

Bachelor of Civil Engineering with Honours

(R/526/6/0110) (MQA/FA 4698) 09/2027

Learners are exposed to courses in computer aided design, surveying, environmental engineering, geotechnical engineering, structural engineering, highway & traffic engineering, construction project & management, steel & concrete design water & wastewater engineering.

BENEFITS

The Engineering Accreditation Council (EAC) Malaysia has granted accreditation to the Civil Engineering Program. This is a sign of institutional excellence and quality assurance. The student may rest certain that the university has met worldwide engineering qualification standards. Prior to working as

an engineer, a civil engineering graduate should register as a graduate engineer with the Board of Engineers Malaysia after graduation. Graduates can pursue careers in geotechnical engineering, water resources and the environment, highway and traffic engineering, concrete and structure, bridges and foundations, and engineering management.

CAREER PROSPECTS

- Q&C Engineer
- Environmental Engineer
- Project Engineer
- Project Manager
- Material Engineer
- Consultant

ENTRY REQUIREMENTS

STPM: Minimum Grade C (NGMP 2.00) including Mathematics & Physical Science
A-Level: Minimum 3 subjects including Mathematics & Physical Science

Diploma: Minimum PNGK 2.00 (Level 4, KKM)

Matriculation/Foundation: Minimum PNGK 2.00

UEC: Grade B in 5 subjects (credits in Mathematics or one Science)

Ontario Secondary School Diploma/ Canadian Pre-U:

Minimum 6 subjects including Mathematics & Physical Science

SAM & ATAR: Including Mathematics & Physical Science

For International Students

IELTS: Minimum 5.0

Duration of study

4 years

Credit Hours

136

SUBJECTS OFFERED

YEAR 1

- Engineering Drawing and CAD
- Survey Measurement
- Engineering Mathematics 1
- Static and Dynamics
- Introduction to OSH
- Strength Of Material
- Environmental Science
- Soil Mechanics
- Sustainable Development
- Fluid Mechanics
- Field Survey

YEAR 2

- Computer Software Application
- English For Academics Purposes
- Engineering Statistics
- Geotechnical Engineering 1
- Engineering Management
- Engineering Mathematics 2

YEAR 3

- English For Employment
- Construction Materials
- Geotechnical Engineering 2
- Structural Analysis 1
- Project Economics & Quality Assurance
- Co-Curriculum

YEAR 4

- Maintenance Safety For Engineering
- Highway & Traffic Engineering
- Structural Analysis 2
- Hubungan Etnik/ Pengajian Malaysia 2
- Entrepreneurship/ Bahasa Kebangsaan A
- Academic Skill
- Engineering Hydraulics & Hydrology

- Estimating & Costing
- Infrastructure Maintenance
- Research Methodology
- Reinforced Concrete Design
- Engineering Laboratory 1
- Engineering Laboratory 2
- Engineering Laboratory 3

YEAR 4

- Water Supply & Waste Water Engineering
- Final Year Project 1
- Highway & Railway Maintenance
- Building Maintenance
- Industrial Training Structural Steel Design
- Final Year Project 2
- Integrated Design Project
- Engineers In Society
- Tamadun Islam & Tamadun Asia
- Bahasa Melayu Komunikasi 2*