

COURSE DELIVERY PLAN 2027

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

COURSE CODE: NHEE

CAMPUS	Footscray Park (FP)
COLLEGE	College of Sport, Health and Engineering
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) (Civil Engineering), students will be required to complete: • 336 credit points of Core studies • 48 credit points of Capstone studies • 0 credit points unit NEF3000 Engineering 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 unit NEF4901 Research Project or 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	Horace King
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.



VICTORIA UNIVERSITY

For further course information phone 1300 VICUNI/vu.edu.au
Victoria University CRICOS Provider No. 00124K (Melbourne), 02475D (Sydney and Brisbane)

This information is accurate as of October 5, 2026 and applies to students beginning during the specified intake period. It is provided for informational purposes only and does not constitute a contract between any individual and Victoria University. Students starting in a different intake or unable to follow the plan due to credit or other factors should consult their [Course and Unit Advisor](#) for enrolment assistance.

COURSE DELIVERY PLAN 2027

Date of Publication: This information is current at the publication date: 5/10/2026. It is provided as information only and does not form part of a contract between any person and Victoria University.



VICTORIA UNIVERSITY

For further course information phone 1300 VICUNI/vu.edu.au
Victoria University CRICOS Provider No. 00124K (Melbourne), 02475D (Sydney and Brisbane)

This information is accurate as of October 5, 2026 and applies to students beginning during the specified intake period. It is provided for informational purposes only and does not constitute a contract between any individual and Victoria University. Students starting in a different intake or unable to follow the plan due to credit or other factors should consult their [Course and Unit Advisor](#) for enrolment assistance.

COURSE DELIVERY PLAN 2027

YEAR 1

UNIT CODE	UNIT TITLE	UNIT TYPE	SEM	CREDIT POINTS	CAMPUS	PRE-REQUISITES
NEF1001	Introduction to Engineering	Core	1B1	12	FP	
NEF1002	Engineering Computational Methods	Core	1B2	12	FP	
NEF1003	Engineering Dynamics	Core	1B3	12	FP	
NEF1004	Principles of Structural Mechanics	Core	1B4	12	FP	NEF1002; or NEF1105
NEF1005	Applied and Quantitative Methods in Engineering	Core	2B1	12	FP	NEF1002; or NEF1105
NEF1006	Fundamentals of Electrical Systems	Core	2B2	12	FP	NEF1003; or NEF1102
NEF1007	Thermodynamics for Engineers	Core	2B3	12	FP	NEF1003; or NEF1102
NEF1008	Sustainable Engineering Design and Innovation	Core	2B4	12	FP	NEF1001; or NEF1103

YEAR 2

UNIT CODE	UNIT TITLE	UNIT TYPE	SEM	CREDIT POINTS	CAMPUS	PRE-REQUISITES
NEE2001	Electrical Circuits with Computer Programming	Core	1B1	12	FP	NEF1005; and NEF1006
NEE2002	Analogue and Digital Signals and Systems	Core	1B2	12	FP	NEE2001
NEE2003	Microcontrollers and Embedded Systems	Core	1B3	12	FP	NEE2001
NEE2004	Internet of Things (IoT) Design and Applications	Core	1B4	12	FP	NEE2001; and NEE2002; and NEE2003
NEE2005	Modern Communication Systems	Core	2B1	12	FP	NEF1005; and NEF1006
NEE2006	Energy Conversion and Smart Machines	Core	2B2	12	FP	NEF1005; and NEF1006
NEE2007	Advanced Control and Robotics	Core	2B3	12	FP	NEE2006
NEE2008	Robotics and Autonomous Systems Design	Core	2B4	12	FP	NEE2005; and NEE2006; and NEE2007



VICTORIA UNIVERSITY

For further course information phone 1300 VICUNI/vu.edu.au
Victoria University CRICOS Provider No. 00124K (Melbourne), 02475D (Sydney and Brisbane)

This information is accurate as of October 5, 2026 and applies to students beginning during the specified intake period. It is provided for informational purposes only and does not constitute a contract between any individual and Victoria University. Students starting in a different intake or unable to follow the plan due to credit or other factors should consult their [Course and Unit Advisor](#) for enrolment assistance.

COURSE DELIVERY PLAN 2027

YEAR 3

UNIT CODE	UNIT TITLE	UNIT TYPE	SEM	CREDIT POINTS	CAMPUS	PRE-REQUISITES
NEE3104	Digital Systems	Core	1B1	12	FP	NEF1205; or NEF1006
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	Completion of 96 Credit Points
NEE3207	Analogue and Digital Transmission	Core	2B1	12	FP	
NEF3202	Research Methods	Core	2B2	12	FP	Completion of 192 Credit Points
NEE3208	Signal Processing	Core	2B3	12	FP	NEE2201
NEE3203	Embedded Systems	Core	2B4	12	FP	NEE2106

YEAR 4

UNIT CODE	UNIT TITLE	UNIT TYPE	SEM	CREDIT POINTS	CAMPUS	PRE-REQUISITES
NEF4105	Professional Engineering Practice	Core	1B1	12	FP	Completion of 288 Credit Points
NEF4001	Computational Heat and Fluid Flows	Core	1B2	12	FP	NEF1201; and NEF1202; Completion of 240CP
NEE4110	Electrical Power Systems, Analysis and Operation	Core	1B3	12	FP	
NEF4101	Research Project 1	Core	1B4	12	FP	NEF3202; and Completion of 288CP
NEF4206	Advanced Engineering Design	Core	2B1	12	FP	NEF3101, NEE2204, Completion of 288CP
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 the above sequence pattern when enrolling units. Pre-requisite units must also be adhered to when requesting a manual enrolment.

Please note regarding NEF4101 Research project 1:

- Students must have completed NEF3202 Research Methods and selected a Capstone project prior to enrolment.
- Students must have completed 288 Credit points.
- Students must not enrol in NEF3202, NEF4101 or NEF4102 in the same semester.



VICTORIA UNIVERSITY

For further course information phone 1300 VICUNI/vu.edu.au
Victoria University CRICOS Provider No. 00124K (Melbourne), 02475D (Sydney and Brisbane)

This information is accurate as of October 5, 2026 and applies to students beginning during the specified intake period. It is provided for informational purposes only and does not constitute a contract between any individual and Victoria University. Students starting in a different intake or unable to follow the plan due to credit or other factors should consult their [Course and Unit Advisor](#) for enrolment assistance.