



## 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 construction, consulting engineering, surveying and development industries. This field specializes in geotechnical, water, road and transportation, or structural engineering. Civil engineering professionals are equipped with the skill of design, construction and maintenance of roads, bridges, building structures, canals, dams, water supply and waste water services facilities. Professional are able to explore computer-modeling techniques and civil engineering project management.



## PROGRAMME AIM

The Program, Bachelor of Civil Engineering Technology are aim to provide knowledge - based technological services that satisfy the needs of society, industry and help in building national capabilities in science, technology, and research.



## PROGRAMME DURATION

Duration : 48 Months. (Full Time)



## INTAKE AND ENTRY REQUIREMENTS

March, July, November

- Passed Sijil Tinggi Persekolahan Malaysia (STPM) with a full pass in 2 subjects or equivalent with a minimum CGPA of 2.0 AND passed Sijil Pelajaran Malaysia (SPM) or equivalent with credit in Mathematics; or
- Pass A-Level with at least a pass in 2 subjects including Mathematics AND pass Sijil Pelajaran Malaysia (SPM) or O-level or equivalent with credit in Mathematics; or
- Passed a recognized Matriculation Program or Foundation Program with a CGPA of 2.0; or
- Passed the Unified Examination Certificate (UEC) with at least a B-grade in 5 subjects including Mathematics and English; or
- Passed Diploma (Level 4 MOH) in a related field with a minimum CGPA of 2.0 AND credit in Mathematics at SPM level; or
- Other qualifications recognized as equivalent by the Government of Malaysia.



## LIST OF COURSE/MODULE OFFERED IN THE PROGRAMME

| Sl.No. | Subject Name                                                                                                     |
|--------|------------------------------------------------------------------------------------------------------------------|
| 1      | Engineering Mathematics 1                                                                                        |
| 2      | Fluid Mechanics                                                                                                  |
| 3      | Surveying-1                                                                                                      |
| 4      | Engineering Mechanics                                                                                            |
| 5      | English                                                                                                          |
| 6      | Philosophy and Current issues course (Local Students)<br>Malay Language Communication 2 (International Students) |
| 7      | Engineering Mathematics-2                                                                                        |
| 8      | Engineering Drawing including BIM                                                                                |
| 9      | Surveying-2                                                                                                      |
| 10     | Structural Mechanics                                                                                             |
| 11     | Engineering Geology                                                                                              |
| 12     | Appreciation of Ethics and Civilizations                                                                         |

| Sl.No. | Subject Name                                 |
|--------|----------------------------------------------|
| 13     | Concrete Technology                          |
| 14     | Structural Analysis-1                        |
| 15     | Probability and Statistics                   |
| 16     | Structural Design-1(RCC)                     |
| 17     | Building Material & Construction             |
| 18     | Leadership Skills and Human Relations        |
| 19     | Government and Public Policy Malaysia        |
| 20     | Soil Mechanics-1                             |
| 21     | Environmental Eng-1                          |
| 22     | Structural Analysis-2                        |
| 23     | Quantity Surveying Specification & Valuation |
| 24     | Transportation Eng I (Highway)               |



Call us :

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Semester continued to next page..

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|                                                                              |                                       |
|------------------------------------------------------------------------------|---------------------------------------|
| 25                                                                           | Water Resource-1                      |
| 26                                                                           | Structural Design-2 (Steel)           |
| 27                                                                           | Construction Management               |
| 28                                                                           | Environment Engineering-2             |
| 29                                                                           | Hydraulic Structure                   |
| 30                                                                           | Soil Mechanics-2                      |
| 31                                                                           | Construction Methods and Technologies |
| <b><u>Elective (Choose any one module from the following):</u></b>           |                                       |
| 32                                                                           | Safety and Health for Engineers       |
|                                                                              | Entrepreneurship Development          |
|                                                                              | Accountancy & Economics               |
| 33                                                                           | Research Methodology                  |
| 34                                                                           | Project management                    |
| 35                                                                           | Capstone Project                      |
| 36                                                                           | Foundation Engineering                |
| 37                                                                           | Community Service                     |
| <b><u>Elective (Choose any one set of electives from the following):</u></b> |                                       |
| 38                                                                           | Remote sensing & GIS                  |
| 39                                                                           | Transportation – 2                    |
| 38                                                                           | Geomechanics                          |
| 39                                                                           | Structural Analysis-3                 |
| 38                                                                           | Water Resource Engineering-2          |
| 39                                                                           | Environment Pollution & Control       |
| 40                                                                           | Final Year Project                    |
| 41                                                                           | Industrial Training                   |



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