

COURSE DELIVERY PLAN 2027

Bachelor of Engineering (Honours) (Civil Engineering)

COURSE CODE: NHEC

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	https://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	Vincent Wang
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.

This information is current at the publication date: 23/09/2026. It is provided as information only and does not form part of a contract between any person and Victoria University.



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YEAR 1

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

YEAR 2

UNIT CODE	UNIT TITLE	UNIT TYPE	SEM	CREDIT POINTS	CAMPUS	PRE-REQUISITES
NEC2001	Mechanics of Materials	Core	1B1, 2B1	12	FP	
NEC2002	Sustainable Materials and Construction Practices	Core	1B2, 2B2	12	FP	NEF1004; or NEF1205; and NEC2001; or NEC2102
NEC2003	Structural Analysis and Design	Core	1B3, 2B3	12	FP	NEC2001; or NEC2102
NEC2004	Integrated Design Project 1	Core	1B4, 2B4	12	FP	NEC2002; and NEC2003, NEC2001; or NEC2102
NEC2005	Geospatial Engineering and Surveying	Core	1B1, 2B1	12	FP	NEF1005; or NEF1201
NEC2006	Geomechanics and the Environment	Core	1B2, 2B2	12	FP	NEC2001; or NEC2102
NEC2007	Geotechnical Infrastructure Design	Core	1B3, 2B3	12	FP	NEC2006
NEC2008	Integrated Design Project 2	Core	1B4, 2B4	12	FP	NEC2005; and NEC2006; and NEC2007

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YEAR 3

UNIT CODE	UNIT TITLE	UNIT TYPE	SEM	CREDIT POINTS	CAMPUS	PRE-REQUISITES
NEC3001	Fluid Mechanics	Core	1B1, 2B1	12	FP	NEF1002; and NEF1005; and NEF1105; or NEM1001
NEC3002	Hydrology and Water Resources	Core	1B2, 2B2	12	FP	NEC3001; or NEF2101
NEC3003	Hydraulic Engineering	Core	1B3, 2B3	12	FP	NEC3001; or NEF2101; and NEC3002; or NEC3103
NEC3004	Integrated Design Project 3	Core	1B4, 2B4	12	FP	NEC3002; or NEC3103, NEC3003
NEC3005	Highway Systems and Pavement Engineering	Core	1B1, 2B1	12	FP	NEC2005
NEC3006	Transport Engineering and Planning	Core	1B2, 2B2	12	FP	NEC3005; and
NEC3007	Environmental Engineering and Management	Core	1B3, 2B3	12	FP	NEC3003; or NEC3201
NEC3008	Integrated Design Project 4	Core	1B4, 2B4	12	FP	NEC3005; and NEC3006; and NEC3007

YEAR 4

UNIT CODE	UNIT TITLE	UNIT TYPE	SEM	CREDIT POINTS	CAMPUS	PRE-REQUISITES
NEC4001	Integrated Design Project 5	Core	8WB1, 8WB3	24	FP	NEC2003, NEC3004
NEC4002	Integrated Design Project 6	Core	8WB2, 8WB4	24	FP	NEC2004; and NEC2008; and NEC3004; and NEC3005
NEC4901	Research Project	Core	2B1	48	FP	

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