

YOUR PATHWAY TO A CAREER IN

Environmental/Petrochemical Lab Technology

An in-demand Coastal Bend Career



High School Endorsement: *Business & Industry*

Do you like finding solutions to challenging problems, working in an industry environment, using science skills?

Learn to be a chemical, geological, or petroleum lab technician, power or water plant operator, or a safety inspector.

Get paid from \$17.87 to \$59.18 per hour, depending on education and experience.*

*Workforce Solutions of the Coastal Bend Targeted Occupations List 2018-19



Consult your local college or university advisor or websites for specific degree plans.

Level II Certificate - Environmental/Petrochemical Lab Technology: Environmental Technician 35 Hours

Courses you will need:

- General Inorganic Chemistry I
- Biological Concepts I: Cellular & Molecular
- Physical Geology
- Physical Geology Laboratory
- College Algebra
- Composition I
- Environmental Regulations Overview
- Basic Wastewater Operations
- Integrated Software Applications I
- Hazardous Waste Operations Environmental Sampling and Analysis Internship - Environmental Engineering Tech.

Bold = Core

- CHEM 1411**
- BIOL 1406**
- GEOL 1303**
- GEOL 1103**
- MATH 1314**
- ENGL 1301**
- EPCT 1305
- EPCT 1328
- ITSC 1309
- EPCT 1401
- EPCT 1344
- EPCT 2188

Associate in Applied Science Degree - Environmental/Petrochemical Lab Technology: Environmental Technician 67 Total Hours

Use the courses listed above, plus the following:

- Principles of Industrial Hygiene
- Technical and Business Writing
- General Inorganic Chemistry II
- Applied Analytical Chemistry I
- Industrial Hygiene Applications
- Texas Government
- Communication Core
- Introduction to Ethics
- Applied Organic Chemistry I
- Hazardous Waste Management

Bold = Core

- EPCT 1341
- ENGL 2311**
- CHEM 1412**
- SCIT 1443
- EPCT 2331
- GOVT 2306**
- SPCH 1321**
- PHIL 2306**
- SCIT 2401
- EPCT 1272

Bachelor of Applied Science Degree Environmental and Occupational Safety

Use the courses above, plus the following:

- U.S. History I
- U.S. History II
- Art and Society
- U. S. Government
- Psychology
- Special Topics
- Crisis Communication
- Professional Skills
- Environmental Regulations
- Hazardous Waste Operations
- Introduction to Public Administration
- Environmental Chemistry
- Internship in Environmental Science
- Upper Level Electives

120 Total Hours

Bold = Core

- HIST 1301**
- HIST 1302**
- ARTS 1301**
- POLS 2305**
- PSYC 2301**
- ESCI 4490
- COMM 4335
- ESCI 3202
- ESCI 4301
- ESCI 4370
- POLS 3341
- CHEM 4443
- ESCI 4498
- 14 Hours