

## Renewable Energy

Bachelor's degree students are subject to Vermont Tech's minimum degree requirements. The minimum degree requirements for the Bachelor of Science in Renewable Energy are:

- 6 credits of college English
- 12 credits of mathematics, including [MAT 1520](#) or MAT 1531, and [MAT 2021](#)
- 16 credits of lab-based science, including [PHY 1041](#), [PHY 1042](#), one CHE, and one BIO
- 12 credits of arts, humanities, and social sciences
- 9 credits of general electives
- 10 credits of engineering courses (any ARE, CET, CIS, ELM, ELT, or MEC)
- 55 credits of renewable energy core courses including or equivalent to:
  - [MEC 1010](#) Introduction to Mechanical Engineering Technology
  - [MEC 1011](#), [ARE 1011](#), or [CET 1031](#) Computer Aided Design
  - [ARE 2031](#) Environmental Systems I
  - [ARE 2032](#) Environmental Systems II
  - [ARE 3050](#), [MEC 2010](#), or [MEC 2050](#) Fundamentals of Fluids & Thermo
  - [ARE 4020](#) Engineering Management
  - [ARE 4030](#) HVAC Systems
  - [BUS 2020](#) Principals of Management
  - [BUS 3150](#) or [BUS 3250](#) Organizational Management
  - [BUS 4530](#) Technical Project Management
  - [ELT 2071](#) or [ELT 1031](#) Electrical Circuits
  - [SSC 2030](#) Energy Systems & Sustainability
  - [MEC 2150](#) Solar Photovoltaics
  - [MEC 3010](#) Windpower
  - [MEC 3040](#) Bioenergy
  - [MEC 3170](#) Renewable Heating Systems
  - [MEC 4120](#) Renewable Energy Modeling
  - [MEC 4722](#) Renewable Energy Capstone Project
  - [MEC 4802](#) MEC Internship