ONLINE COURSES

Curious? Find out more...

Are you interested in:
- Renewable Energy
- Renewable Resources
- Food Sustainability
- Renewable Materials
- Water Sustainability
- Recycling

Want to complete liberal education credits completely online?

The University of Minnesota’s Department of Bioproducts and Biosystems Engineering offers 8 online courses, taught by outstanding faculty.

**BBE 1002**

Biorenewable Resources
- Meets Technology & Society CLE Theme
- Fall / Spring
- Environmental, technological, social, and economic implications of the use of biorenewable, wood and agriculture-based biomass resources and products.

**BBE 2201**

Renewable Energy and the Environment
- Meets Technology & Society CLE Theme
- Fall / Spring / Summer
- Cover elements of renewable energy technologies and policies; the social, environmental, and economic effects of using renewable & non-renewable sources.
- www.bbe2201.cfans.umn.edu

**BBE 3201**

Sustainability of Food Systems: A Life Cycle Perspective
- Meets Global Perspective CLE Theme
- Fall / Spring / Summer
- Reviews the consequences and diversity of global food system; current topics in food sustainability.

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BBE.UMN.EDU
BBE 4001
Chemistry of Biomass and
Biomass Conversion to Fuel and Products
- Meets Environment CLE Theme
- Fall
- Application of chemical principles to sustainable utilization of biomass for renewable materials, chemicals, plastics, energy and other products.

BBE 4305 / 5305
Pulp and Paper Technology
- Spring
- Pulp and paper manufacturing and applications

SSM 3301
Global Water Resource Use and Sustainability
- Meets Environment CLE Theme
- Fall / Spring
- Is water a birthright? Explore the many facets of water, Earth’s most abundant resource. Examine the complexities of scarcity, water quality, and protection.

ESPM 3601
Sustainable Housing:
Community, Environment, and Technology
- Meets Technology and Society CLE Theme
- Fall / Spring
- The role of technology, environment and community on sustainable housing.

ESPM 3605 / 5605
Recycling: Extending Raw Materials
- Meets Technology and Society CLE Theme
- Spring
- Principles and practice of recycling and the impact of technology, energy and environment for sustainable material utilization

FOR MORE INFORMATION, CONTACT:
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HOW TO REGISTER:
onestop.umn.edu/academics/online-classes

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