A Bioproducts and Biosystems Engineering degree with an emphasis in Bioproducts Engineering prepares graduates to develop sustainable solutions to meet the world's growing materials and energy demand.

In addition to basic science and engineering fundamentals, bioproducts engineering students learn to design and develop engineering solutions for sustainable manufacturing and end-use applications of “green” products including biofuels, bioenergy, biodegradable plastics, building materials, paper, and chemicals.

**COURSEWORK**

- Surface and Colloids Science
- Bioprocess Engineering
- Bioproducts/Reaction Engineering
- Bio-based Products Engineering Lab
- Separation Processes
- Process Control and Instrumentation
- Biopolymers and Biocomposites Engineering
- Renewable Energy Technologies

For more information, visit bbe.umn.edu, or contact Marlee Schlief at marlee@umn.edu.
CAREER OPPORTUNITIES

BBE graduates specializing in bioproducts engineering design, develop and implement process technologies and solutions for the sustainable utilization of renewable bioresources and manufacturing of biobased products, including biofuels, bioenergy, biochemicals, bioplastics, paper, building materials, biocomposites and their applications.

EMPLOYERS

• 3M
• Amec Foster Wheeler
• Anderson Corporation
• Appvion
• Boise Paper
• Cargill, Inc.
• Donaldson Company
• Ecolab, Inc.
• Georgia-Pacific
• Kerry Group
• POET
• Renewable Energy Group, Inc.
• Virent, Inc.
• WestRock
• Weyerhaeuser

POSITIONS

• Process Engineer
• Bioproducts Engineer
• Bioprocess Engineer
• Product Design Engineer
• Product Development Engineer
• Production Engineer
• Technical Sales Engineer
• Engineering Consultant
• Plant Manager