

PetroTech Classes

*Each level must be completed before moving on to the next level.

Level 100 Classes (all required, unless otherwise indicated)

Introduction to the Oil and Natural Gas Industry (12 hours) \$180 - 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 - Microsoft Excel Level 1-3 \$135 per level - 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 - Microsoft Access Level 1-3 \$135 per level - 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 Classes (all required, unless otherwise indicated)

Introduction to Oil & Natural Gas Economics (6 hours) \$90 - 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. **PREREQUISITE: LEVEL 100 CLASSES**

Well & Production Data Management (12 hours) \$180 - 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. **PREREQUISITE: LEVEL 100 CLASSES**

Mud Logging (3 hours) \$60 - 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. **PREREQUISITE: LEVEL 100 CLASSES**

Electric Logging (9 hours) \$135 - 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. **PREREQUISITE: LEVEL 100 CLASSES**

Land & Lease Management (15 hours) \$225 - After taking this course, students will have a general understanding of the interrelated roles of the Land Broker, Landman, Land Tech, Lease and Title Analyst and Division Order Analyst in the oil and gas industry, beginning with the acquisition of oil and gas leases and continuing through the drilling of a well and the disbursement of oil and gas revenues. **PREREQUISITE: LEVEL 100 CLASSES**

ArcGIS in the Petroleum Industry (21 hours) \$315 - 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. **PREREQUISITE: LEVELS 100 CLASSES**

Industry Excel Practices (6 hours) \$90

This instructor led course that will enable the user to implement practical applications of Excel skills with data familiar to the oil and natural gas industry using the PetroTech Real World Excel workbook. **PREREQUISITE: LEVELS 100 CLASSES**

Industry Access Practices (6 hours) \$90

This instructor led course that will enable the user to implement practical applications of Access skills with data familiar to the oil and natural gas industry using the PetroTech Real World Access workbook. **PREREQUISITE: LEVELS 100 CLASSES**

Level 200 Classes (1 Data Analytics required)

Power BI (15 hours) \$270

This course will cover the foundations of data preparation, visualization and analysis and provide hands-on training using Microsoft PowerBI Desktop. It will also discuss the theory behind selecting data visualizations and demonstrate how and when to use them, using oil and gas specific use cases in Microsoft PowerBI. Finally, it will provide an overview of the capabilities of Microsoft PowerBI Pro (Web) and Microsoft PowerBI Mobile.

PREREQUISITE: LEVELS 100 CLASSES & INDUSTRY EXCEL PRACTICES

Spotfire (7 hours) \$125 *virtual

This hands-on course will introduce TIBCO Spotfire features relevant for oil and gas professionals. Participants will learn the fundamentals of importing data, creating visualizations, calculating custom properties, and exporting results by building a simple production database and interactive bubble map of the Niobrara Formation in the DJ Basin. By the end of the course, participants will be able to create: (1) Rate-Time and Cum-Time bar, scatter, and line charts; (2) summary tables by well, operator, township, and county; (3) IP and Cum Volume bubble maps with GOR indicators; and (5) rules-of-thumb for exporting quick, readable visualizations for Microsoft PowerPoint. **PREREQUISITE: LEVELS 100 CLASSES & INDUSTRY EXCEL PRACTICES**

Level 300 Classes (1 Economics and 1 Mapping required)

Oil & Natural Gas Economics - PHDWin Overview (9 hours) \$135 - 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.

PREREQUISITE: LEVELS 100 and 200 CLASSES

Oil & Natural Gas Economics - PowerTools (15 hours) \$225 - 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. **PREREQUISITE: LEVELS 100 and 200 CLASSES**

Oil & Natural Gas Economics - ARIES Introduction (15 hours) \$225- 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.

PREREQUISITE: LEVELS 100 and 200 CLASSES

Geological Mapping - Geographix Fundamentals (18 hours) \$270 - 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. **PREREQUISITE: LEVELS 100 and 200 CLASSES**

Geologic Mapping - PETRA Essentials (18 hours) \$270 - 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. ***PREREQUISITE: LEVELS 100 and 200 CLASSES***

Level 400 Classes (required)

Résumé Writing & Interviewing (6 hours) \$90 - 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. ***PREREQUISITE: LEVELS 100, 200 and 300 CLASSES***