

## Bachelor of Advanced Science (Mathematics)

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 you are receiving US Federal Aid,** there are further compliance considerations. Please contact [financialaid@jcu.edu.au](mailto:financialaid@jcu.edu.au) to confirm compliance of your subject selections.

**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](#)).

Your plan may include subjects labelled with **\*Intensive on-campus requirements**. These subjects involve mandatory on-campus or fieldwork attendance with extended hours over a dedicated face-to-face period. Please check the face-to-face dates for the subject in the [subject handbook](#) and do not enrol in subjects with overlapping face-to-face dates. For more information, see the CSE Student Guide to Succeeding in Trimester 2 Intensives on the CSE [Student Resources](#) webpage.

	TRIMESTER 1	TRIMESTER 2	TRIMESTER 3
2026			<b>Major</b> Select 3 credit points of <a href="#">List 1</a> <b>(Breadth Subjects)</b>
			Elective <b>OR</b> Second Major Subject <i>(Depending on chosen structure)</i>
			Elective <b>OR</b> Second Major Subject <i>(Depending on chosen structure)</i>

	TRIMESTER 1	TRIMESTER 2	TRIMESTER 3
2027	SC1101:03 Science, Technology and Truth	CH1020:03 Preparatory Chemistry (any Level 1, 2, 3 or 5 subject if already satisfied via previous study)	MA1003:03 Mathematical Techniques <i>PREREQ: MA1000 OR MA1011 OR MA1009</i>
	MA1000:03 Mathematical Foundations <i>PREREQ: MA1020 OR MA0020 OR BR0202 OR High School Senior Mathematics Equivalent</i>	<b>Major</b> MA2211:03 Discrete Mathematics <i>PREREQ: Maths B or MA1020 or MA0020</i>	SC1109:03 Modelling Natural Systems-Advanced <i>PREREQ: MA1000 or MA1009</i>
	<b>Major</b> Select 3 credit points of <a href="#">List 1</a> ( <b>Breadth Subjects</b> )		Elective <b>OR</b> Second Major Subject <i>(Depending on chosen structure)</i>

	TRIMESTER 1	TRIMESTER 2	TRIMESTER 3
2028	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>	Elective <b>OR</b> Second Major Subject <i>(Depending on chosen structure)</i>	<b>Major</b> MA2210:03 Linear Algebra <i>PREREQ: MA1000</i>
	<b>Major</b> MA2000:03 Mathematics for Scientists and Engineers <i>PREREQ: MA1003</i>	Elective <b>OR</b> Second Major Subject <i>(Depending on chosen structure)</i>	<b>Major</b> MA3210:03 Probability and Stochastic Processes <i>PREREQ: MA2000</i>
	Elective <b>OR</b> Second Major Subject <i>(Depending on chosen structure)</i>		Elective <b>OR</b> Second Major Subject <i>(Depending on chosen structure)</i>

	TRIMESTER 1	TRIMESTER 2	TRIMESTER 3
2029	<b>Major</b> MA3211:03 Mathematical Modelling of Dynamic Systems <i>PREREQ: MA2000</i>	SC3008:03 Professional Placement (TR1, TR2, TR3) <i>PREREQ: 12 credit points of second year subjects</i> <b>OR</b> SC3003:03 Science Research Internship* (TR1, TR2, TR3) <i>PREREQ: 15 credit points of AQ, BC, BS, BZ, CH, EV, EA, MA, MB, PH or SC Science Level 2 subjects</i> <i>*Students must source a supervisor for their internship before enrolment</i>	
	Select 3 credit points of subjects from <a href="#">List 1</a> <b>(Advanced Skill Subjects)</b>	<b>Major</b> MA3212:03 Optimisation and Operations Research <i>PREREQ: MA2000</i>	
	Elective <b>OR</b> Second Major Subject <i>(Depending on chosen structure)</i>		

**COURSE HANDBOOK**

[Bachelor of Advanced Science](#)  
[Mathematics Major](#)