

# COURSE DELIVERY PLAN 2024

## Bachelor of Information Technology (Professional)

COURSE CODE: NBIP

<b>CAMPUS</b>	Footscray Park (FP)
<b>COLLEGE</b>	College of Engineering and Science
<b>STUDY MODE</b>	Full Time or Part Time
<b>DURATION</b>	3.5 years Full Time or Part Time equivalent
<b>FEE TYPE</b>	For information on course fees, refer to <a href="http://vu.edu.au/fees">http://vu.edu.au/fees</a>
<b>APPLICATION METHOD</b>	VTAC - <a href="https://vtac.edu.au">https://vtac.edu.au</a> Direct Application - <a href="https://gotovu.custhelp.com/app/landing">https://gotovu.custhelp.com/app/landing</a>
<b>TIMETABLE</b>	<a href="http://vu.edu.au/timetables">vu.edu.au/timetables</a>
<b>COURSE REQUIREMENTS</b>	To attain the Bachelor of Information Technology (Professional) students will be required to complete 336 credit points consisting of: <ul style="list-style-type: none"><li>• 96 credit points of First Year Core studies;</li><li>• 48 credit points of Graduating Core studies;</li><li>• 96 credit points of Major studies;</li><li>• 2 x 48 credit points of Industry Placement studies.</li></ul>
<b>FURTHER INFORMATION</b>	Unit and course information is available from the University course search site at <a href="http://vu.edu.au/course-search">http://vu.edu.au/course-search</a> or go to <a href="https://askvu.vu.edu.au">https://askvu.vu.edu.au</a> or Phone VUHQ on 03 9919 6100
<b>COURSE CHAIR</b>	Ayman Ibaida Khandakar Ahmed
<b>COURSE ADVICE</b>	<a href="#">AskCUA</a>

**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: 20/10/2022. It is provided as information only and does not form part of a contract between any person and Victoria University.



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# COURSE DELIVERY PLAN 2024

## YEAR 1

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

Students commencing in **Semester 2, Block 1 (2B1)** should enrol as per the below sequence pattern:

- 2B1 – NIT1102 - Introduction to Programming
- 2B2 – NIT1101 - Web Development and CMS
- 2B3 – NIT1204 - Web Application and Server Management
- 2B4 – NIT1203 - Introduction to Project Management

In 2025, you enrol:

- 1B1 – NIT1201 - Introduction to Database Systems
- 1B2 – NIT1103 - Communication and Information Management
- 1B3 – NIT1104 - Computer Networks
- 1B4 – NIT1202 - Operating Systems

**Students must adhere to the above sequence patterns when enrolling units.**



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# COURSE DELIVERY PLAN 2024

List of compulsory minor/s available in this course

NMIITC      Graduating Core

List of major/s available in this course (students need to pick one of these Majors only)

NMAWMD      Web and Mobile Application Development

NMANSC      Network and System Computing

## 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
NIT2112	Object Oriented Programming	Major	1B1, 1B2	12	FP	NIT1102
NIT2113	Cloud Application Development	Major	1B3, 1B4	12	FP	NIT1102; or BCO1102
NIT2202	Big Data	Major	2B1, 2B3, 2B4	12	FP	NIT1102; or NIT1201
NIT2213	Software Engineering	Major	2B1, 2B4	12	FP	
NIT3112	Advance Web Application Development	Major	1B2, 1B3	12	FP	NIT2112; and NIT2213
NIT3114	Online Business System Development	Major	1B1, 1B3 2B2	12	FP	NIT1204; or NIT2112; or NIT2213
NIT3202	Data Analytics for Cyber Security	Major	1B2, 2B1, 2B2	12	FP	NIT2102; and NIT2202
NIT3213	Mobile Application Development	Major	2B2, 2B3	12	FP	NIT2112; or NIT2213

Year 2 – NIT2

Year 3 – NIT 3



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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
NIT2122	Server Administration and Management	Major	1B2, 1B4	12	FP	NIT1202
NIT2124	Network Management	Major	1B4		FP	NIT1104
NIT2202	Big Data	Major	2B1, 2B3, 2B4	12	FP	NIT1102; or NIT1201
NIT2222	Networking Technologies	Major	2B1, 2B2, 2B4	12	FP	NIT1104
NIT3114	Online Business System Development	Major	1B1, 1B2, 2B2	12	FP	NIT1204; or NIT2112; or NIT2213
NIT3122	Enterprise Network Management	Major	1B3	12	FP	NIT2122
NIT3202	Data Analytics for Cyber Security	Major	2B1	12	FP	NIT2102; and NIT2202
NIT3222	Virtualisation in Computing	Major	1B2, 2B1, 2B2	12	FP	NIT2122; or NIT2222

Year 2 – NIT2

Year 3 – NIT3



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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
NIT2102	Cyber Security Essentials	Minor	1B1, 1B2, 1B3	12	FP	NIT1104
NIT2201	IT Profession and Ethics	Minor	2B1, 2B2, 2B3	12	FP	
NEF3001	Applied Project 1	Minor	1B1, 1B4, 2B4	12	FP	
NEF3002	Applied Project 2	Minor	1B1, 2B1, 2B4	12	FP	NEF3001

Year 2 – NIT2

Year 3 – NIT3

## INDUSTRY PLACEMENT UNITS

UNIT CODE	UNIT TITLE	UNIT TYPE	SEM	CREDIT POINTS	CAMPUS	PRE-REQUISITES
NIT3001	IT Professional 1	Core	1, 2	48	FP	
NIT3002	IT Professional 2	Core	1, 2	48	FP	NIT3001



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