



# Petroleum Engineering Certificate Series

## Fast Track Training Advancing Careers in Energy

The academic leads behind one of the best Petroleum Engineering programs in the world (ranked 9th in the World according to 2021 QS World University Rankings by Subject) have designed three certificate programs that will fast track training for those looking to advance their engineering careers in the energy sector.

The Petroleum Engineering Certificates are designed for the working professional seeking an expanded career in the petroleum energy sector. Each certificate includes three, four-week courses and a seminar series, delivered online or in-person on weekends so you can work while you learn.

The Respectful Land Use series (three, one-hour seminars) will help you develop a foundational appreciation of, and respect for, land use in relation to treaty and/or land agreements with Indigenous nations. This seminar series is taken once and is credited to future certificates.

*“This is a place that uncovers the unknown. Where ideas take the stage and possibility runs the show. We train people to embrace curiosity, providing state-of-the-art facilities, award-winning faculty and incomparable support.”*

### ENGINEERING AT ALBERTA

The Faculty of Engineering at the University of Alberta is a leading educational innovator and one of the top five engineering schools in Canada. Its nine programs are accredited by the Canadian Engineering Accreditation Board (CEAB) and consists of four departments and an additional department (Biomedical Engineering) jointly administered with the Faculty of Medicine and Dentistry. Currently, it has more than 200 faculty members, 4,500 undergraduate students and 1,600 graduate students.

*Each certificate offers approximately 100 hours of Continuing Professional Development (CPD) requirements as defined by APEGA.*



**1**

## **SUBSURFACE RESOURCE CHARACTERIZATION CERTIFICATE**

This certificate program is designed for the technical specialist to gain the necessary skills for reservoir characterization in the lab or in the production setting. Courses include: Rock and Fluid Properties, Well Logging and Formation Evaluation, and Applied Reservoir Engineering.



**2**

## **OIL AND GAS WELL CONSTRUCTION AND PRODUCTION TECHNOLOGIES CERTIFICATE**

This certificate is for technical personnel working in research or technical labs, as well as within drilling, well completion, and production departments both in design and field application phases of operations work. It includes three courses: Applied Drilling Engineering, Applied Well Completion and Stimulation Technologies, Applied Production Engineering.



**3**

## **IMPROVED OIL RECOVERY TECHNOLOGIES CERTIFICATE**

If you work in the design and field implementation phases or thermal recovery operations of enhanced oil recovery for conventional and unconventional (tight gas/oil, shale gas/oil) reservoirs this may be the program for you. The three courses that make up this certificate are: Enhanced Oil Recovery Technologies, Thermal Recovery Methods, and Unconventional Oil and Gas Recovery Techniques.



## **THE RESPECTFUL LAND USE SERIES**

This seminar series (three, one-hour seminars), taken once and credited to all certificates, will help you develop a foundational appreciation of, and respect for, land use in relation to treaty and/or land agreements with Indigenous nations.