

COURSE DELIVERY PLAN 2027

Bachelor of Information Technology

COURSE CODE: NBIT

1B1 Intake

CAMPUS	Footscray Park (FP)
COLLEGE	College of Arts, Business, Law, Education and IT
STUDY MODE	Full Time or Part Time
DURATION	3 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 Information Technology, students will be required to complete 288 credit points consisting of: • 96 credit points of First Year Core studies; • 48 credit points of Graduating Core studies; • 96 credit points of Major studies*; • 48 credit points of Minor studies (discipline). Majors: • NMANSC Network and System Computing • NMAWMD Web and Mobile Application Development Minors: • NMIANM Network Management • NMIASD Software Development
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	Khandakar Ahmed Csaba Veres
COURSE ADVICE	AskUA 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.

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VICTORIA UNIVERSITY

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

COURSE DELIVERY PLAN 2027

YEAR 1

UNIT CODE	UNIT TITLE	UNIT TYPE	SEM	CREDIT POINTS	CAMPUS	PRE-REQUISITES
NIT1102	Introduction to Programming (Replaces NIT1103 Communication and Information Management)	Core	1B1, 1B3, 2B1, 2B3	12	FP	
NIT1001	Introduction to Data Science	Core	1B2	12	FP	NIT1102
NIT1104	Computer Networks	Core	1B3, 2B2	12	FP	
NIT1101	Web Development and CMS	Core	1B1, 1B4	12	FP	
NIT1202	Operating Systems	Core	1B4, 2B1	12	FP	
NIT1201	Introduction to Database Systems	Core	1B1, 1B3, 2B2	12	FP	BCO1102
NIT1002	Introduction to Cyber Security (Replaces NIT1204 Web Application and Server Management)	Core	2B2, 2B3	12	FP	NIT1104
NIT1203	Introduction to Project Management	Core	2B4	12	FP	

Students should be enrolling in the above sequence patterns only. Unit offerings have been created by your discipline for your specific course. If the unit quota is full, please contact [AskCUA](#) for course advice

Major Option One: NMANSC - Network and System Computing	Major Option Two: NMAWMD - Web and Mobile Application Development
Minor Selection- Choose Between: - NMIASD - Software Development - NMIICT - ICT Management	Minor Selection- Choose Between: - NMIANM - Network Management - NMIICT - ICT Management
Mandatory Minor: Graduating Core NMIITC	Mandatory Minor: Graduating Core NMIITC



COURSE DELIVERY PLAN 2027

IT MAJORS

Network and System Computing NMANSC

This major provides students with advanced knowledge and skills in network and system computing through an integrated set of units in networking and network management. It builds on the Bachelor of Information Technology foundations including computer networks, programming, database systems and operating systems. Students will study server management, enterprise network management, routing and switching, IPv6, mobile and wireless networks, network design, Internet of Things, network security and virtualisation. It will prepare students for Microsoft and Cisco certificates like Microsoft Server Administration, Microsoft Active Directory, Microsoft HyperV, CCNA, CCNA Wireless and CCNA Security. Furthermore, they will apply practical and contemporary technologies to develop solutions to real world problems in their capstone final year projects.

UNIT CODE	UNIT TITLE	UNIT TYPE	SEM	CREDIT POINTS	CAMPUS	PRE-REQUISITES
NIT2001	Autonomous Server Operations and Optimisation (Replaces NIT2122 Server Administration and Management)	Major	1B2, 1B4	12	FP	NIT1202
			1B2, 1B3, 1B4		ORT	
NIT2007	Intelligent Cloud Systems and Architectures (Replaces NIT2103 Cloud Computing)	Major	2B1	12	FP	NIT1102; and NIT1104
			2B4		ORT	
NIT2124	Network Management	Major	1B1, 1B4	12	FP	NIT1104
NIT2222	Networking Technologies	Major	2B2, 2B4	12	FP	NIT1104
			2B3, 2B4		ORT	
NIT3006	Advanced Network Security	Major	1B3	12	ORT	NIT2102 and NIT2222
NIT3005	Advanced Technologies in Networking	Major	1B1	12	ORT	NIT2222
NIT3203	Software Development and IT Operations	Major	2B2, 2B3	12	ORT	NIT2103 or NIT2213
NIT3222	Virtualisation in Computing	Major	2B1, 2B3	12	FP	NIT2122 or NIT2222
			2B2, 2B3		ORT	



COURSE DELIVERY PLAN 2027

Web and Mobile Application Development NMAWMD

This major provides students with advanced knowledge and skills in web and mobile application development through an integrated set of units in web and mobile application development. It builds on the Bachelor of Information Technology foundations including computer networks, programming, database systems and operating systems. Students will study object oriented programming, software engineering, web programming, mobile app programming, cloud app programming and database systems. Furthermore, they will apply practical and contemporary technologies to develop solutions to real world problems in their capstone final year projects.

