BACHELOR OF ENGINEERING (HONS) IN CIVIL ENGINEERING

Students will gain knowledge of various civil engineering fields, such as structural analysis and design, material engineering, geotechnical and soil mechanics, hydraulics and hydrology in water engineering, highway and traffic engineering, as well as exposure to construction project management, contracts and estimating of costs.

We also provide soft skills training as well as internships at reputable civil engineering-based companies, and classroom learning with reference to industrial-related projects.

The programme has been granted accreditation by the Malaysian Qualifications Agency (MQA) in 2011, and accreditation by the Engineering Accreditation Council (EAC) in 2012.

**Highlights**
- Programme follows the guidelines set by the Engineering Accreditation Council (EAC)
- Course incorporates the needs of industries
- Industrial lectures by leaders of the engineering industry
- Soft skills and internships to provide students with transferable skills and working experience

**Career opportunities**
Consulting Engineer, Design Engineer, Research or Development Engineer, Project Manager, Risk Analyst, Contractor, Developer, Civil Engineering Product Specialist, Government Civil Service, University Lecturer & Professor

**Offered at**
INTI International University

**INTAKES: JAN, MAY & AUG**

**Duration**
4 Years

**Programme structure**

**Year 1**
- Electrical Circuits
- Engineering Drawing
- Engineering Materials
- Engineering Mathematics 1
- Engineering Mathematics 2
- Engineering Perspectives
- Engineering Statics
- Introduction to Programming
- University English

**Year 2**
- Analytical Methods
- Civil Engineering Drawing
- Construction Materials
- Engineering Dynamics
- Engineering Geology
- Fluids Mechanics
- Geotechnical Engineering
- Mechanics of Materials
- Structural Analysis
- Surveying

**Year 3**
- Design of Structural Steelwork
- Engineering Hydrology
- Estimating & Contract
- Foundation in Engineering
- Highway & Traffic Engineering
- Industrial Training
- Integrated Engineering Design Project
- Open Channel Hydraulics
- Reinforced Concrete Design

**Year 4**
- Advanced Reinforced & Pre-stressed Concrete Design
- Elective Subject
- Engineering Economics
- Environmental Engineering
- Final Year Project – Civil Engineering
- Project Management for Civil Engineering

**Choice of elective subjects**
- Advanced Highway Engineering
- Advanced Steel Design
- Advanced Structural Analysis
- Sustainable Energy Systems
- Water & Waste Water Systems

**MPU subjects**
- Bahasa Kebangsaan A*
- Community Service & Co-curriculum
- Entrepreneurship
- Ethnic Relations (Local students) / Malay Communication 2 (International students)
- Islamic & Asian Civilisation (Local students) / Malaysian Studies (International students)
- Presentation Skills

*For Malaysian students who do not have a credit in SPM BM.*