BH-EEE Bachelor of Engineering (Electrical and Electronic) (Honours)
Recommended Study Sequence (March Intake) 2021

Semester	Unit Code	Unit of Study Title	Pre-requisite
Y1			
Mar 2021 (Sem 1)	ENG10003	Mechanics of Structures	Nil
	ENG10004	Digital and Data Systems	Nil
	MTH10013	Linear Algebra and Applications	VCE Mathematical Methods or Equivalent
	PHY10004	Electronics and Electromagnetism	Nil
Aug 2021 (Sem 2)	ENG10001	Engineering, Design and Innovation	Nil
	ENG10002	Engineering Materials	Nil
	MTH10012	Calculus and Applications	VCE Mathematical Methods or Equivalent
	PHY10001	Energy and Motion	Nil
Y2			
Feb 2022 (Sem 1)	COS10022	Introduction to Data Science	Nil
	EEE20002	Circuits and Systems	MTH10012, MTH10013 & PHY10004
	MTH20014	Mathematics 3B	MTH10012 & MTH10013
	SWE20004	Technical Software Development	ENG10004
Aug 2022 (Sem 2)	EEE20003	Embedded Microcontrollers	EEE20001 & SWE20004
	EEE20004	Analogue Electronics 1	EEE20002
	EEE20005	Electrical Machines	EEE20002 & MTH10012
	EEE20001	Digital Electronics Design	Nil
Y3			
Feb 2023 (Sem 1)	EEE30001	Analogue Electronics 2	EEE20004
	EEE30002	Electrical Power Systems	EEE20005
	EEE40002	Integrated Circuit Design	EEE20001
	COS20083	Advance Data Analytics	Nil
Aug 2023 (Sem 2)	EEE30004	Digital Signal Processing	MTH20014 & EEE20002
	EEE30005	Electrical Integrated Design Project	EEE30002
	EEE40005	Power Electronics	EEE20005
	TNE30003	Communications Principles	MTH10012 & MTH10013
Industrial Experience			
	EAT20008	*Professional Experience in Engineering (0 CP) **	EAT20008 Introductory Seminar
Y4			
Feb 2024 (Sem 1)	ENG40001	Final Year Research Project 1	287.5 credit points
	PHY40001	Electromagnetic Waves	MTH20014
	RME30002	Control and Automation	PHY10004 & MTH20014
	EEE80015	Renewable Energy	100 credit points
Aug 2024 (Sem 2)	ENG40002	Final Year Research Project 2	ENG40001
	COS30018	Intelligent Systems	SWE20004
	MME30001	Engineering Management 1	100 credit points
	EEE40007	Power System Operation and Control	EEE30002

Note:

*EAT20008 Professional Experience in Engineering is compulsory for all students who commenced first year from 2004, and MUST be taken <u>before</u> the last semester of study as part of EAC's requirement.

CORE UNITS - A set of compulsory units you MUST complete as part of your Course.
MAJOR UNITS - A structured set of 16 units or 200 credit points in a field of study specific to your course.
Prescribed Elective Package
INDUSTRY 4.0 UNITS

Updated: 5 October 2020   *Discipline Leader: Hadi Nabipour*