

Elective and Minor Options for BH-EEE Program

Program	Students who commenced Degree in 2016 and onwards	
BH-EEE Bachelor of Engineering (Electrical and Electronic) (Honours)	<u>(A) Specialist Study (select 4 units)</u> <u>Electrical and Electronic</u> EEE30003 Electrical Safety (Sem1 only) TNE10005 Network Administration TNE10006 Networks and Switching TNE20002 Network Routing Principles TNE30004 Communications Information Theory (Sem2 only) TNE30018 Enterprise Network Server Administration TNE40003 Wireless Communications Choose 1 from this group: ENG10002 Engineering Materials OR MEE20001 Thermodynamics 1 (Sem1 only) <u>Robotics and Mechatronics</u> MEE40005 Human Factor (Sem1 only) EEE80015 Renewable Energy (Sem1 only) RME30003 Robotic Control (Sem2 only) RME40002 Mechatronics Systems Design (Sem2 only) RME40003 Robot System Design (Sem2 only) <u>Computing</u> COS10003 Computer Logic and Essentials COS10004 Computer Systems COS10009 Introduction to Programming COS10081 Introduction to Data Science (Sem 1 only) COS10082 Applied Analytics in Business (Sem 1 only) COS20001 User-Centred Design COS20007 Object-Oriented Programming COS20083 Advanced Data Analytics (Sem 1 only) COS20085 Big Data Architecture and Application (Sem 2 only) COS30007 Creating Data Driven Mobile Applications COS30008 Data Structures and Patterns COS30017 Software Development for Mobile Devices COS30019 Introduction to Artificial Intelligence COS30023 Languages in Software Development ICT10001 Problem Solving with ICT ICT40005 Research Methods (Sem 2 only) INF10002 Database Analysis and Design	<u>(A) Specialist Study (select 4 units)</u> <u>Civil Engineering</u> CSM80003 Construction Law MME80001 Resource Planning and Management <u>Commerce/Business</u> ENT30014 Social Innovation Internship (Winter Term) <u>Biotechnology</u> BIO10001 Concepts of Biology CHE10001 Chemistry 1 BIO10003 Concepts of Biotechnology STA10003 Foundation of Statistics NPS10001 Introduction to e-Science BIO20002 The Microbial World BCH20002 Introduction to Biochemistry PEH20005 Communicable Disease Control <u>(B) Biotechnology Minor</u> BIO10001 Concepts of Biology CHE10001 Chemistry 1 BCH20002 Introduction to Biochemistry BCH20001 Biochemistry of Genes and Proteins <u>Important:</u> 1) Student MUST complete either (A) OR (B) 2) Student is advised: a) <u>NOT</u> to mix and match any individual unit from any of the Minor packages above b) <u>NOT</u> to take any unit outside the Minor packages above without the approval from the program coordinator

* It is student's own responsibility to check the offering of the units with the various Faculties' Program Co-ordinators each semester, if in doubt.

* 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 requirement from Board of Engineers Malaysia (BEM).