

Elective Options for Engineering Programs in 2019

Program	Students who commenced Degree in 2010 and onwards
Bachelor of Engineering (Civil Engineering) (Honour)	<p><u>Civil Specialist Study (package of 4 units)</u> Minimum two of the following units: CVE80019 Structural Dynamics & Earthquake Engineering (Semester 1, pre-requisite: ENG10003 Mechanics of Structures; CVE20003 Design of Concrete Structures & 200CPS) CEE30008 Environmental Engineering (Semester 1, pre-requisite: 250CPS) CSM80003 Construction Law (Semester 1, pre-requisite: pre-requisite: UG 250CPS; master of construction management course, offered as UG elective) MME80001 Resource Planning and Management (Semester 1, pre-requisite: pre-requisite: UG 250CPS; master of construction management course, offered as UG elective) CVE20007 Sustainable Built Environment (Semester 2, pre-requisite: CVE10006 or 200CPS) CVE80006 Infrastructure Deterioration Modelling (Semester2, pre-requisite: CVE20003 & CVE30002) CSM80006 Engineering Project Management (Semester 2, pre-requisite: pre-requisite: UG 250CPS; master of construction management course, offered as UG elective) RSK80004 Introduction to Risk and Due Diligence (Semester 2, pre-requisite: pre-requisite: UG 250CPS; master of construction management course, offered as UG elective)</p> <p>Maximum two of the following units: MEE20001 Thermodynamics 1 (Semester 1, pre-requisite: PHY10001) MEE40005* Human Factors (Semester 1, pre-requisite: 100 CPS) EEE80015 Renewable Energy (Semester 1, pre-requisite: 200 CPS) MEE20005 Materials and Manufacturing 1 (Semester 2, pre-requisite: MEE10001) MEE20006 Machine Dynamics 1 (Semester 2, pre-requisite: MTH10007) MEE30004 Solid Mechanics (Semester 2, pre-requisite: MEE20004) MEE40004 Fluid Mechanics 2 (Semester 2, pre-requisite: MEE20003) ENT30014* Social Innovation Internship (Winter Term, pre-requisite: 100 CPS)</p> <p><i>* There are limited seats available for Engineering students and it is based on first come first serve basis.</i></p>
<p>Bachelor of Engineering (Civil Engineering) (Honour) / Bachelor of Business</p> <p>Bachelor of Engineering (Civil Engineering) (Honour) / Bachelor of Commerce</p>	No elective unit but students need to do MME40001 Engineering Management 2

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- *It is student's own responsibility to check the offering of the units with the various Faculty Program Co-ordinators each semester, if in doubt.*
- *Students MUST NOT to take any unit outside the packages above.*
- *Failure to comply with any instruction above may result in time-table clashes and/or delay of completing the Degree in 4 years under normal circumstances.*
- *Student MUST NOT complete their Degree in less than 4 years, in fulfilment with the requirement from the Board of Engineers Malaysia (BEM).*