

BH-EEE Bachelor of Engineering (Electrical and Electronic) (Honours)
Recommended Study Sequence (August Intake) 2020

Semester	Unit Code	Unit of Study Title	Pre-requisite
Y1			
Aug 2020 (Sem 2)	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
Feb 2021 (Sem 1)	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			
Aug 2021 (Sem 2)	EEE20001	Digital Electronics Design	Nil
	SWE20004	Technical Software Development	ENG10004
	TNE30003	Communications Principles	MTH10012 & MTH10013
		Elective Unit	
Feb 2022 (Sem 1)	EEE20002	Circuits and Systems	MTH10012, MTH10013 & PHY10004
	MTH20014	Mathematics 3B	MTH10012 & MTH10013
	MME30001	Engineering Management 1	100 credit points
	EEE40002	Integrated Circuit Design	EEE20001
Y3			
Aug 2022 (Sem 2)	EEE20003	Embedded Microcontrollers	EEE20001 & SWE20004
	EEE20004	Analogue Electronics 1	EEE20002
	EEE20005	Electrical Machines	EEE20002 & MTH10012
	EEE30004	Digital Signal Processing	MTH20014 & EEE20002
Feb 2023 (Sem 1)	EEE30001	Analogue Electronics 2	EEE20004
	EEE30002	Electrical Power Systems	EEE20005
	RME30002	Control and Automation	PHY10004 & MTH20014
		Elective Unit	
Industrial Experience			
	EAT20008	<i>Professional Experience in Engineering (0 CP) *</i>	EAT20008 Introductory Seminar
Y4			
Aug 2023 (Sem 2)	EEE30005	Electrical Integrated Design Project	EEE30002
	EEE40005	Power Electronics	EEE20005
	EEE40007	Power System Operation and Control	EEE30002
	ENG40001	Final Year Research Project 1	287.5 credit points
Feb 2024 (Sem 1)	PHY40001	Electromagnetic Waves	MTH20014
	ENG40002	Final Year Research Project 2	ENG40001
		Elective Unit	
		Elective Unit	

Note:

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

CORE – A set of compulsory units you MUST complete as part of your Course.

FIRST MAJOR UNITS – A structured set of 16 units or 200 credit points in a field of study specific to your course.

ELECTIVE UNITS – Please refer to the elective unit listing.

Updated: 15 April 2020

Discipline Leader: Hadi Nabipour