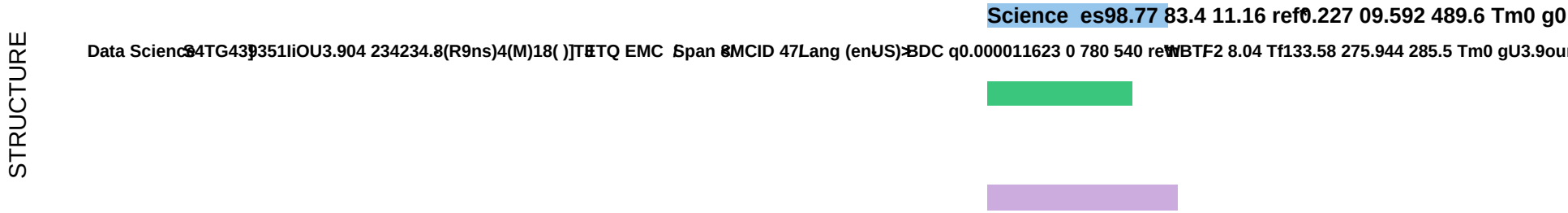
Science

Bachelor of Data Science and Decisions (3959) - Handbook



Information is correct as of 30/03/2023 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)

2022 Commencing Students Single Degree Major in Computational Data Science (COMPZ1)

Choose from available proposed courses in each year

Year 1		
COMP1511 Programming Fundamentals (T1, T2, T3)	ECON1101 Microeconomics 1 (T1, T2, T3, Summer)	COMP2521 Data Structures and Algorithms (T1, T2, T3)
MATH1131 (T1, T2, T3) or MATH1141 (T1, T3)	DATA1001 Introduction to Data Science and Decisions (T2)	MATH1231 (T1, T2, T3) or MATH1241 (T1, T2)
MATH1081 Discrete Mathematics (T1, T2, T3)	6 UOC Free Elective	

Year 2		
ECON2112 Game Theory and Business Strategy (T1)	MATH2501 (T2) OR MATH2601 (T2)	COMP3121 Algorithms and Programming Techniques (T1, T2, T3)
6 UOC Prescribed Elective (See Note 1)	MATH2801 (T2) OR MATH2901 (T2)	6 UOC Prescribed Elective (See Note 1)
6 UOC General Education	COMP2041 Software Construction: Techniques and Tools (T2)	

Year 3		
COMP3311 Database Systems (T1, T3)	COMP9313 Big Data Management (T2, T3)	DATA3001 Data Science and Decisions in Practice (T3)
COMP9417 Machine Learning and Data Mining (T1, T2)	6 UOC Prescribed Elective (See Note 1)	ECON3203 Econometric Theory and Methods (T3)
6 UOC Free Elective	6 UOC General Education	

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

Information is correct as of 30/03/2023 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