Sample Pathway: Sustainable Energy Systems

The driving principle of sustainable energy is sustainable development. There are many evolving technologies that promote sustainable energy sources, such as renewable energy sources and designs that promote energy efficiency. Sustainable energy use and availability can be studied in an environmental, ethical, social, and economic context. Sustainable energy is a separate area of study than renewable energy or alternative energy in that it focuses on the ability to continuously provide energy in an environmentally secure manner.

Experiential exploration in chosen focus.

- **EXPERIENCE 1**
  Volunteer with NC GreenPower

- **EXPERIENCE 2**
  Duke Engage in Jordan, focus on energy independence

- **GATEWAY**
  ENVIRON 245: Sustainability Theory and Practice

- **ELECTIVE 1**
  ENVIRON 425L: Energy and Environment Design

- **ELECTIVE 2**
  PUBPOL 583S: Economic Analysis of Energy Issues

- **CAPSTONE**
  Sustainability Engagement Seminar

Interaction of environment, economics, & society; best practices for engagement activities.

Academic exploration in chosen focus, incorporating all three dimensions of sustainability.

Integration of learning experiences into meaningful project.

E-Portfolio

- One experience must exceed 300 hours while the other must exceed 150 hours. Experiences can be done in any order.
- The capstone course cannot be taken until at least one experience, the gateway course, and two electives are completed. One experience may be completed concurrently with the capstone.

http://sites.nicholas.duke.edu/sustainabilitycert/