UNDERGRADUATE PROGRAMME

CIVIL ENGINEERING

JPT/BPP(R2/526/6/0089)02/27

UNIVERSITI TEKNOLOGI PETRONAS

What is Civil Engineering?

Civil engineering is a field of study related to the design, construction and maintenance of all buildings and infrastructure in the built environment whilst maintaining its sustainability.

Civil engineering is broken down into many sub-disciplines that span across the modern world:

- Structural and Construction Engineering
- Environmental and Water Resource Engineering
- Urban and Transport Engineering
- Offshore and Coastal Engineering

What does a Civil Engineer do?

Civil engineers are responsible for the creation of all buildings and infrastructure including the most iconic skyscrapers, the longest spanned bridges in the world - the deepest subway systems, the longest oil pipelines, the strongest offshore oil rigs, the tallest hydroelectric dams and the biggest airport in the world.

They are involved in the most iconic mega projects such as PETRONAS Twin Towers, Burj Khalifa in Dubai UAE, Daxing Beijing International Airport China and Golden Gate Bridge in San Francisco USA.

Civil Engineers made this building structure possible.

WHY STUDY CIVIL ENGINEERING AT UTP?

1. Comprehensively designed programme with strong inputs from industry experts
2. Students can choose specialisations that are in demand by the industry during their final year of study
3. World-class teaching and learning, research capabilities as well as state-of-the-art labs and facilities
4. Strong partnership with multinational companies such as PETRONAS, Sunway Construction, MRT Corporation, Gamuda, Muhibbah Engineering, Sapura Energy, Shell, ExxonMobil and Technip
5. UTP graduates are highly sought after by oil and gas industry, with 90% being employed within 6 months after graduation
6. More than 70% of UTP alumni are currently working in oil and gas industry
7. The academic staff are highly qualified and experienced, and a high percentage of them are chartered and professional engineers. Thus, undergraduate students can benefit greatly from their knowledge and expertise
8. The programme is accredited by the Engineering Accreditation Council (EAC) which is recognised by all countries under the Washington Accord signatories

TOP 200 2022
Engineering Civil Structural
QS WORLD UNIVERSITY RANKINGS
BY SUBJECT

WHAT AM I GOING TO LEARN?

National / University
- Management, Social Sciences and Humanities
- Introduction to Oil and Gas
- Scientific Inquiry
- Co-Curriculum

Common Engineering
- Engineering Mathematics
- Engineering Economics
- Health, Safety and Environment
- Data Analytics
- Engineers in Society

Core Discipline by Programme
- Structures, Materials and Construction
- Water
- Geotech, Geoinformatics and Highway
- Environment
- Offshore

Specialisation
- Offshore Engineering
- Coastal Engineering
- Building Construction and Repair
- Environmental Engineering
- Geotechnical Infrastructure Engineering

Project Based
- Engineering Team Project
- 7 months Structured Industrial Internship Programme
- Community Engagement Project
- Final Year Research Project
- Capstone Project

Minor (Optional)
- Entrepreneurship
- International Relations
- Project Management
- Big Data Analytics

CERTIFICATION PROGRAMME:

Building Information Modelling (BIM) in Construction. Awarded by **MyBIM**

HOW MUCH DOES IT COST?

Category	Malaysian	International
Duration	4 years	
Registration (new students only)	RM1,300	RM11,000
Estimated Tuition Fees	RM84,000	RM101,000
Accommodation	RM8,200	RM8,200
Total	RM93,500	RM120,200

Contact

Assoc. Prof. Dr Bashar S Mohammed
Chair, Civil & Environmental Engineering Department

Email bashar.mohammed@utp.edu.my

For further details, visit www.utp.edu.my and click ASK UTP for enquiries.

UTPOfficial