

Bachelor of Science (Data Science)

Useful study planning/enrolment resources:

- [Course and Subject Handbook](#)
- [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.

Attention International Student visa holders: To remain compliant with your enrolments requirements as a Student visa holder you are required to enrol in at least one On-Campus, Multi-Modal or WIL subject offering in each compulsory study period and you cannot enrol in more than one third (33%) of your total course load through online or distance learning. To complete your course within your CoE duration students must maintain sufficient subject enrolment.

If there are only Online subject offerings for you to select in a compulsory study period, contact enrolments@jcu.edu.au urgently for enrolment advice.

Student Resources: If you require advice about your study plan, choosing electives, or which subjects to enrol in, please contact your major advisor or degree coordinator ([CSE Course and Major Advisors](#)). For information on available elective subject options please also refer to the Study Area guide ([2026 JCU STUDY AREA GUIDE — College of Science & Engineering](#)).

	TRIMESTER 1	TRIMESTER 2	TRIMESTER 3
2026	SC1101:03 Science, Technology and Truth	Elective subject from List 1 (Breadth Subjects) OR Second Major Subject <i>(Depending on chosen structure)</i>	SC1102:03 Modelling Natural Systems <i>PREREQ: MA1020 or MA0020 or Senior Mathematics or equivalent.</i> OR SC1109:03 Modelling Natural Systems-Advanced <i>PREREQ: MA1000 or MA1009</i>
	MA1020:03 Preparatory Mathematics <i>(or any Level 1, 2, 3 or 5 subject if already satisfied via previous study)</i>	Major MA1000:03 Mathematical Foundations <i>PREREQ: MA1020 or MA0020 or BR0202 or High school subjects: Mathematical Methods or Specialist Mathematics (or equivalent such as Maths B or Maths C)</i>	Major MA1580:03 Foundations of Data Science
	CH1020:03 Preparatory Chemistry <i>(or any Level 1, 2, 3 or 5 subject if already satisfied via previous study)</i>		Elective subject from List 1 (Breadth Subjects) OR Second Major Subject <i>(Depending on chosen structure)</i>

^Note: SC1109 is compulsory in the Advanced BSc Program and should be taken instead of SC1102 if you are considering that pathway.

	TRIMESTER 1	TRIMESTER 2	TRIMESTER 3
2027	<p>SC2202:03 Quantitative Methods in Science <i>PREREQ: SC1102 OR SC1109 or admission to Bachelor of Business and Environmental Science or admission to 116209, 116309 or 116409</i></p> <p>OR</p> <p>SC2209:03 Quantitative Methods in Science-Advanced <i>PREREQ: MA1003 and ((SC1109 plus 6 credit points of other Level 1 subjects) or admission in 116409)</i></p>	<p>Elective subject from List 2 (Skills Subjects)</p>	<p>Major</p> <p>MA2405:03 Advanced Statistical Modelling <i>PREREQ: MA1401 or BZ2001 or MA2401 or SC2202 or SC2209 and MA1000</i></p>
	<p>Major</p> <p>Select 3 credit points from List 1 Breadth Subjects <i>Data Science Major students must select CP1401- Problem Solving and Programming I</i></p>	<p>Elective OR Second Major Subject <i>(Depending on chosen structure)</i></p>	<p>Major</p> <p>MA3405:03 Statistical Data Mining for Big Data <i>PREREQ: MA2405 or MA2000 or SC2202 or SC2209</i></p>
	<p>Elective OR Second Major Subject <i>(Depending on chosen structure)</i></p>		<p>Major</p> <p>Select 3 credit points from List 1 Breadth Subjects <i>Data Science Major students must select CP1404- Programming II</i></p>

	TRIMESTER 1	TRIMESTER 2	TRIMESTER 3
2028	<p>Major</p> <p>MA3831:03 Natural Language Processing, Web Scraping and Large Data Processing <i>PREREQ: CP1404 and MA3405</i></p>	<p>Major</p> <p>MA3212:03 Optimisation and Operations Research <i>PREREQ: MA2000</i></p> <p>OR</p> <p>MA3832:03 Neural Network and Deep Learning <i>PREREQ: MA3405 or MA5405 and CP1404 or admission to BSc(Hons) 115809</i></p>	<p>SC3008:03 Professional Placement (TR1, TR2, TR3) <i>PREREQ: Students must have successfully completed 12 second year credit points.</i></p> <p>OR</p> <p>SC3003:03 Science Research Internship (TR1, TR2, TR3) <i>PREREQ: Admission to BAdvSc plus 15 credit points of AQ, BC, BS, BZ, CH, EV, EA, MA, MB, PH or SC Science Level 2 subjects. Students not admitted to BAdvSc must have 15 credit points of Science Level 2 subjects plus a GPA of 5.5 or above.</i></p>
	<p>Elective OR Second Major Subject <i>(Depending on chosen structure)</i></p>	<p>Select 3 credit points of any Level 1, 2, 3 or 5 subjects</p>	<p>Elective OR Second Major Subject <i>(Depending on chosen structure)</i></p>
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COURSE HANDBOOK

[Bachelor of Science](#)
[Data Science Major](#)