

EGY 101 - PRINCIPLES OF RENEWABLE ENERGY

Course Description

This course covers the basic principles and history of renewable energy sources. Industry and governmental perspectives on geothermal, wind, solar, biomass, fuel cells, and other energy sources are highlighted. This course is required to achieve a Level II Certificate in Renewable Energy Technology. Group 2 course.

Credit Hours

3

Contact Hours

3

Lecture Hours

3

Required Prerequisites

EGY 115, may be taken concurrently

Recommended Prerequisites or Skills

Competencies

Placement in MTH 23 or co-enrollment in the recommended developmental Math course, placement into ENG 11/111 or co-enrollment in the recommended English course.

Course Learning Outcomes

Knowledge:

- Identify renewable energy sources.
- Recite the history of renewable energy.
- Describe governmental perspectives of renewable energy.

Application:

- Show the impact of renewable energy on the economy, environment, society.
- Relate industry, government and societal viewpoints of renewable energy.

Integration:

- Debate the impact of renewable energy concepts to personal, industrial, governmental, and societal economies.
- Compare and contrast environmental relationships with renewable energy concepts.

Human Dimension:

- Develop an overall opinion of the practicality of renewable energy.
- Support the value in keeping current in educating others.

Caring - Civic Learning:

- Learn to care more about the consumption of fossil fuels.
- Recognize the pursuit of renewable energy will become a value driven commodity.

Learning How to Learn:

- Discover an interest in studying types of energy.