Bachelor of Advanced Science (Data Science)

Note: Students studying this major must select CP1401 and CP1404 within their course in order to satisfy prerequisites. Please refer to the course structure for details.

Useful study planning/enrolment resources:

Subject Search
Academic Calendars
Class Registration
Enrolment Resources

The information in the study planner is current at the time of creation may be subject to future change.

If you would prefer a part-time study plan, please adjust the below study planner; reviewing subject prerequisites to ensure you are on track for course completion.

2022		TEACHING PERIOD 2	
		Study Period 2	CH1020:03 Preparatory Chemistry **OR** Select 3 credit points of any level 1, 2, 3 or 5 subjects (if completed high school level Chemistry or equivalent)
		Study Period 2	MA1000:03 Mathematical Foundations *PREREQ: MA1020 or MA0020 or Maths B or Maths C or Admission to 116209 or 116409 or 116309*
		Study Period 2	**Major** MA1580:03 Foundations of Data Science *PREREQ: MA1000 or MA1020 or MA0020 or Maths B*
		Study Period 2	Elective **OR** Second Major Subject (depending on chosen structure) ***Recommended CP1404:03 Programming II (TR3)***

2023	TEACHING PERIOD 1		TEACHING PERIOD 2	
	Study Period 3	MA1003:03 Mathematical Techniques *PREREQ: MA1000 or MA1011 or MA1009*	Study Period 2	SC1109:03 Modelling Natural Systems- Advanced *PREREQ: MA1000 or MA1009*
	Study Period 1	SC1101:03 Science Technology and Truth	Study Period 2	Elective **OR** Second Major Subject (depending on chosen structure)
	Study Period 1	**Major** Select a Level 1, 2 or 3 Undergraduate subject	Study Period 2	Elective **OR** Second Major Subject (depending on chosen structure)
	Study Period 1	Elective **OR** Second Major Subject (depending on chosen structure) ***Recommended CP1401:03 Problem Solving and Programming 1 (TR1)***	Study Period 2	Elective **OR** Second Major Subject (depending on chosen structure)

		TEACHING PERIOD 1		TEACHING PERIOD 2
2024	Study Period 1	SC2209:03 Quantitative Methods in Science-Advanced *PREREQ: SC1109 and MA1003 plus 6 credit points of other Level 1 subjects*	Study Period 2	**Major** MA2405:03 Advanced Statistical Modelling *PREREQ: MA1401 or BZ2001 or MA2401 or SC2202 or SC2290 and MA1000*
	Study Period 1	**Major** Select 3 credit points of subjects from List 1	Study Period 2	**Major** MA3405:03 Statistical Data Mining for Big Data *PREREQ: MA2405 or MA2000 or SC2202 or SC2209*
	Study Period 1	**Major** Select 3 credit points of subjects from List 1	Study Period 2	**Major** MA3832:03 Neural Network and Deep Learning *PREREQ: MA3405 or MA5405 and CP1404* **OR** MA3212:03 Optimisation and Operations Research *PREREQ: MA2000 and (MA2210 or MA2201)*
	Study Period 1	Elective **OR** Second Major Subject (depending on chosen structure)	Study Period 2	Select 3 credit points of subjects from **List 1 (Advanced Skill Subjects)**

		TEACHING PERIOD 1	
2025	Study Period 1	SC3003:03 Science Research Internship *PREREQ: 15 credit points of AQ, BC, BS, BZ, CH, EV, EA, MA, PH or SC Science Level 2 subjects* **OR** SC3008:03 Professional Placement *PREREQ: Students must have successfully completed 12 second year credit points. Enrolment is restricted to student's with an approved placement*	
	Study Period 1	**Major** MA3831:03 Natural Language Processing, Web Scraping and Large Data Processing *PREREQ: CP1404 and MA3405*	
	Study Period 1	Elective **OR** Second Major Subject (depending on chosen structure)	
	Study Period 1	Elective **OR** Second Major Subject (depending on chosen structure)	

COURSE HANDBOOK

[Bachelor of Advance Science](#)

[Data Science](#)