

PETROLEUM ENGINEERING CERTIFICATE

Overview

The oil and gas industry is a multidisciplinary field that use engineering and science to extract and enhance hydrocarbon recovery through innovative and cost effective strategies to provide energy across the world. One of the largest shale plays is the Eagle Ford, which is located in South Texas, gives TAMIU a unique geographical location to provide the necessary education and research to support the local community job opportunities in the oil and gas industry.

The objective of the Petroleum Engineering Certificate is to provide students with the necessary background in petroleum engineering fundamentals to pursue career in the oil and gas industry. The certificate provides the fundamental knowledge in the main areas of petroleum engineering, which includes reservoir petrophysics, reservoir engineering, drilling and production engineering.

Admission Criteria

The Petroleum Engineering Certificate follows TAMIU regulations. Students interested in pursuing a certificate in Petroleum Engineering should register with the School of Engineering and meet with one of the petroleum engineering faculty. The general admission criteria are:

- Engineering background with the required engineering course prerequisites.
- Be in academic good standing with minimum GPA of 2.5.

Certificate Criteria

To earn the certificate, candidate must:

- Successfully complete the minimum required courses.
- Earn a grade of C or higher in all required courses.

Code	Title	Semester Credit Hours
Required Courses		
PETE 3301 & PETE 3101	Drilling Engineering I and Drilling Engineering I Lab	
PETE 3311 & PETE 3111	Formation Evaluation and Formation Evaluation Lab	
PETE 3320 & PETE 3120	Petroleum Production Eng I and Petroleum Production Eng I Lab	
PETE 4312	Reservoir Engineering II	
Total Semester Credit Hours		15