

Bachelor of Science (Chemistry) (Physics)

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.

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.

The College of Science and Engineering will be offering some subjects in Block 3 and Block 4 (see the [Academic Calendar](#) for Block 3 and 4 dates). International students must maintain enrolment in subjects across the whole Trimester 2 period (May - August) and can do this by enrolling in a combination of Block 3 and Block 4 subjects, and/or Trimester 2 subjects and full-time enrolment load in an academic year.

	TRIMESTER 1	TRIMESTER 2	TRIMESTER 3
2025	SC1101:03 Science Technology and Truth	Physics Major PH1005:03 Newtonian Physics <i>PREREQ: Maths B or MA1020 or MA0020 or MA1000 or MA1008. Allow concurrent for MA1000</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</i>
	Select any Level 1, 2 or 3 or 5 subject <i>*Students must select MA1000 Mathematical Foundations</i>	Chemistry Major CH1001:03 Chemistry: The Central Science <i>PREREQ: CH1020, CH0020 or EG1010 or High School Senior Chemistry</i>	Chemistry Major CH1002:03 Chemistry: Principles and Applications <i>PREREQ: CH1001 or CH1011</i>
		Select any Level 1, 2 or 3 or 5 subject <i>*Students must select MA1003 Mathematical Techniques</i>	Physics Major PH1007:03 Fundamental Physics <i>PREREQ: Maths B or equivalent or MA1020 or MA0020 and PH1005) or (Physics and Maths C)</i>

*Note: Students studying this major combination must have completed MA1020 and CH1020 or High School Mathematics and Chemistry on admission to the course.

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

	TRIMESTER 1	TRIMESTER 2	TRIMESTER 3
2026	SC2202:03 Quantitative Methods in Science <i>PREREQ: SC1102 or SC1109</i> OR SC2209:03 Quantitative Methods in Science-Advanced <i>PREREQ: SC1109 and MA1003 plus 6 credit points of other Level 1 subjects</i>	Chemistry Major CH2310:03 Organic Chemistry <i>PREREQ: CH1001 or CH1002</i>	Chemistry Major CH2103:03 Analytical Chemistry <i>PREREQ: CH1001 or CH1011</i>
	Chemistry Major CH2210:03 Inorganic Chemistry <i>PREREQ: CH1001 OR CH1002</i>	Physics Major PH2019:03 Electromagnetism and Optics <i>PREREQ: EG1012 or PH1005) and MA1003</i>	Physics Major PH2002:03 Classical Mechanics and Quantum Physics <i>PREREQ: MA1003 and PH1005 and (PH1006 or PH1007 or (EG1012 and EG1011))</i>
	Elective from List 2 (Skill Subjects) <i>*Students must select MA2000 Mathematics for Scientists and Engineers</i>		Select 3 credit points of any Level 1, 2, 3 or 5

	TRIMESTER 1	TRIMESTER 2	TRIMESTER 3
2027	Chemistry Major CH3210:03 Applications of Inorganic Chemistry <i>PREREQ: CH2210</i>	SC3008:03 Professional Placement (TR1, TR2, TR3) <i>PREREQ: 12 credit points of second year subjects. Restricted to students with an approved placement</i> OR 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 and a GPA of 5.5</i> <i>*Students must source a supervisor for their internship before enrolment</i>	Chemistry Major CH3310:03 Special Topics in Organic Chemistry <i>PREREQ: CH2310</i>
	Physics Major PH3021:03 Physics of the Earth, Solar System and Universe <i>PREREQ: PH1005 and (PH1007 or (EG1010 and EG1011 and EG1012))</i>	Physics Major PH3002:03 Advanced Quantum Physics <i>PREREQ: MA2000 and PH2002</i>	Chemistry Major CH3110:03 Special Topics in Analytical Chemistry <i>PREREQ: CH2103</i>
	Physics Major PH2048:03 Medicinal and Radiation Physics <i>PREREQ: MA1003 and PH1005 and (PH1007 or (EG1010 and EG1011 and EG1012))</i>		Physics Major PH3008:03 Statistical Mechanics and Transport <i>PREREQ: MA2000 and PH1005 and (PH1007 or (EG1010 and EG1011 and EG1012))</i>

COURSE HANDBOOK

[Bachelor of Science](#)

[Chemistry Major](#)

[Physics Major](#)