



## PROGRAMME DESCRIPTION

The program, Bachelor of Civil Engineering Technology prepare the graduates with effective skill and knowledge for the wide range of professional and technical positions with the knowledge of construction, consulting engineering, surveying and development industries. Civil engineers and technologists team together to plan, design, construct and maintain road rail transportation systems, port and airport facilities, bridges, tunnels, dams, and buildings of all types; water, gas and oil pipelines; energy-generating facilities, water, air and waste treatment plants. Civil engineers are, to a great extent, the designers, builders and custodians of society's environment as well as stewards of the natural environment. The students are challenged to view the engineer's role from an interdisciplinary and multidisciplinary perspective.

## PROGRAMME AIM

The Program, Bachelor of Civil Engineering Technology are aimed to provide knowledge - based technological services that satisfy the needs of society, industry and help in building national capabilities in science, technology, and research. Our graduates are well-rounded engineers with significant exposure to professional engineering practices, well-equipped to meet the challenges of the future, including those caused by climate changes and sustainability issues.

## PROGRAMME DURATION

Minimum Duration : **48 Months.**  
 Maximum Duration : **60 Months.**

## INTAKE AND ENTRY REQUIREMENTS

1. January. 2. May. 3. September.
- ▶ Graduation, high school Certificate Malaysia (STPM) with a full pass in 2 subjects or equivalent with a minimum CGPA of 2.0 and pass the Certificate of Education (SPM) or equivalent with credits in Mathematics; or
  - ▶ A-Level pass with at least a pass in 2 subjects including Mathematics and graduate Certificate of Education Malaysia (SPM) or O-Level or equivalent with credits in subjects Mathematics; or
  - ▶ Passed the Matriculation Programme or Foundation recognized with a CGPA of 2.0; or
  - ▶ Pass the Unified Examination Certificate (UEC) with at least grade B in 5 subjects including English and mathematics; or
  - ▶ Graduate Diploma (Level 4 MOH) in the field associated with a CGPA minimum 2.0 AND credit in Mathematics at SPM level; or
  - ▶ Other qualifications recognized to be an equivalent by the government of Malaysia



## LIST OF COURSE/MODULE OFFERED IN THE PROGRAMME

Year 1 - Semester 1	COURSE NAME	CREDIT HOURS
	Mathematics 1	3
	Fluid Mechanics	3
	Surveying-1	3
	Structural Mechanics	3
	English	3
	Malaysian Studies or Cultural relations	3
Year 1 - Semester 2	Physics	3
	Engineering Geology	3
	Building Material & Construction	3
	Mathematics-2	3
	Quantity Surveying, Specification & Valuation	3
	Surveying-2	3

Year 2 - Semester 3	COURSE NAME	CREDIT HOURS
	Concrete Technology	3
	Structural Analysis-1	3
	Moral studies /Islamic Studies	3
	Structural Design-1(RCC)	3
	Soil Mechanics-1	3
	Computer application in civil engi	3
Year 2 - Semester 4	Environment Engineering-1	3
	Structural Analysis-2	3
	Structural Design-2(STEEL)	3
	Soil Mechanics-2	3
	Transportation Engineering-1(Highway)	3
	Water Resource-1	3

Call us :

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Semester continued to next page..

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Year 3 - Semester 5	COURSE NAME	CREDIT HOURS
	Environment Engineering-2	3
	Structural Analysis-3	3
	Water Resource Engineering-2	3
	Transportation-2	3
	Foundation Engineering	3
	Research Methodology	3

Year 4 - Semester 7	COURSE NAME	CREDIT HOURS
	Geomechanics	3
	Engineering Mechanics- Statics and Vibrations	3
	Engineering Drawing	3
	Research Project	3
	Major Elective: (1 of the following 2) -3 Credits	
	Probability and Statistics	3
	Renewable Energy Processes	3

Year 3 - Semester 6	COURSE NAME	CREDIT HOURS
	Hydraulic Structure	3
	Environment pollution & control	3
	Remote sensing GIS	3
	Construction Management	3
	Accountancy & Economics	3
	Engineering Management	3

Year 4 - Semester 8	COURSE NAME	CREDIT HOURS
	Minor Elective (2 of the following 3) -6 Credits	
	Quality Management	3
	Safety and Health for Engineers	3
	Entrepreneurship Development	3
	Industrial Training	8



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