

# COURSE DELIVERY PLAN 2027

## Bachelor of Data Science

COURSE CODE: NBDS

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 <a href="http://vu.edu.au/fees">http://vu.edu.au/fees</a>                                                                                                                                                                  |
| APPLICATION METHOD  | VTAC - <a href="https://vtac.edu.au">https://vtac.edu.au</a><br>Direct Application - <a href="https://gotovu.custhelp.com/app/landing">https://gotovu.custhelp.com/app/landing</a>                                                                                  |
| TIMETABLE           | <a href="http://vu.edu.au/timetables">vu.edu.au/timetables</a>                                                                                                                                                                                                      |
| COURSE REQUIREMENTS | 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>                                                                                              |
| FURTHER INFORMATION | 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 |
| COURSE CHAIR        | Bo Li<br>Khandakar Ahmed                                                                                                                                                                                                                                            |
| COURSE ADVICE       | AskCUA <a href="https://askvu.vu.edu.au/app/askcua">https://askvu.vu.edu.au/app/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: 14/09/2026. It is provided as information only and does not form part of a contract between any person and Victoria University.



**VICTORIA UNIVERSITY**

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

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# COURSE DELIVERY PLAN 2027

## 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<br>(Replaces NIT1103<br>Communication and Information<br>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<br>(Replaced NIT1204 Web<br>Application and Server<br>Management)  | Core      | 2B3 | 12            | FP     | NIT1104        |
| NIT1203   | Introduction to Project<br>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



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# COURSE DELIVERY PLAN 2027

## YEAR 2

| UNIT CODE | UNIT TITLE                                                                                          | UNIT TYPE | SEM | CREDIT POINTS | CAMPUS | PRE-REQUISITES     |
|-----------|-----------------------------------------------------------------------------------------------------|-----------|-----|---------------|--------|--------------------|
| NIT2005   | Quantitative Analysis<br>(Replaced NIT2113 Cloud Application Development)                           | Core      | 1B1 | 12            | FP     | NIT1001 or NIT1201 |
| NIT2004   | OOP Programming with Gen AI Co Pilot<br>(Replaced NIT2112 Object Oriented Programming)              | Core      | 1B2 | 12            | FP     | NIT1102            |
| NIT2003   | Human-Centred Design<br>(Replaced NIT2171 Introduction to ICT Management)                           | Core      | 1B3 | 12            | FP     | NIT1101 or NIT1102 |
| NIT2002   | Data Science Methods and Applications<br>(Replaced NIT2151 Fundamentals of Data Science)            | Core      | 1B4 | 12            | FP     | NIT1001 or NIT1102 |
| NIT2006   | AI Driven Software Engineering with Structured Prompting<br>(Replaced NIT2213 Software Engineering) | Core      | 2B1 | 12            | FP     |                    |
| NIT2202   | Big Data                                                                                            | Core      | 2B2 | 12            | FP     | NIT1102 or NIT1201 |
| NIT2201   | IT Profession and Ethics                                                                            | Core      | 2B3 | 12            | FP     |                    |
| NIT2251   | Machine Learning and Data Mining                                                                    | Core      | 2B4 | 12            | FP     | NIT1001 or NIT1102 |



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# COURSE DELIVERY PLAN 2027

## YEAR 3

| UNIT CODE | UNIT TITLE                                    | UNIT TYPE | SEM | CREDIT POINTS | CAMPUS | PRE-REQUISITES                            |
|-----------|-----------------------------------------------|-----------|-----|---------------|--------|-------------------------------------------|
| NIT3171   | ICT Business Analytics and Data Visualisation | Core      | 1B1 | 12            | FP     | NIT2202 or NIT2103 and NIT2171 or NIT2271 |
| NIT3151   | Predictive Analysis                           | Core      | 1B2 | 12            | FP     | NIT2151 and NIT2251                       |
| NIT3114   | Online Business System Development            | Core      | 1B3 | 12            | FP     | NIT1204 or NIT2112 or NIT2213             |
| NIT3003   | IT Capstone Project 1                         | Core      | 1B4 | 12            | FP     | Completion of at least 144 credit points  |
| NIT3202   | Data Analytics for Cyber Security             | Core      | 2B1 | 12            | FP     | NIT2102 and NIT2202 or NIT2103            |
| NIT3213   | Mobile Application Development                | Core      | 2B2 | 12            | FP     | NIT2112 or NIT2213                        |
| NIT3251   | Advanced Data Science                         | Core      | 2B3 | 12            | FP     | NIT2151 and NIT2251                       |
| NIT3004   | IT Capstone Project 2                         | Core      | 2B4 | 12            | FP     | NIT3004                                   |

Please be advised that this course is currently in transition, third-year units will be updated in 2028.



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