COURSE DELIVERY PLAN 2023

Bachelor of Engineering (Honours) (Electrical and Electronic Engineering)

COURSE CODE: NHEE

CAMPUS	Footscray Park (FP)
COLLEGE	College of Engineering and Science
STUDY MODE	Full Time or Part Time
DURATION	4 years Full Time or Part Time equivalent
FEE TYPE	For information on course fees, refer to http://vu.edu.au/fees
APPLICATION METHOD	VTAC - https://vtac.edu.au Direct Application - https://gotovu.custhelp.com/app/landing
TIMETABLE	vu.edu.au/timetables
COURSE REQUIREMENTS	To attain the Bachelor of Engineering (Honours) (Electrical and Electronic Engineering), students will be required to complete 384 credit points consisting of: • 96 credit points of First Year Core studies; • 288 credit points of Professional Core Engineering units. Students are required to produce documented evidence of the completion of 12 weeks professional experience. **Accreditation:** This program is accredited by Engineers Australia and graduates are eligible to apply for graduate membership. **First Class Honours:** To be eligible for completion with First Class Honours, students must achieve: • A minimum weighted average of 60% over year levels 1 to 3; • A minimum weighted average of 80% in year level 4; • An average HD grade for the final year units, NEF4101 Research Project 1 and NEF4201 Research Project 2.
FURTHER INFORMATION	Unit and course information is available from the University course search site at http://vu.edu.au/course-search or go to https://askvu.vu.edu.au or Phone VUHQ on 03 9919 6100
COURSE CHAIR	Tze Huei Lai
COURSE ADVICE	AskVU https://askvu.vu.edu.au/app/askcua

Note: Students are required to enrol in all units for semester 1 and 2, and are not permitted to enrol in more than 48 credit points per semester as a full-time load.

Core/Elective Core (a unit that must be completed) & Elective (you have some choice in what you select).

Prerequisites A number of units within the degree have 'prerequisites'. These prerequisites must be met before enrolment in the unit is permitted. Generally these prerequisites require the successful completion of a unit or units taken at an earlier

stage in the course. Students should pay particular attention to these prerequisite requirements as failure to meet these can seriously hinder progression through the course.

Date of Publication: This information is current at the publication date: 19/10/2022. It is provided as information only and does not form part of a contract between any person and Victoria University.

COURSE DELIVERY PLAN 2023

YEAR 1

UNIT CODE	UNIT TITLE	UNIT TYPE	SEM	CREDIT POINTS	CAMPUS	PRE-REQUISITES
NEF1103	Engineering and the Community	Core	1B1	12	FP	
NEF1105	Mathematics for Engineering and Science	Core	1B2	12	FP	
NEF1102	Engineering Physics 1	Core	1B3	12	FP	
NEF1104	Problem Solving for Engineers	Core	1B4	12	FP	
NEF1201	Engineering Mathematics 2	Core	2B1	12	FP	NEF1105
NEF1204	Introduction to Engineering Design	Core	2B2	12	FP	
NEF1202	Engineering Physics 2	Core	2B3	12	FP	NEF1102
NEF1205	Engineering Fundamentals	Core	2B4	12	FP	

Students commencing in **Semester 2, Block 1 – 2B1 2023,** please enrol as per below:

2B1 – NEF1103
2B2 – NEF1105
2B3 – NEF1102
2B4 – NEF1204

In **Semester 1. 2024** you will enrol as per below:

1B1 – NEF1201 – needs the completion of NEF1105
1B2 – NEF1202 – needs the completion of NEF1102
1B3 – NEF1104
1B4 – NEF1205

Students commencing in **Semester 2, Block 3 – 2B3 2023,** please enrol as per below:

2B3 – NEF1104
2B4 – NEF1102

In **Semester 1. 2024** you will enrol as per below:

1B1 – NEF1105
1B2 – NEF1202 – needs the completion of NEF1102
1B3 – NEF1204
1B4 – NEF1205

Students must adhere to these sequence patterns when enrolling units.

COURSE DELIVERY PLAN 2023

YEAR 2

UNIT CODE	UNIT TITLE	UNIT TYPE	SEM	CREDIT POINTS	CAMPUS	PRE-REQUISITES
NEE2101	Electrical Circuits	Core	1B1	12	FP	NEF1205
NEE2107	Telecommunications	Core	1B2	12	FP	NEF1201
NEE2110	Engineering Design and Practice 2A	Core	1B3	12	FP	NEF1204
NEE2106	Computer Programming for Electrical Engineers	Core	1B4	12	FP	
NEE2205	Analogue Electronics	Core	2B1	12	FP	NEF1205
NEE2204	Power System Supply Chain Management	Core	2B2	12	FP	
NEE2201	Linear Systems with Matlab Applications	Core	2B3	12	FP	NEF1201, NEE2101
NEE2210	Engineering Design and Practice 2B	Core	2B4	12	FP	NEE2205

Students must adhere to these sequence patterns when enrolling units.

YEAR 3

UNIT CODE	UNIT TITLE	UNIT TYPE	SEM	CREDIT POINTS	CAMPUS	PRE-REQUISITES
NEE3104	Digital Systems	Core	1B1	12	FP	NEF1205
NEE3201	Introduction to Control Systems	Core	1B2	12	FP	NEE2201; or
NEE3103	Electrical Machines	Core	1B3	12	FP	NEE2101; or NEF2251
NEF3101	Project Management	Core	1B4	12	FP	
NEE3207	Analogue and Digital Transmission	Core	2B1	12	FP	
NEF3202	Research Methods	Core	2B2	12	FP	
NEE3208	Signal Processing	Core	2B3	12	FP	NEE2201
NEE3203	Embedded Systems	Core	2B4	12	FP	NEE2106

Students must adhere to these sequence patterns when enrolling units.

COURSE DELIVERY PLAN 2023

YEAR 4

UNIT CODE	UNIT TITLE	UNIT TYPE	SEM	CREDIT POINTS	CAMPUS	PRE-REQUISITES
NEF4105	Professional Engineering Practice	Core	1B1	12	FP	
NEF4001	Computational Heat and Fluid Flows	Core	1B2	12	FP	NEF1201; and NEF1202; and
NEE4110	Electrical Power Systems, Analysis and Operation	Core	1B3	12	FP	
NEF4101	Research Project 1	Core	1B4	12	FP	NEF3202
NEF4206	Advanced Engineering Design	Core	2B1	12	FP	
NEE4211	Mobile Networks and Communications	Core	2B2	12	FP	NEE3207
NEF4205	Sustainable Energy Systems	Core	2B3	12	FP	
NEF4201	Research Project 2	Core	2B4	12	FP	NEF4101

Students must adhere to these sequence patterns when enrolling units.