

GRADUATE DIPLOMA IN DATA SCIENCE (3750)

Approved Abbreviation: GradDipDataSc

Western Sydney University Program Code: 3750

AQF Level: 8

CRICOS Code: 095723A

Program Status:

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 2017 to 2020 please refer to 3750.1 Graduate Diploma in Data Science (<http://handbook.westernsydney.edu.au/hbook/course.aspx?course=3750.1>)

Increasingly in the digital age data plays an important role in most, if not all, occupations. Extracting information from data has become a science in itself, blending skill sets from mathematics, statistics and computing. With a strong applications focus, this program provides a grounding in the nature of data and skills required to embark on data driven investigations.

Early Exit

Students may exit this program on completion of 40 credit points with a 3751 Graduate Certificate in Data Science (<https://hbook.westernsydney.edu.au/archives/2024-2025/programs/graduate-certificate-data-science/>)

Study Mode

One year full-time or two years part-time.

Program Advice

Program Advice (CDMS@westernsydney.edu.au)

Prospective students should visit the following websites for general enquiries about this program.

Enquire about this program (<https://enquiry.westernsydney.edu.au/courseenquiry/>) | Local Admission (<https://www.westernsydney.edu.au/future/>) | International Admission (<https://www.westernsydney.edu.au/international/home/apply/admissions/>) |

Location

Campus	Attendance	Mode	Advice	Credit Points
Parramatta Campus - Victoria Road	Full Time	Internal	See above	
Parramatta Campus - Victoria Road	Part Time	Internal	See above	
			Select two of the following	20
			COMP 7023 Predictive Analytics	
			COMP 7025 Social Media Intelligence	
			COMP 7006 Data Science	
			INFS 7007 Systems Analysis and Database Management Systems	
			COMP 7026 Data Engineering Fundamentals	
			Select two electives	20
			Elective subjects must be at Postgraduate Level 7	
			Total Credit Points	80

Admission

Applicants must have successfully completed an undergraduate degree, or higher, in any discipline.

Applicants seeking admission on the basis of work experience must support their application with a Statement of Service for all work experience listed on the application.

Statement of Service form (https://www.westernsydney.edu.au/content/dam/digital/pdf/Statement_of_Service.PDF)

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.

<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.

Program Structure Current

Qualification for this award requires the successful completion of 80 credit points which include the subjects listed below.

Subject	Title	Credit Points
Core Units		
COMP 7024	Programming for Data Science	10
MATH 7016	The Nature of Data	10
COMP 7003	Big Data	10
COMP 7016	Visualisation	10
Select two of the following		20
COMP 7023	Predictive Analytics	
COMP 7025	Social Media Intelligence	
COMP 7006	Data Science	
INFS 7007	Systems Analysis and Database Management Systems	
COMP 7026	Data Engineering Fundamentals	
Select two electives		20
Elective subjects must be at Postgraduate Level 7		
Total Credit Points		80

Program Structure 2021-Autumn 2024

Qualification for this award requires the successful completion of 80 credit points which include the subjects listed below.

Subject	Title	Credit Points
Core Units		
COMP 7024	Programming for Data Science	10

MATH 7016	The Nature of Data	10
COMP 7003	Big Data	10
COMP 7016	Visualisation	10
COMP 7006	Data Science	10
Select one of the following		10
COMP 7023	Predictive Analytics	
COMP 7025	Social Media Intelligence	
Select two electives		20
Elective subjects must be at Postgraduate Level 7		
Total Credit Points		80

Equivalent Subjects

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

MATH 7011 Predictive Analytics, replaced by COMP 7023 Predictive Analytics