

Geologic Mapping - ArcGIS in the Petroleum Industry - Upon completion of this course students will be able to operate, classify and navigate through various ArcGIS mapping projects. Moreover, they will have been exposed to techniques used in creating, editing, analyzing and displaying shapefiles containing land, well and geological data as they apply to the oil and gas industry.

Level 300 (1 Economics and 1 Mapping module required for certification)

Oil & Natural Gas Economics - PHDWin - Students will learn the basics of oil and natural gas economics and reserves estimation. Specifically, they will utilize PHDWin tools to integrate production decline curve, pressure and volumetric data to generate reserves and economic reports.

Oil & Natural Gas Economics - PowerTools - Students will learn the basics of oil and natural gas economics and reserves estimation and integrate production decline curve, pressure and volumetric data to generate reserves and economic reports.

Oil & Natural Gas Economics - ARIES - Students will learn the basics of oil and natural gas economics and reserves estimation. Specifically, they will utilize ARIES tools to integrate production decline curve, pressure, and volumetric data to generate reserves and economic reports.

Geological Mapping - Geographix - After completion of the course, students will be able to create a project, import grid, culture, well and production data as well as raster and digital log data. They will be familiar with the creation of basemaps, structure maps, isopach maps, production maps and geologic cross-sections.

Geologic Mapping - PETRA - After completion of the course, students will be able to create a project, import grid, culture, well and production data as well as raster and digital log data. They will be familiar with the creation of basemaps, structure maps, isopach maps, production maps and geologic cross-sections.

Level 400 (required for certification)

Résumé Writing & Interviewing - After completion of this two-night course, students will have fine-tuned résumé writing and interviewing skills. Students will work on their résumés during class.

For more information:
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PetroTech Program

PetroTech is a focused technical training program for individuals interested in acquiring the knowledge and certification necessary to pursue a career in Oklahoma's oil and natural gas industry. This certification can assist individuals in obtaining a position as a Geological, Engineering or Land Technician.

The PetroTech program is also a valuable training for individuals currently employed in the oil and natural gas industry who are looking to hone their skills, build their résumé and/or seek promotions within their company.

Students will learn valuable applications in these core modules:

- Well & Production Data Management
- Land & Lease Records
- Mud Logging & Electric Logging
- Oil and Natural Gas Economics
- Geological Mapping

Program Features

- Courses are taught by instructors with significant industry experience
- 12 modules are required for a PetroTech certification
- Evening classes from 6-9pm are perfect for working professionals
- Classes vary in length from four to six weeks
- Students can complete the PetroTech program in as little as 8-10 months
- Course schedules and registration are conveniently available through OERB.com

Fees

- Each course ranges in cost from \$45-\$300 per module.
- The complete certification average cost is \$2,000-\$2,500.
- Scholarships are currently available on a limited basis. Please see program application for details.

Requirements & Application

- Potential applicants who are not currently in the oil and natural gas industry must submit an official high school diploma, GED equivalent or college transcript.
- Once accepted, students will be contacted by their participating campus and will be required to take and pass an online Windows Fundamentals test.
- The PetroTech application can be found on oerb.com/careers.

PetroTech Modules

**For certification, each level is a prerequisite for the following level.*

Level 100 (all required for certification)

Introduction to the Oil & Natural Gas Industry - After taking this course, students will have a general understanding of the basic geologic and engineering concepts utilized in the exploration and production of oil and natural gas.

Petroleum Business Applications - EXCEL Level 1-3 - Students will learn to work with worksheet data; edit, copy, move and delete data; format and print worksheets; create formulas and use numeric formats.

Petroleum Business Applications - ACCESS Level 1-3 - Students will learn to create, work with and edit tables, set field properties, use find and filter, print data, create relationships using simple queries, modify query results and analyze tables.

Level 200 (all required for certification)

Introduction to Oil & Natural Gas Economics - After taking this course, students should have a general understanding of basic engineering and economic concepts utilized in the exploration and production of oil and natural gas. Students should understand the uses of economics to value oil and natural gas assets, the importance of economic estimates in the exploration, drilling, and re-completion of wells as well as reserve reporting practices currently used in the oil and natural gas industry.

Well & Production Data Management - Students will have a good understanding of the terminology and abbreviations commonly utilized in the oil and natural gas industry and will also utilize common industry databases to build and run queries, as well as generate reports, graphs and basic wellbore schematics.

Mud Logging - This course will provide an overview of the drilling operation and more specifically the drilling mud system. Students will be introduced to the various methods and techniques by which mud logging data are collected, interpreted and incorporated into the final mud log.

Electric Logging - This course will provide a broad overview of the various log types, how they work and how the data from each is utilized in the oil and natural gas industry. Additionally, students will utilize specific software utilities to generate common displays for use by oil and natural gas professionals.

Land & Lease Records - After taking this course, students will have a general understanding of the landman's role in the oil and natural gas industry, beginning with the acquisition of an oil and natural gas lease and continuing through to the disbursement of well revenues resulting from the drilling of the well on the oil and natural gas lease.