

ENV165 : Renewable Energy, Climate & Careers

The implications of the energy enterprise, from global to individual perspectives, are explored by investigating basic energy/electricity concepts and the effects of technologies, policies, markets, and behaviors on the Earth's climate system, the environment, and national and personal security. First principles and practical potentials of renewable energy sources and low-carbon technologies are examined, as are career pathways supporting sustainable energy solutions. Case studies and experiments reinforce basic concepts, develop analytical skills, and provide system-level understanding.

Credits 3

Prerequisites

[MAT011](#): Mathematical Reasoning and Problem Solving or [MAT025](#): Prealgebra, [ENL108](#): Critical Reading & Thinking or [ESL201](#): English for Speakers of Other Languages III: Advanced or satisfactory basic skills assessment scores

Semester Offered

Fall

Notes

Satisfies a Natural or Physical Science general education requirement.