

Explore It!: Building the Next Generation of Sustainable Forest Bioproducts Researchers

Summer Undergraduate Research Fellowship

During the summer of 2022, the Forest Bioproducts Research Institute at the University of Maine offers an opportunity for ten highly qualified undergraduate students to participate in a ten week research experience, funded by the National Science Foundation.

June 6th through August 12th 2022

AWARD INCLUDES:

- \$5,000 stipend + room and board provided
- Travel to and from Orono, Maine
- Two students will be selected for a nine week exchange to conduct their research at the University of Concepción in Chile (travel and room and board provided)*
- One week research experience in Chile for *all* students (travel and accommodations provided)*
- Opportunity to conduct research on pressing global issues relating to sustainable product development and biofuel generation from woody biomass

Benefits and Activities

- Fundamental and Applied Forest Bioproducts Research
- Access to State-of-the-Art Research Equipment and Facilities
- Technical Writing and Oral Presentation Opportunities
- Ethics in Research Workshop
- Professional Field Trips
- Evening and Recreational Activities

Potential Research Topics

- Sustainability and Life Cycle Analysis
- Feedstock Extraction/Modification
- Process Control and Sensing
- Nanomaterials Production and Utilization
- New Product Development
- Nanotechnology Risk Assessment

Disciplines

- Forest Operations
- Material Science
- Bioenergy
- Biology
- Nanotechnology
- Bioengineering
- Chemical Engineering
- Bioproducts
- Resource Economics
- Chemistry

Eligibility

- Current undergraduate in sophomore or junior year
- US Citizen or permanent resident
- Must have a valid passport and Covid-19 vaccination
- Women, minorities and students with disabilities are encouraged to apply to the program.



COMPLETE APPLICATIONS ARE REVIEWED AS RECEIVED, UNTIL FEBRUARY 18, 2022

Contact Information

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APPLY AT www.forestbioproducts.umaine.edu/reu/