

FORM FOR REQUEST FOR CHANGE IN UNDERGRADUATE PROGRAM
Additional Information on CCS Forms

1. Effective Date: Elist F04, PremajF05

2. Program Competencies:
Present

Demonstrate an awareness of pollution impacts on human health and the environment.

- Observe laboratory safety guidelines.
- Demonstrate proper handling of laboratory equipment and supplies.
- Identify sources, sinks, effects, and treatment options for various environmental pollutants.
- Perform sampling and analysis of air, water, and soil samples according to standard operating procedures and quality assurance/quality control methods.
- Collect, analyze, and interpret environmental data.
- Present data in oral and written formats when appropriate.
- Describe major processes in the hydrologic cycle and relate those processes to the fate and transport of chemicals in terrestrial and aquatic ecosystems.
- Demonstrate knowledge of developing environmental issues and technologies.
- Locate, access, and properly use sources of information pertinent to environmentally related topics.
- Describe the general responsibilities that the regulated community has in complying with major environmental laws and regulations.
- Explain the structure and function of government agencies relevant to the environmental regulatory process.

Proposed
No Change

3. Description for LCC Catalog:

Present

EST PROGRAM:

This program includes specialized environmental science courses in addition to general education coursework to provide individuals the background necessary for understanding the ecological relationships of the environment. Coursework also emphasizes the application of scientific principles to pollution control problems in accordance with state and federal regulations. Practical lab and field experience in sampling and analysis will be stressed. Emphasis is placed on developing the student's ability to function effectively in a variety of job situations. Graduates of this program will be prepared to sample and analyze air, water, and soil in accordance with state and federal regulations. Environmental technicians may be responsible for such job duties as air pollution surveillance, analysis of water and wastewater samples, ground water and surface water assessment, field sampling, data interpretation, and other support services to engineering and science

professionals. Graduates in this field may be employed as technicians by federal, state, and local government units as well as utilities, private industry, and environmental engineering consulting firms.

Proposed

No Change

4. Summary of How the Proposed Changes Will Result in Changes in the Level or Source of Funding:

No changes