

# COURSE DELIVERY PLAN 2024

## Bachelor of Data Science

COURSE CODE: NBDS

<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 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 award of Bachelor of Data Science students will be required to complete <ul style="list-style-type: none"><li>• 288 credit points of core units.</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>	Bo Li
<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	
NIT1101	Web Development and CMS	Core	1B3	12	FP	
NIT1103	Communication and Information Management	Core	1B2	12	FP	
NIT1104	Computer Networks	Core	1B4	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 commencing in **Semester 2, Block 3 (2B3)** should enrol as per the below sequence pattern:

- 2B3 – NIT1102 - Introduction to Programming
- 2B4 – NIT1203 - Introduction to Project Management

In 2025, you enrol:

- 1B1 – NIT1201 - Introduction to Database Systems
- 1B2 – NIT1103 - Communication and Information Management
- 1B3 – NIT1101 - Web Development and CMS
- 1B4 – NIT1104 - Computer Networks

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



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# COURSE DELIVERY PLAN 2024

## YEAR 2

UNIT CODE	UNIT TITLE	UNIT TYPE	SEM	CREDIT POINTS	CAMPUS	PRE-REQUISITES
NIT2113	Cloud Application Development	Core	1B1	12	FP	NIT1102
NIT2151	Fundamentals of Data Science	Core	1B2	12	FP	NIT1102
NIT2171	Introduction to ICT Management	Core	1B3	12	FP	
NIT2112	Object Oriented Programming	Core	1B4	12	FP	
NIT2213	Software Engineering	Core	2B1	12	FP	
NIT2251	Machine Learning and Data Mining	Core	2B2	12	FP	NIT1102
NIT2201	IT Profession and Ethics	Core	2B3	12	FP	
NIT2202	Big Data	Core	2B4	12	FP	NIT1102 or NIT1201

## YEAR 3

UNIT CODE	UNIT TITLE	UNIT TYPE	SEM	CREDIT POINTS	CAMPUS	PRE-REQUISITES
NEF3001	Applied Project 1	Core	1B1	12	FP	
NIT3151	Predictive Analysis	Core	1B2	12	FP	NIT2151; and NIT2251
NIT3114	Online Business System Development	Core	1B3	12	FP	NIT1204; or NIT2112; or NIT2213
NIT3171	ICT Business Analytics and Data Visualisation	Core	1B4	12	FP	NIT2202 and NIT2171; or NIT2271
NIT3202	Data Analytics for Cyber Security	Core	2B1	12	FP	NIT2102; and NIT2202
NIT3213	Mobile Application Development	Core	2B2	12	FP	NIT2112; or NIT2213
NIT3251	Advanced Data Science	Core	2B3	12	FP	NIT2151; and NIT2251
NEF3002	Applied Project 2	Core	2B4	12	FP	NEF3001

Students should try to adhere to the above sequence patterns when enrolling units as this sequence will allow you to complete all required units.



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