Science

Bachelor of Data Science and Decisions (3959) - Handbook

2025 Commencing Students
Program Structure

Single Degree Mode

PROGRAM STRUCTURE				
	Data Science and Decisions courses	120 UOC (20 courses)	120 UOC	144 UOC (24 courses)
	Free Electives	12 UOC (2 courses)	24 UOC	
	General Education	12 UOC (2 courses)		

Science Electives are courses taken from within the Faculty of Science or as defined here

Free Electives are courses from any Faculty at UNSW including Science, but cannot be GEN-branded courses

General Education These courses cannot be Science, Engineering or Business courses. They must taken from courses that are not considered Science Electives.
Science students cannot take GENS courses under any circumstance

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Students in Single Degree Mode cannot complete more than 72 UoC of Level 1 courses including any GEN courses and Level 1 courses taken for General Education.

Information is correct as of 27/05/2024 and is based on proposed prerequisites and course availability. This is to be used as a guide only and does not replace individual advice. Refer to the Handbook and Class Timetable for the relevant term to check availability for these courses. Contact The Nucleus: Student Hub for further assistance. CRICOS Provider Code 00098G

Science

Bachelor of Data Science and Decisions (3959)

2025 Commencing Students

Click on the page number below to navigate to the approved Major sequence

Approved Major	Page
Business Data Science	3
Computational Data Science	4
Quantitative Data Science	5

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Science

Bachelor of Data Science and Decisions (3959)

2025 Commencing Students – Single Degree – Major in Business Data Science (ECONL1)

Choose from available proposed courses in each year

Year 1		
ECON1101 (T1, T2, T3, Summer)	DATA1001 (T2)	ECON2112 (T1, T3)
MATH1131 (T1, T2, T3) OR MATH1141 (T1, T3)	MATH1231 (T1, T2, T3) OR MATH1241 (T1, T2)	COMP1511 (T1, T2, T3)
6 UOC Free Elective	6 UOC General Education	

Year 2		
COMP2521 (T1, T2, T3)	MATH2501 (T2) OR MATH2601 (T2)	ECON2206 (T1, T3) OR MATH2831 (T3)
ECON2209 (T1)	MATH2801 (T2) OR MATH2901 (T2)	6 UOC Prescribed Elective (See Note 1)
6 UOC Free Elective	6 UOC General Education	

Year 3		
COMP3311 (T1, T3)	6 UOC Prescribed Elective (See Note 1)	DATA3001 (T3)
ECON3208 (T1, T3) OR ECON3210 (T2)	6 UOC Prescribed Elective (See Note 1)	ECON3203 (T3)
6 UOC Prescribed Elective (See Note 1)	6 UOC Prescribed Elective (See Note 1)	

NOTES

This is intended as a guide only. Courses do not need to be studied in the exact structure that they appear here.

See Program Structure on page 1 for a guide on the terminology and colour codes used in this progression plan.

Note 1: See Handbook for the full list of prescribed elective options.

Enrolment in COMP1511 is highly competitive with very limited positions. If you can't secure a position in Term 1, you should enrol in the course in Term 2 or Term 3. Completing COMP1511 in either term should not result in any delay in your progression.

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Science

Bachelor of Data Science and Decisions (3959)

2025 Commencing Students – Single Degree – Major in Computational Data Science (COMPZ1)

Choose from available proposed courses in each year

Year 1		
ECON1101 (T1, T2, T3, Summer)	DATA1001 (T2)	ECON2112 (T1, T3)
MATH1131 (T1, T2, T3) OR MATH1141 (T1, T3)	MATH1231 (T1, T2, T3) OR MATH1241 (T1, T2)	COMP1511 (T1, T2, T3)
MATH1081 (T1, T2, T3)	6 UOC Free Elective	

Year 2		
COMP2521 (T1, T2, T3, Summer)	MATH2501 (T2) OR MATH2601 (T2)	COMP3121 (T1, T2, T3)
6 UOC General Education	MATH2801 (T2) OR MATH2901 (T2)	6 UOC Prescribed Elective (See Note 1)
6 UOC Free Elective	COMP2041 (T2)	

Year 3		
COMP3311 (T1, T3)	COMP9313 (T2, T3)	DATA3001 (T3)
COMP9417 (T1, T2)	6 UOC Prescribed Elective (See Note 1)	ECON3203 (T3)
6 UOC Prescribed Elective (See Note 1)	6 UOC General Education	

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See Program Structure on page 1 for a guide on the terminology and colour codes used in this progression plan.

Note 1: Prescribed Electives: See the Computational Data Science Handbook page for the full list of prescribed elective options.

Enrolment in COMP1511 is highly competitive with very limited positions. If you can't secure a position in Term 1, you should enrol in the course in Term 2 or Term 3. Completing COMP1511 in either term should not result in any delay in your progression.

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Science

Bachelor of Data Science and Decisions (3959)

2025 Commencing Students – Single Degree – Major in Quantatitive Data Science (MATHE1)

Choose from available proposed courses in each year

Year 1		
ECON1101 (T1, T2, T3, Summer)	DATA1001 (T2)	ECON2112 (T1, T3)
MATH1131 (T1, T2, T3) OR MATH1141 (T1, T3)	MATH1231 (T1, T2, T3) OR MATH1241 (T1, T2)	COMP1511 (T1, T2, T3)
6 UOC Free Elective	6 UOC General Education	

Year 2		
COMP2521 (T1, T2, T3)	MATH2501 (T2) OR MATH2601 (T2)	MATH2831 (T3)
MATH2871 (T1)	MATH2801 (T2) OR MATH2901 (T2)	6 UOC Prescribed Elective (See Note 1)
6 UOC Free Elective	6 UOC Prescribed Elective (See Note 1)	

Year 3		
COMP3311 (T1, T3)	MATH3821 (T2)	DATA3001 (T3)
6 UOC Prescribed Elective (See Note 1)	6 UOC Prescribed Elective (See Note 1)	ECON3203 (T3)
6 UOC General Education		MATH3871 (T3)

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See Program Structure on page 1 for a guide on the terminology and colour codes used in this progression plan.

Note 1: Prescribed Electives: See the Quantatitive Data Science Handbook page for the full list of prescribed elective options.

Enrolment in COMP1511 is highly competitive with very limited positions. If you can't secure a position in Term 1, you should enrol in the course in Term 2 or Term 3. Completing COMP1511 in either term should not result in any delay in your progression.

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