BACHELOR OF APPLIED DATA SCIENCE (3770)

Approved Abbreviation: BAppDataSc
Western Sydney University Program Code: 3770
AQF Level: 7

CRICOS Code: 105990F

This program applies to students who commenced in 2021 or later.

Students should follow the program structure for the session start date relevant to the year they commenced.

For commencement year 2016 - 2020, please refer to: 3734.1 Bachelor of Data Science (http://handbook.westernsydney.edu.au/hbook/course.aspx?course=3734.1)

The Bachelor of Applied Data Science is not a stand-alone program, but is designed to be undertaken as a bolt-on in combination with any bachelor degree. In order to graduate with a Bachelor of Applied Data Science, students must have completed all requirements from their first bachelor's degree, as well as the 80 credit points required for this program. Hence students in a three-year bachelor degree wishing to enrol into this program must complete a total of 320 credit points (240 credit points from first degree plus 80 credit points for the bolt-on). Likewise, students in a four-year bachelor degree wishing to enrol into this program must complete a total of 400 credit points (320 credit points for the first degree plus 80 credit points for the bolt-on).

Digital data plays an increasingly important role in many areas of endeavour. Extracting information from data has become a science in itself – Data Science. Graduates from many disciplines, will benefit from skills in Data Science. This program teaches a blend of skills from mathematics, statistics and computing, Graduates will know how to embark on data driven investigations, and conduct visual and computational analytics for application in their own primary discipline.

Study Mode

Four years for students completing a three-year Western Sydney Bachelor degree and the Bachelor of Applied Data Science. Five years for students completing a four-year Western Sydney Bachelor degree and the Bachelor of Applied Data Science.

Program Advice

Dr Laurence Park (l.park@westernsydney.edu.au)

Location

Campus	Attendance	Mode	Advice
Parramatta Campus - Victoria Road	Full Time	Internal	See above
Parramatta Campus - Victoria Road	Part Time	Internal	See above
Vietnam Campus*	Full Time	Internal	See above

* Programs delivered through an agreement with another party

Admission

Recommended studies: Mathematics, Computing/IT

Assumed knowledge required: Mathematics equivalent to 2 Unit HSC

To be eligible for admission, a student must attain a minimum ATAR of 75, or the equivalent rank for their primary undergraduate degree.

For current Western Sydney University students wishing to enrol please complete the Concurrent Degree Form.

Concurrent Degree Form (https://wsu.service-now.com/student/?id=wsu_cat_item&sys_id=b95978cedbb258504f58e43405961903&sysparm_categ

Applications from Australian and New Zealand citizens and holders of permanent resident visas may be made via the Universities Admissions Centre (UAC) or directly through the Western Portal. Use the links below to apply via UAC or Western Sydney University. Applications made directly to Western Sydney do not have an application fee.

http://www.uac.edu.au/
https://westernsydney.uac.edu.au/ws/

Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Local applicants who are applying through the Universities Admissions Centre (UAC) will find details of minimum English proficiency requirements and acceptable proof on the UAC website. Local applicants applying directly to the University should also use the information provided on the UAC website.

International students currently completing an Australian Year 12 in or outside Australia, an International Baccalaureate in Australia or a New Zealand National Certificate of Educational Achievement (NCEA) level 3 must apply via UAC International.

http://www.uac.edu.au/

All other International applicants must apply directly to the University via the International Office.

International students applying to the University through the International Office can find details of minimum English proficiency requirements and acceptable proof on their website.

International Office (http://www.westernsydney.edu.au/international/)

Overseas qualifications must be deemed by the Australian Education International - National Office of Overseas Skills Recognition (AEI-NOOSR) to be equivalent to Australian qualifications in order to be considered by UAC and Western Sydney University.

Special Requirements Prerequisites

Students must have completed all requirements for another bachelors degree in order to graduate with the Bachelor of Applied Data Science.

Program Structure

The Bachelor of Applied Data Science is not a stand-alone degree, but is designed to be undertaken in combination with any Western Sydney bachelor degree. The standard study duration for both degrees would be:

- Four years for students completing a three-year Western Sydney Bachelor degree and the Bachelor of Applied Data Science.
- Five years for students completing a four-year Western Sydney Bachelor degree and the Bachelor of Applied Data Science.

Recommend Sequence

Subject	Title	Credit Points
AUTUMN SESSION		
COMP 1014	Thinking About Data	10

COMP 1013	Analytics Programming	10
COMP 2026	Visual Analytics	10
COMP 3002	Applications of Big Data	10
SPRING SESSION		
COMP 3020	Social Web Analytics	10
COMP 3035	Discovery Project	10
MATH 3007	Predictive Modelling	10
From Spring 2022 MATH 3007 Predictive Modelling is replaced by COMP 3032 Machine Learning		
COMP 3032	Machine Learning	10
COMP 2025	Introduction to Data Science	10

Equivalent Subjects

The subjects listed below count towards completion of this program for students who passed these subjects in 2021 or earlier.

MATH 1033 Thinking About Data, replaced by COMP 1014 Thinking About Data

MATH 1002 Analytics Programming, replaced by COMP 1013 Analytics Programming

MATH 2009 Introduction to Data Science, replaced by COMP 2025 Introduction to Data Science

MATH 2014 Visual Analytics, replaced by COMP 2026 Visual Analytics

MATH 3004 Discovery Project, replaced by COMP 3035 Discovery Project