

PETROLEUM ENGINEERING & TECHNOLOGY B-TECH PROGRAM

4 YEARS

APPLY NOW



Recognized by:
Higher Education Commission



B-TECH IN PETROLEUM ENGINEERING TECHNOLOGY

CORE OBJECTIVE

The core objective of the B.Tech in Petroleum Engineering Technology program is to provide students with a comprehensive understanding of petroleum engineering principles and applications. The program aims to equip students with the necessary knowledge and skills to excel in the petroleum industry and contribute effectively to the exploration, production, and management of petroleum resources.

COURSE STRUCTURE

The program is structured to provide a holistic education in petroleum engineering technology. It covers a variety of subjects that are essential for success in the field.

DETAILED CONTENTS SEMESTER WISE

The curriculum is divided into multiple semesters, each covering specific subjects. These subjects include but are not limited to:

- Introduction to Petroleum Engineering
- Reservoir Engineering
- Drilling Engineering
- Production Engineering
- Formation Evaluation
- Well Testing and Analysis
- Petrophysics
- Enhanced Oil Recovery Techniques
- Health, Safety, and Environmental Practices in Petroleum Industry
- Project Management in Petroleum Engineering
- Offshore and Subsea Engineering
- Refinery Operations and Management
- Natural Gas Engineering
- Geology and Geophysics for Petroleum Engineers



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Recognized by:

Higher Education Commission of Pakistan

The **BRAINS** Institute Peshawar as a degree awarding institute recognized by HEC .

Govt: of Khyber Pakhtunkhwa



CAREER PATH

Graduates of the B.Tech in Petroleum Engineering Technology program can pursue diverse career opportunities in the petroleum and energy sector, including roles such as:

- **Petroleum Engineer**
- **Drilling Engineer**
- **Production Engineer**
- **Reservoir Engineer**
- **Well Testing Engineer**
- **Petrophysicist**
- **Operations Engineer**
- **HSE Specialist in Petroleum Industry**
- **Project Manager in Oil and Gas Projects**

ADMISSION ELIGIBILITY

Candidates seeking admission to the B.Tech in Petroleum Engineering Technology program usually require a relevant diploma or intermediate education in engineering or related fields. Specific admission criteria may vary based on the institution offering the program.

EXAMS AND CLASSES

Students are expected to take regular exams and assessments to evaluate their understanding of the course materials. The assessments may include written exams, practical tests, and project evaluations. The program also includes lectures, lab sessions, and practical classes to enhance learning and provide hands-on experience in petroleum engineering technology.

CREDIT HOURS

The program typically comprises a total of around 130 to 150 credit hours, distributed over the duration of the program.

AWARD OF DEGREE

A minimum of 140 credit hours is required to be awarded

LAPTOP SCHEME

BRAINS is set to offer prospective students the opportunity to acquire laptops through an easy installment plan, facilitated by bank financing.

SCHOLARSHIP OFFERED BY

- Worker welfare Board
- KP Education foundation
- BRAINS'S Merit and Need Based Scholarship

FEE

BS Degree	Eligibility	Credit Hours	Admission fee	Semester Fee	Total Fee
B.Tech/BS Technology Petroleum	FA/FSc or Equivalent with 50% Marks	140	10000	45000	55000