

COURSE DELIVERY PLAN 2027

Bachelor of Information Technology (Professional)

COURSE CODE: NBIP

1B1 Intake

CAMPUS	Footscray Park (FP)
COLLEGE	College of Arts, Business, Law, Education and IT
STUDY MODE	Full Time or Part Time
DURATION	3.5 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 (Professional) students will be required to complete 336 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; • 2 x 48 credit points of Industry Placement studies.
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	Ayman Ibaida Khandakar Ahmed
COURSE ADVICE	AskCUA 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: 2/10/2026. 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
NIT1102	Introduction to Programming	Core	1B1	12	FP	
NIT1001	Introduction to Data Science (Replaces NIT1103 Communication and Information Management)	Core	1B2	12	FP	NIT1102
NIT1104	Computer Networks	Core	1B3	12	FP	
NIT1101	Web Development and CMS	Core	1B4	12	FP	
NIT1202	Operating Systems	Core	2B1	12	FP	
NIT1201	Introduction to Database Systems	Core	2B2	12	FP	
NIT1002	Introduction to Cyber Security (Replaces NIT1204 Web Application and Server Management)	Core	2B3	12	FP	NIT1104
NIT1203	Introduction to Project Management	Core	2B4	12	FP	

YEAR 2

UNIT CODE	UNIT TITLE	UNIT TYPE	SEM	CREDIT POINTS	CAMPUS	PRE-REQUISITES
	Major 1 - Unit 1	Major		12		
	Major 1 - Unit 2	Major		12		
	Major 1 - Unit 3	Major		12		
	Major 1 - Unit 4	Major		12		
	Major 1 - Unit 5	Major		12		
	Major 1 - Unit 6	Major		12		
	Major 1 - Unit 7	Major		12		
	Major 1 - Unit 8	Major		12		



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YEAR 3

UNIT CODE	UNIT TITLE	UNIT TYPE	SEM	CREDIT POINTS	CAMPUS	PRE-REQUISITES
	Minor 1 - Unit 1	Minor		12		
	Minor 1 - Unit 2	Minor		12		
	Minor 1 - Unit 3	Minor		12		
	Minor 1 - Unit 4	Minor		12		
NIT3001	IT Professional 1	Core	1, 2	48	FP	Eight first year units, six major units and two graduating core minor units
NIT3002	IT Professional 2	Core	1,2	48	FP	NIT3001

List of compulsory minor/s available in this course

NMIITC - Graduating Core

List of major/s available in this course

NMAWMD - Web and Mobile Application Development

NMANSC - Network and System Computing



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MAJORS:

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	
NIT3213	Mobile Application Development	Major	2B2, 2B3	12	FP	NIT2112 or NIT2213
NIT3112	Advance Web Application Development	Major	1B2	12	FP	
			1B3	12	ORT	NIT2112 and NIT2213
NIT3202	Data Analytics for Cyber Security	Major	2B1, 2B3	12	FP	NIT2202 or NIT2007
			2B2		ORT	



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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	



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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



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