

ENVS 321: NATURE OF SCIENCE: GOING GREEN

Project-based course explores process and nature of scientific discovery, environmental challenges and possible solutions, and the realities of making a business “green”. Topics will integrate Biology, Chemistry, Atmospheric Science and Statistics.

Course Student Learning Outcomes

1. Explain and give examples of the nature and process of how scientific discoveries are made and reported to the public.
2. Read, correctly interpret, and critically evaluate biological information in books, journals, online resources, and the popular media.
3. Explain and give examples of basic themes and concepts related to environmental issues which integrate Biology, Chemistry, Atmospheric Science and Statistics.
4. Explain and give examples of sustainability as it relates to waste management, energy, agriculture, and business in general.
5. Process information and experiences in the form of short presentations and demonstrate an ability to synthesize concepts, facts and ideas into coherent, independent work.
6. Discuss and express ideas and information, applying what they have assimilated from readings, laboratory and/or field experiences.
7. As a group (3-6 students) design and conduct a scientific exploration, interpret results, and explain findings in a logical and appropriate manner using critical thinking and problem solving skills.
8. Describe connections of the covered concepts of ecology and sustainability to their local environments possible future careers, and daily lives and to business.

Credits: 5

Prerequisites: MATH& 146 or concurrent enrollment

Program: [Environmental Science](#)