

COURSE DELIVERY PLAN 2021

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

COURSE CODE: NHES

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
FEES 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 Sports Engineering), students will be required to complete 384 credit points consisting of: <ul style="list-style-type: none">• 96 credit points of First Year Core studies;• 288 credit points of Professional Core Engineering studies. 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: <ul style="list-style-type: none">• A minimum weighted average of 60% over year levels 1 to 3;• A minimum weighted average of 80% in year level 4;• A HD grade for the final year NEF4202 Capstone 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	Cagil Ozansoy
COURSE ADVICE	CUA.COES@vu.edu.au

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.

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YEAR 1

UNIT CODE	UNIT TITLE	UNIT TYPE	SEM	CREDIT POINTS	CAMPUS	PRE-REQUISITES
NEM1001	Algebra and Calculus	Core	1B1, 1B2, 1B4, 2B2	12	FP	
NEF1205	Engineering Fundamentals	Core	2B1, 2B2, 2B3, 2B4	12	FP	
NEF1202	Engineering Physics 2	Core	1B2, 2B1, 2B2, 2B3	12	FP	NEF1102
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NEF1201	Engineering Mathematics 2	Core	1B3, 2B1	12	FP	NEM1001
NEF1104	Problem Solving for Engineers	Core	1B3, 1B4	12	FP	
NEF1103	Engineering and the Community	Core	1B1, 2B1, SB1	12	FP	
NEF1102	Engineering Physics 1	Core	1B2, 1B3, 1B4	12	FP	
NEF1204	Introduction to Engineering Design	Core	2B3, 2B4	12	FP	

YEAR 2

UNIT CODE	UNIT TITLE	UNIT TYPE	SEM	CREDIT POINTS	CAMPUS	PRE-REQUISITES
NEE2210	Engineering Design and Practice 2B	Core	2B4	12	FP	NEE2205
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
NEE2107	Telecommunications	Core	1B2	12	FP	NEF1201
NEE2106	Computer Programming for Electrical Engineers	Core	1B4	12	FP	
NEE2101	Electrical Circuits	Core	1B1, WB1	12	FP	NEF1205
AHE2127	Motor Learning	Core	1B1, 1B2, 2B1, 2B2, 2B3, 2B4, SB1, WB1	12	FP	

YEAR 3

UNIT CODE	UNIT TITLE	UNIT TYPE	SEM	CREDIT POINTS	CAMPUS	PRE-REQUISITES

COURSE DELIVERY PLAN 2021

NEF3202	Research Methods	Core	2B1, 2B2, 2B3, 2B4	12	FP	
NEF3101	Project Management	Core	1B1, 1B2, 1B3, 1B4	12	FP	
NEE3104	Digital Systems	Core	1B1	12	FP	NEF1205
NEE3201	Introduction to Control Systems	Core	1B2, WB1	12	FP	NEE2201
NEE3203	Embedded Systems	Core	2B4	12	FP	NEE2106
NEE3207	Analogue and Digital Transmission	Core	2B1	12	FP	
NEE3208	Signal Processing	Core	2B3	12	FP	NEE2201
AHE2102	Sports Biomechanics	Core	2B3, 2B4	12	FP	AHE1202 or NEF1102

YEAR 4

UNIT CODE	UNIT TITLE	UNIT TYPE	SEM	CREDIT POINTS	CAMPUS	PRE-REQUISITES
NEF4205	Sustainable Energy Systems	Core	2B1, 2B2, 2B3	12	FP	
NEF4201	Research Project 2	Core	1B4, 2B4	12	FP	NEF4101
NEF4105	Professional Engineering Practice	Core	1B1, 1B2, 1B3, 1B4	12	FP	
NEF4101	Research Project 1	Core	1B4, 2B4	12	FP	
NEE4211	Mobile Networks and Communications	Core	2B2	12	FP	NEE3207
NEE4110	Electrical Power Systems, Analysis and Operation	Core	1B3	12	FP	
AHE3101	Advanced Biomechanics	Core	1B1, 1B2, 1B3, 1B4	12	FP	AHE2102
AHE3126	Motor Control	Core	1B4, 2B1, 2B2, 2B3, 2B4, SB1	12	CF	
			1B4, 2B1, 2B2, 2B3, 2B4, WB1		FP	