BACHELOR OF SCIENCE

BIORESOURCE SCIENCE AND ENGINEERING
The BSE curriculum and the support of the faculty and staff gave me the tools I needed to excel in a process controls position. Through the Washington Pulp and Paper Foundation and the program’s engagement with prospective employers I was able to interview for my job before graduating.

- **Riley Fitzpatrick**, Class of 2018, Process Controls Engineer, Andritz Pulp and Paper

My interest in sustainability through recycling formed the basis for my journey to BSE. I didn’t intend to become an engineer, but the objectives of this program sparked my curiosity. In the last two years I have come to understand and appreciate the endless opportunities and value that comes with having a BSE degree.

- **Gloria Ozioma Agwu**, Class of 2020
In the only program of its kind in the western U.S. to link chemistry and engineering to bio-sustainability, Bioresource Science and Engineering (BSE) students learn to create and innovate sustainable and renewable materials, from paper to biofuels and batteries. BSE applies chemical engineering and materials science to design natural and fiber-based materials, creating environmentally sound systems for their production.

**Hands-On Learning**

- Produce fuels and chemicals from multiple biomass resources in the Biofuels and Bioproducts Lab.
- Produce, finish and test paper and fiber products using industrial equipment in the Paper and Bioresource Science Lab.

**Gain Career Ready Skills**

- Data analysis and statistical quality control
- Design and conduct experiments
- Manufacture products from sustainable natural resources
- Interdisciplinary teamwork and stakeholder communication
- Process unit operations and process control

**Graduates’ Next Steps**

With the department’s job placement services, BSE students find rewarding positions after graduation—about half with primary manufacturers and about 40% with engineering firms or equipment and process providers. About 10% are directly admitted into highly competitive graduate school programs.

- Kenny Saari, Class of 2019
  Process Engineer, Packaging Corporation of America
- Daniel Phung, Class of 2019
  Chemical Engineer, International Paper
- Mazda Hutapea, Class of 2019
  Environmental Engineer, Cascades Tissue Group
- Zoe Tisler, Class of 2018
  Technical Sales Engineer, Solensis
- Michael Windrim, BSE 2016
  Production Manager, Zeachem

**SCHOLARSHIPS AND FUNDING**

The School of Environmental and Forest Sciences (SEFS) awards scholarships to selected incoming BSE students (sophomore and community college junior transfers). These scholarships transition to Washington Pulp and Paper Foundation (WPPF) scholarships for subsequent years depending on academic performance.

**Degree: BS**

Compatible with a fifth-year, double degree with Chemical Engineering. With focus areas in:

- Business
ACTION STEPS

BSE is a Capacity-Constrained Major — learn more at:  
sefs.uw.edu/students/undergraduate/bse-major

We’d love to hear from you! Contact us with questions or to set up an appointment with our academic adviser: 
sefsadv@uw.edu | 206-543-3077

We acknowledge that we are on the land of the Coast Salish peoples, land which touches the shared waters of all tribes and bands within the Suquamish, Tulalip and Muckleshoot nations.