheric processes that can be used to forecast the weather and predict climatic change for private companies and government agencies.
  - Land and Soil prepares graduates to improve environmental quality and maximize ecosystem services while working as land managers, soil and water conservationists, and soil scientists.
  - Water trains students for employment as water quality specialists and hydrologists who monitor water quality/quantity and improve water resources for human and environmental health.
  - Outreach and Education develops skills to communicate environmental principles and discuss environmental challenges with the public through employment as environmental educational specialists.

- **BS in Parks, Recreation and Sport** with emphases in:
  - Natural Resource Recreation Management trains students to manage natural and cultural resources, design outdoor programming and operate parks as park rangers, naturalists, or outdoor skills specialists.
  - Tourism Development develop skills to assist local, state, and regional development agencies to grow tourism venues and enterprises as travel agents or tourism sale coordinators.
  - Sport Management gives graduates a strong background in management and programming that permits employment with professional or collegiate sports organizations, governing sport bodies, or media.
  - Recreation Administration prepares graduates to work in a wide variety of public and private recreation enterprises as recreation specialists or parks directors.

HANDS-ON LEARNING

The Thomas Baskett Wildlife Research and Education Center, located just 15 minutes from campus, provides 2,200 acres of forest and wetland “laboratory” space for teaching, research, and Extension activities. Prairie Forks Conservation Area preserves 700 acres of grassland habitat for activities relating to environmental education, ecological restoration, resource management, and basic research.

All students apply classroom learning in the field through laboratory course components and by engaging in an internship or research experience. Partnerships with state and federal agencies, as well as private enterprises, help students to become career-ready while making important professional connections.

STUDENT RESOURCES

The School of Natural Resources is noted for small classes, hands-on student research opportunities, active student organizations, high-tech classrooms, personalized advising, and strong professional orientation.

Our faculty are recognized as leading teachers and researchers in their fields. Students interact one-on-one with professional advisors who provide academic guidance and personal coaching. The School and the College of Agriculture, Food, and Natural Resources, within which the School resides, awards over $1.5 million annually in undergraduate scholarships.

STUDY ABROAD

The School encourages students to study abroad to add a cross-cultural perspective to their classroom skills and an international dimension to their résumé. Through our tailored short-term and semester study abroad opportunities, students learn about sustainable forestry practices in Costa Rica, water and environmental management in France, biodiversity and conservation in Thailand, sport management in Austria or Spain, and park management in Canada.

YOUR FUTURE

Over 90 percent of Mizzou graduates secure a job in their field, continue with graduate education, volunteer with a service organization, or enlist in the military within one year of completing their bachelor’s degree. Mizzou graduates begin their careers with 25 percent less college debt than the national average.
Complete Your Journey with an SAF Forestry Ring

The SAF ring program honors forestry graduates and creates a tradition to last for generations. When SAF members graduate from an SAF-accredited program, they receive a FREE graduation ring to commemorate their accomplishment.

Made of tungsten carbide with SFI-supplied US veneer inlay, this ring is highly durable.

Visit www.safnetstore.org or call (866) 897-8720 for details.

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