

Bachelor of Data Science

Course code: NBDS

Course Requirements

To attain the award of Bachelor of Data Science students will be required to complete

- 288 credit points of core units.

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.

Credit Points

A credit point is used to measure the study load for a unit. A standard unit consists of 12 credit points, with each completed unit's credit points adding up to meet your required total of credit points to complete your course.

Capstone Units

This course includes capstone units, which are third-year level units that are completed at the end of your last year of study. They involve demonstrating the skills and knowledge you have acquired through your course, usually through a large research project or an internship. They have the study load of 2 units, and are worth 24 credit points upon completion.

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

Campus

Footscray Park (FP)

College

College of Engineering and Science

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 Chair

Bo Li

Course Advice

AskCUA - <https://askvu.vu.edu.au/app/askcua>

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	1B2	12	FP	
NIT1103	Communication and Information Management	Core	1B3	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 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

Student commencing in Semester 1, Block 3 (1B3) should enrol as per below sequence pattern:

1B3 - NIT1102 - Introduction to Programming
1B4 - NIT1104 - Computer Networks
2B1 - NIT1202 - Operating Systems
2B2 - NIT1101 - Web Development and CMS
2B3 - NIT1203 - Introduction to Project Management
2B4 - NIT1204 - Web Application and Server Management (requires the completion of NIT1101)

Prerequisites

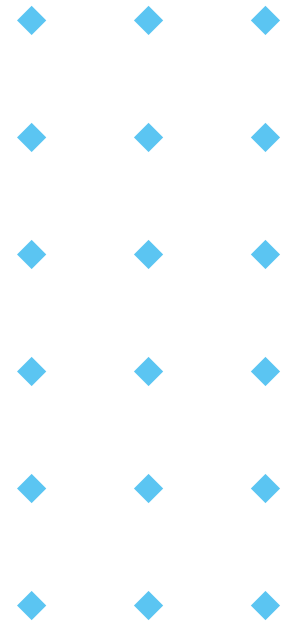
A number of units within the degree have 'prerequisites'. These prerequisites must be met before enrolment in the unit is permitted. Generally these prerequisites require the successful completion of a unit or units taken at an earlier stage in the course. Students should pay particular attention to these prerequisite requirements as failure to meet these can seriously hinder progression through the course.

Core

A unit that must be completed

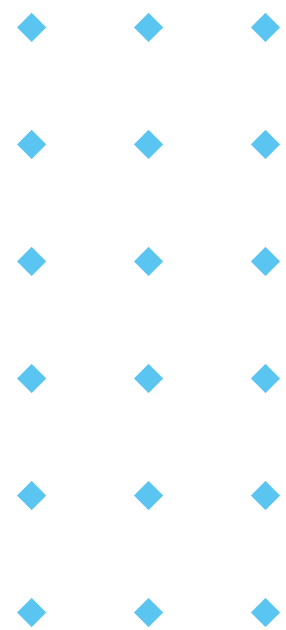
Year 2

Unit Code	Unit Title	Unit Type	Sem	Credit Points	Campus	Pre-Requisites
NIT2171	Introduction to ICT Management	Core	1B1	12	FP	
NIT2112	Object Oriented Programming	Core	1B2	12	FP	
NIT2113	Cloud Application Development	Core	1B3	12	FP	NIT1102
NIT2151	Fundamentals of Data Science	Core	1B4	12	FP	NIT1102
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	NIT1102



Year 3

Unit Code	Unit Title	Unit Type	Sem	Credit Points	Campus	Pre-Requisites
NIT3151	Predictive Analysis	Core	1B1	12	FP	NIT2151 and NIT2251
NIT3114	Online Business System Development	Core	1B2	12	FP	NIT1204 or NIT2112 or NIT2213
NIT3171	ICT Business Analytics and Data Visualisation	Core	1B3	12	FP	NIT2202 and NIT2171 or NIT2271
NEF3001	IT Capstone Project 1 <small>REPLACED UNIT NIT3003</small>	Core	1B4	12	FP	
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
NIT3004	IT Capstone Project 2 <small>REPLACED UNIT NIT3002</small>	Core	2B4	12	FP	NIT3003 or NEF3001



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International students should not be enrolling units as Online, unless there is no other delivery mode available.