



**Associate of Applied Science
ENVIRONMENTAL SCIENCE**

This program is designed to provide the technical skills which will enable you to competently gather, record, and analyze critical environmental data and perform simple health risk assessment evaluations.

GENERAL EDUCATION (29 hrs)

Communications (9 hrs)

ENG 111 English Composition I (3)

Pre-requisite: ENG 109 or adequate score on the Course Placement Evaluation

ENG 116 Technical Writing (3)

Pre-requisite: ENG 111

SPCH 130 Public Speaking (3)

Pre-requisite: ENG 109 or adequate score on the Course Placement Evaluation

Mathematics/Lab Sciences (14 hrs)

BIOL 203/L Ecology and Evolution (4)

Pre-requisite: BIOL 202 and MATH 130; co-requisite: BIOL 203L

ES 112/L Environmental Science (4)

Co-requisite: ES 121L

MATH 145 Introduction to Probability and Statistics (3)

Pre-requisite: MATH 130 or adequate score on the Course Placement Evaluation

MATH 150 College Algebra (3)

Pre-requisite: MATH 130 or adequate score on the Course Placement Evaluation

Social/Behavioral Sciences (3 hrs)

SOC 211 Small Group Communications Studies (3)

Pre-requisite: ENG 109 or adequate score on the Course Placement Evaluation

Humanities (3 hrs)

PHIL 220 Ethics (3)

Pre-requisite: ENG 109 or adequate score on the Course Placement Evaluation

HEALTH, PHYSICAL EDUCATION & RECREATION (1 HR)

Elective (1) _____

PROGRAM REQUIREMENTS (39 hrs)

BIOL 210/L Microbiology (4)

Pre-requisite: CHEM 110/L, Co-requisite: BIOL 210L

CHEM 121/L General Chemistry I (4)

Pre-requisite: MATH 130 or adequate score on the Course Placement Evaluation

Co-requisite CHEM 121L

CHEM 210/L Integrated Organic & Biochemistry with Lab (4)

ES 121 Environmental Air Monitoring (3)

ES 125 Principles of Physical Hydrology (3)

ES 203 Introduction to GIS/GPS (3)

ES 236 Environmental Sampling and Instrumentation (3)

ES 238 Environmental Law and Regulations (3)

RAD 234/L Introduction to Radiation Science and Technology (4)

RAD 238/L Introduction to Radiation Science Protection (4)

CHEM 122/L General Chemistry II (4)

Pre-requisite CHEM 121/L, Co-requisite: CHEM 122L

ES 201/L Environmental Physical & Chemical Processes (4)

Pre-requisites: BIOL 201/L and CHEM 121/L, co-requisite: ES 210L

Choose one of the following:

ES 201/L Environmental Physical and Chemical Processes with lab (4)

or

CHEM 122/L General Chemistray II with lab (4)

Pre-requisite: CHEM 121/L

**COMPLETED Planned Timeline
(By Semester)**

TOTAL CREDIT HOURS 69

Educational Planning Form (Semester)

Name _____ Date _____

Major _____ Student ID _____

| Fall Semester | Spring Semester | Summer |
|----------------------|------------------------|--------------------|
| | | |
| Total Units | Total Units | Total Units |
| Fall Semester | Spring Semester | Summer |
| | | |
| Total Units | Total Units | Total Units |
| Fall Semester | Spring Semester | Summer |
| | | |
| Total Units | Total Units | Total Units |