

FACULTY OF CIVIL ENGINEERING

UNDERGRADUATE PROGRAMMES



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UNIVERSITI
TEKNOLOGI
MARA

Faculty of Civil Engineering

has been established since 1967, initially under the purview of the School of Engineering. The first group of students graduated with the Advanced Diploma in Civil Engineering, a degree recognised by the Public Service Department, Malaysia. In July 1974, a two-tier system was introduced, giving students the option to enrol into a Diploma programme before continuing to a degree programme. With subsequent development and expansion, the school was restructured into three engineering faculties in 1996, giving the faculty its present form of the Faculty of Civil Engineering. Since then, the faculty has been offering both undergraduate and postgraduate programmes to fulfill the aspiration of the nation, the industry needs and in the effort of producing knowledgeable graduates. Currently the faculty have programmes conducted at UiTM Shah Alam, UiTM Pasir Gudang, UiTM Pahang, UiTM Sarawak and UiTM Pulau Pinang.

CIVIL ENGINEERING IS A CHALLENGING PROFESSION THAT DEALS WITH THE TECHNIQUES AND PROCEDURES BY WHICH TALL BUILDINGS, AIRPORTS, PORTS, BRIDGES, DAMS AND RESERVOIRS, WATER SUPPLY AND SEWAGE DISPOSAL SYSTEMS, TRANSPORT SYSTEMS AND OTHER STRUCTURES ARE DESIGNED, SURVEYED, BUILT AND MAINTAINED. A CIVIL ENGINEER SHOULD BE EQUIPPED WITH THE KNOWLEDGE AND KNOW-HOW OF MANAGING PROJECTS EFFECTIVELY IN A SAFE ENVIRONMENT.



There are four Centres of Studies in the faculty:

- i. Structures and Materials (StrucM)
- ii. Geotechnical and Transportation Engineering (GeoTrEn)
- iii. Water Resources and Environmental Systems (WRES)
- iv. Construction Business & Project Management (CBPM)



UNDERGRADUATE PROGRAMMES

DEGREE

EC 220 Bachelor of Engineering (Hons.) (Civil)

EC 221 Bachelor of Engineering (Hons) Civil (Infrastructure)

DIPLOMA

EC 110 Diploma in Civil Engineering

BACHELOR OF ENGINEERING (HONS.) CIVIL

BACHELOR OF ENGINEERING (HONS.) CIVIL (INFRASTRUCTURE)

This programme covers the engineering foundation of analysis, design, problem-solving and decision-making encompassing areas in structure, transport, construction, geotechnique, water resources and environment. The concepts and principals taught in lectures and tutorials are applied within integrated design projects. The faculty's laboratories are equipped with scientific equipment, instruments and software to assist students in undertaking their practical and experimental work. The involvement of practicing engineers is incorporated to keep abreast with the real life experience of professional engineers. Other activities such as academic visits and industrial training (local and abroad) are also carried out to enhance the intellectual, organizational, communication and teamwork skills of the students. Graduates will be able to register as Graduate Engineers with the Board of Engineers Malaysia (BEM) and the Institution of Engineers, Malaysia (IEM). The curriculum is also designed to enable graduates to gain entry to a postgraduate programme at local and overseas universities. This degree is recognised by the Public Services Department of Malaysia and the Engineering Accreditation Council (EAC).

BACHELOR OF ENGINEERING (HONS.) CIVIL

BACHELOR OF ENGINEERING (HONS.) CIVIL (INFRASTRUCTURE)

CAREER OPPORTUNITIES

Graduates from the programme have the opportunity to work as civil engineers who are involved in developing infrastructure and buildings within a sustainable environment that improves the quality of life of mankind. Graduates will also be able to work as civil engineers in consulting firms, construction companies and government agencies. Employment in research, teaching and sales are other possible options of equal importance.

PROGRAMME DURATION

Full-time : 8 semesters

Part-time: 10 semesters

ENTRY REQUIREMENTS

A pass in SPM or other equivalent qualification recognised by the Malaysian Government with a minimum of five (5) credits including Mathematics, Physics, Additional Mathematics, Chemistry Biology / Additional Science / Civil Engineering Studies / Engineering Technology/ Engineering Drawing /Information Technology/ Design/ Construction Materials / Construction Technology, Bahasa Melayu and a minimum of grade C in English.

AND

A pass in STPM with a minimum CGPA of 2.75 and achieving a minimum of grade B- in any two (2) subjects (Mathematics /Further Mathematics, Physics and Chemistry/ Biology),

OR

A pass in Matriculation Programmes from the Ministry of Education, Malaysia or equivalent Foundation Programme recognized by the Malaysian Government with a CGPA of 2.75 and achieving minimum of grade B- in any two (2) subjects and C in the other (Mathematics / Engineering Mathematics / Physics/Engineering Physics / and Chemistry /Engineering Chemistry).

OR

A pass in Diploma in Civil Engineering, or in a relevant field from UiTM with a minimum CGPA of 2.50.

OR

A pass in Diploma in Civil Engineering, or in a relevant field from other institution recognized by Malaysian Government with a minimum CGPA of 3.00.

OR

Diploma in Civil Engineering from UiTM with a CGPA below 2.50 with at least one (1) year working experience in related fields and a pass in IEM Exam (part 1).

AND

MUET with minimum of Band 2.