UNIT CODE	UNIT TITLE	UNIT TYPE	SEM	CREDIT POINTS	CAMPUS	PRE-REQUISITES
NIT2004	OOP Programming with Gen AI Co Pilot (Replaces NIT2112 Object Oriented Programming)	Major	1B1, 1B2	12	FP	NIT1102
			1B2		ORT	
NIT2006	AI Driven Software Engineering with Structured Prompting (Replaced NIT2113 Software Engineering)	Major	2B1, 2B4	12	FP	
NIT2113	Cloud Application Development	Major	1B4	12	FP	NIT1102
			1B3		ORT	
NIT2202	Big Data	Major	2B1, 2B3	12	FP	NIT1102 or NIT1201
			2B1, 2B2, 2B4		ORT	
NIT3114	Online Business System Development	Major	1B1, 1B3	12	FP	NIT1203 or NIT2112 or NIT2213
			1B1		ORT	
NIT3112	Advance Web Application Development	Major	1B2	12	FP	
			1B3		ORT	
NIT3213	Mobile Application Development	Major	2B2, 2B3	12	FP	NIT2112 or NIT2213
NIT3202	Data Analytics for Cyber Security	Major	2B1, 2B3	12	FP	NIT2202 or NIT2007
			2B2		ORT	



COURSE DELIVERY PLAN 2027

MINORS:

Complete the Graduating Core Minor and select ONE (1) of the following Discipline Minors:

Graduating Core NMIITC

This minor provides students the opportunity to articulate the role of the IT profession within the local and global communities by bringing together the knowledge and skills acquired in earlier units and apply them to solve the real-world problems in Capstone IT projects. Students will also study core knowledge and skills such as security, ethics and other areas important for IT professionals.

UNIT CODE	UNIT TITLE	UNIT TYPE	SEM	CREDIT POINTS	CAMPUS	PRE-REQUISITES
NIT2003	Human-Centred Design (Replaces NIT2102 Cyber Security Essentials)	Minor	1B1, 1B3	12	FP	NIT1101 or NIT1102
			1B2		ORT	
NIT2201	IT Profession and Ethics	Minor	2B2, 2B3	12	FP	
			2B1		ORT	
NIT3003	IT Capstone Project 1	Minor	1B1, 1B4, 2B1, 2B4	12	FP	Completion of at least 144 credit points
NIT3004	IT Capstone Project 2	Minor	1B1, 1B4, 2B1, 2B4	12	FP	NIT3003

ICT Management NMIICT

The ICT management minor provides students the opportunity to explore the depth and breadth in planning, risk management and change control in small IT business. It is designed to equip students with the analytic, communication and project management skills to tame the IT-business interface. Furthermore, students will develop ICT service agreements to manage a collaborative relationship between an IT department and others. They will exhibit professional capacity to promote sustainable procurement practice, ensure the desired organizational outcomes and reduce administrative overheads.

UNIT CODE	UNIT TITLE	UNIT TYPE	SEM	CREDIT POINTS	CAMPUS	PRE-REQUISITES
NIT2171	Introduction to ICT Management	Minor	1B3	12	FP	
			1B4		ORT	
NIT2271	ICT Change Management	Minor	2B2	12	ORT	
NIT3171	ICT Business Analytics and Data Visualisation	Minor	1B1	12	FP	NIT2202 or NIT2103 and NIT2171 or NIT2271
			1B1, 1B3		ORT	
NIT3274	Small IT Business	Minor	2B1	12	FP , ORT	NIT2171 or NIT2271



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Software Development NMIASD

The minor prepares students for careers in software engineering. Students will be provided with broad and coherent knowledge in contemporary software modelling techniques and specialised software development technologies. Modules include object-oriented programming, web programming and mobile application development. Students will also have opportunity to work on a productive software development team by applying the core principles consistent in software design, construction and maintenance.

UNIT CODE	UNIT TITLE	UNIT TYPE	SEM	CREDIT POINTS	CAMPUS	PRE-REQUISITES
NIT2004	OOP Programming with Gen AI Co Pilot (Replaces NIT2112 Object Oriented Programming)	Minor	1B1, 1B2	12	FP	NIT1102
			1B2		ORT	
NIT2006	AI Driven Software Engineering with Structured Prompting (Replaced NIT2113 Software Engineering)	Minor	2B1, 2B4	12	FP	
NIT3112	Advance Web Application Development	Major	1B2	12	FP	
NIT3213	Mobile Application Development	Major	2B2, 2B3	12	FP	NIT2112 or NIT2213

Network Management NMIANM

The network management minor provides students with broad understanding of the operation, administration and maintenance of network systems. The students will study specialised and in depth technologies in network management, including routing algorithms and protocols, Network Address Translation (NAT), IPv6 networks, Microsoft server management, Microsoft enterprise network management and Microsoft HyperV virtualisation.

UNIT CODE	UNIT TITLE	UNIT TYPE	SEM	CREDIT POINTS	CAMPUS	PRE-REQUISITES
NIT2001	Autonomous Server Operations and Optimisation (Replaces NIT2122 Server Administration and Management)	Minor	1B2, 1B4	12	FP	NIT1202
			1B2, 1B3, 1B4		ORT	
NIT2222	Networking Technologies	Minor	2B2, 2B4	12	FP	NIT1104
			2B3, 2B4		ORT	
NIT3005	Advanced Technologies in Networking	Major	1B1	12	ORT	NIT2222
NIT3222	Virtualisation in Computing	Minor	2B1, 2B3	12	FP	NIT2122 or NIT2222
			2B2, 2B3		ORT	

