Diploma in Civil Engineering

(R3/526/4/0008) (A6750) 07/2026

The goal of this programme is to develop proactive technicians with the technical know-how and ability to solve problems that arise in a complex and fast changing technical environment. Comprehensive lectures, tutorials, assignments, projects, laboratory work, and a four-month industrial attachment are all important components of this programme. Our goal is to teach students how to develop cost-effective and environmentally sustainable engineering structures.

BENEFITS

The program is not scratching the surface of civil engineering. With in depth problems solving and knowledge in civil engineering the graduate sits perfectly as a junior engineer. With hands-on laboratories graduate competent to be a technician with broad and well in depth knowledge in civil engineering. Upon completion graduate able to prove their competency and skills for industrial jobs. Graduate with diploma holder can work in government and private companies.

CAREER PROSPECTS

- Assistant Engineer/ Technician
- Infrastructure and Building Work
- Infrastructure and Building Maintenance
- Contractor

ENTRY REQUIREMENTS

SPM: Minimum 3 credits including Mathematics & Pass in English
STPM: Pass in Mathematics & English

CERTIFICATE IN ENGINEERING/ ENGINEERING TECHNOLOGY/ RECOGNISED VOCATIONAL AND TECHNICAL / SKILLS CERTIFICATE: Minimum of 1 year of relevant work experience or 1 semester of a bridging programme

For International Students
IELTS: Minimum 5.0

Duration of study
2.5 years

Credit Hours
90

SUBJECTS OFFERED

YEAR 1

- Academic English 1
- Academic English 2
- Professional Communications
- Badminton Club (Co-Curriculum)
- Academic English 3
- Basic Entrepreneurship/ Bahasa Kebangsaan A
- Pengajian Malaysia 2/ Bahasa Melayu Komunikasi 1
- Building Technology
- Foundation Mathematics
- Engineering Drawing
- Survey Measurement
- Engineering Science 1

YEAR 2

- Strength of Materials
- Engineering Mathematics
- Geo-Technical Engineering 1
- Fluid Mechanics
- Computer Aided Design
- Construction Materials
- Building Organization
- Structural Analysis
- Highway and Traffic Engineering
- Geo-Technical Engineering 2
- Material and Structural Engineering Laboratory
- Highway and Geotechnical Engineering Laboratory

YEAR 3

- Water/Sanitation Engineering
- Reinforced Concrete Design
- Hydraulics and Hydrology
- Structural Steel Design
- Environmental and Hydraulic Engineering Laboratory
- Project
- Estimating and Costing
- Industrial Training