

About Auburn University

For 25 consecutive years, Auburn has been a fixture on US News & World Report's list of the top 50 public universities in the country. Auburn's academic offerings are outstanding, and its students benefit tremendously from the university's academic and social support. The university fosters a unique atmosphere and cultivates a connection between students and the campus community, a feeling that has been described as just like home for more than 160 years.

A personal approach

Forest engineering students enjoy a low student-to-faculty ratio and are afforded numerous hands-on experiential learning opportunities. In addition, students are supported by dedicated professional advisors and glean knowledge from world-class faculty members committed to helping students build a solid foundation for a successful career.

An industry authority

Auburn's Forest Engineering program is one of only two Society of American Foresters (SAF) accredited programs in the United States and the only program in the eastern U.S. This cross-disciplinary degree program, founded on the principles of engineering, forestry, and natural resources management, ensures graduates are prepared to sustainably manage trees, soil, water, and other natural resources within the forest ecosystem.

A network for career advancement

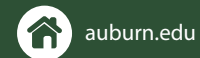
Auburn's robust career services equip students to launch purposeful careers by providing customized, student-centered career development, coaching, and other resources. Its cultivated industry-focused partnerships with businesses are valuable assets for those seeking internships and job positions.

INNOVATING FOREST OPERATIONS FOR A SUSTAINABLE FUTURE.



School of Forestry and Wildlife Sciences
College of Agriculture
Samuel Ginn College of Engineering

For more information contact:
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at workingwithnature@auburn.edu



Auburn University is an equal opportunity educational institution/employer.

A U B U R N U N I V E R S I T Y

Forest Engineering

*Engineering Careers Dedicated to the
Sustainable Management of Forest Resources*



What Is Forest Engineering?

Forest engineering is the application of engineering principles and techniques for the sustainable management and maintenance of trees, soil, water, and other natural resources within the forest ecosystem. Forest engineering is a hybrid of engineering, forestry, and management that is focused on the efficient, cost-effective, and environmentally-friendly utilization of natural resources.

Forest Engineers are the backbone of forestry operations.

Forest engineers design, construct, and evaluate the operational systems that make the forest products industry work by:

- Designing, building, and maintenance of roads and bridges
- Planning harvest operations and optimizing transport logistics to provide a stable supply to wood consuming industries
- Working with loggers to protect and improve forest ecosystems
- Integrating new technologies into forest operations and management while assuring safety standards are maintained

Where are Forest Engineers employed?

Forest engineers have a broad skillset that can be applied to occupations such as land-use planners, forest technicians, foresters, land surveyors, or conservation scientists within the following sectors:

- Forest products companies
- Forest industry contractors
- Environmental consulting firms
- Engineering and forest management consulting companies
- Government and research institutions



Gain Knowledge and Real-world Experience

The program is collaboratively taught by world-renowned faculty from the School of Forestry and Wildlife Sciences and the Department of Biosystems Engineering in conjunction with the Samuel Ginn College of Engineering and the College of Agriculture. Forest Engineering is an option as part of the Bachelor of Biosystems Engineering degree. Graduates are eligible for registration as Professional Engineers and, upon completion of a minor in forest resources, may also become registered foresters.

In addition to completing the full set of engineering fundamentals courses, forest engineering students obtain specialization in process engineering for forest products; structural design using engineered wood products; land and water conservation engineering; design of forest roads and transportation systems; and design of forest machine systems and mobile equipment. Students in the program also take courses in ecology, biology, silviculture, mensuration, economics, forest management, and forest operations. Education as both an engineer and a forester gives the forest engineer a broad selection of career opportunities.

Beyond the classroom, students gain hands-on forestry experience through the School of Forestry and Wildlife Sciences' eight-week summer practicum experience at the Solon Dixon Forestry Education Center, located near Andalusia, AL. They will also work in teams to solve complex engineering design problems in cooperation with external professional engineers. These experiential learning opportunities coupled with rigorous classroom instruction prepares students to be competitive in their career field.



Alumni putting their Auburn Degrees to Work



James Dearman '13

Engineer, PBS Engineer and Environmental, Inc.
Auburn's curriculum is a truly unique resource to students who are interested in both engineering and forest management. I've applied these technical skills directly in the forest engineering field in the Pacific Northwest and in a broader context in civil engineering consulting. My degree provided a foundation in problem solving and natural resources that will serve me throughout my career.

John Lancaster '15

Consultant Forester, MidSouth Forestry Services
My job responsibilities include the organization, implementation, and oversight of forest management activities, including forest inventory, site prep and reforestation, timber stand improvement, harvest scheduling, and third party certification for timberlands under management. I also assist with GIS data management and occasionally lead road and stream crossing design/construction projects.



Tripp Powers '18

Fiber Supply Associate, International Paper
Forest Engineering has given me the ability to combine both the forestry and engineering fields of study into one skill set that enables me to work with other engineers in the field and understand the business side of fiber quality and procurement, which has given me a competitive edge when applying for jobs.



Forest engineering students must adhere to AUSOM deadlines to be considered for scholarships within the Colleges of Agriculture and Engineering.