# Bachelor of Advanced Science

Environmental Earth Science & Chemistry

**2027 ENTRY**

## Useful study planning / enrolment resources

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|---|---|---|---|
| Course and Subject Handbook | Academic Calendars | Class Registration | Enrolment Resources |

**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 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 (JCU STUDY AREA GUIDE — College of Science & Engineering).

**Intensive on-campus requirements:** Subjects labelled with *Intensive on-campus requirements 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.

### How to read this planner

**PREREQ** Prerequisite information **ONLINE** Online offering **PLACEMENT** Placement requirement **INTENSIVE** Intensive on-campus requirement

## 2027

| TRIMESTER 1 | TRIMESTER 2 | TRIMESTER 3 |
|---|---|---|
| SC1101:03 Science, Technology and Truth | MA1000:03 Mathematical Foundations<br>**PREREQ:** MA1020 or MA0020 or BR0202 or High school subjects: Mathematical Methods or Specialist Mathematics (or equivalent such as Maths B or Maths C) | MA1003:03 Mathematical Techniques<br>**PREREQ:** MA1000 or MA1011 or MA1009 |
| *CH1020:03 Preparatory Chemistry<br>**OR**<br>Any Level 1, 2, 3 or 5 subject if already satisfied via previous study | **Chemistry Major**<br>CH1001:03 Chemistry: The Central Science<br>**PREREQ:** BR0301, CH1020, CH0020 or EG1010 or High School Senior Chemistry or admission to 71510 or 116910 or 70309 or 108209 or 70809 or 71809 or 115309 or 119209 or 117110. | SC1109:03 Modelling Natural Systems-Advanced<br>**PREREQ:** MA1000 or MA1009 |
| **Environmental Earth Science Major**<br>EV1005:03 Environmental Processes and Global Change | | **Chemistry Major**<br>CH1002:03 Chemistry: Principles and Applications<br>**PREREQ:** CH1001 or CH1011 and allow concurrent for CH1011 and CH1001 |

*If you have satisfied the Chemistry requirement via previous study, please contact enrolments@jcu.edu.au.

## 2028

| TRIMESTER 1 | TRIMESTER 2 | TRIMESTER 3 |
|---|---|---|
| **Environmental Earth Science Major**<br>BS1007:03 Introduction to Biodiversity<br>**OR**<br>EA1110:03 Evolution of the Earth<br>Offered in TR3 | **Environmental Earth Science Major**<br>EV2401:03 Australian Landscape Processes and Evolution<br>**PREREQ:** At least 9 credit points at level 1<br>INTENSIVE | **Environmental Earth Science Major**<br>EA2404:03 Earth's Climate: Past, Present and Future<br>**PREREQ:** At least 12 credit points at level 1 |
| **Environmental Earth Science Major**<br>EA2006:03 Hydrology<br>**PREREQ:** At least 9 credit points at level 1 | **Chemistry Major**<br>CH2310:03 Organic Chemistry<br>**PREREQ:** CH1001 and CH1002 | **Chemistry Major**<br>CH2103:03 Analytical Chemistry<br>**PREREQ:** CH1001 or CH1011 |
| **Chemistry Major**<br>CH2210:03 Inorganic Chemistry<br>**PREREQ:** CH1001 and CH1002 | | Select 3 credit points of subjects from **List 1 (Advanced Skills Subjects)** |

## 2029

| TRIMESTER 1 | TRIMESTER 2 | TRIMESTER 3 |
|---|---|---|
| SC2209:03 Quantitative Methods in Science-Advanced<br>**PREREQ:** MA1003 and (SC1109 plus 6 credit points of other Level 1 subjects) or admission in 116409 | SC3003:03 Science Research Internship<br>**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<br>**OR**<br>SC3008:03 Professional Placement<br>**PREREQ:** Students must have successfully completed 12 second year credit points. | **Environmental Earth Science Major**<br>EV3401:03 Coastal and Catchment Geomorphology<br>**PREREQ:** At least 9 credit points at level 1 |
| **Environmental Earth Science Major**<br>EA3207:03 Soil Properties and Processes for Science<br>**PREREQ:** At least 9 credit points at level 1 | **Environmental Earth Science Major**<br>EA3007:03 Field Studies in Tropical Land and Water Science<br>**PREREQ:** At least 9 credit points at level 2 including EA2006<br>INTENSIVE | **Chemistry Major**<br>CH3110:03 Special Topics in Analytical Chemistry<br>**PREREQ:** CH2103 |
| **Chemistry Major**<br>CH3210:03 Applications of Inorganic Chemistry<br>**PREREQ:** CH2210 | | **Chemistry Major**<br>CH3310:03 Special Topics in Organic Chemistry<br>**PREREQ:** CH2310 |

## Course handbook

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|---|---|
| Bachelor of Advanced Science | Environmental Earth Science Major<br>Chemistry Major |

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| **Award Title** | Bachelor of Advanced Science |
| **Abbreviation** | BAdvSc |
| **Credit Points** | 72 |
| **AQF Level** | Level 7 – Bachelor Degree |
| **Location** | Townsville Bebegu Yumba, Cairns Nguma-bada |
| **Division** | Academy |
| **College** | College of Science and Engineering |
| **Expected Time to Complete** | 3 Years |
| **Maximum Time to Complete** | 9 Years |
| **Maximum Leave of Absence** | 3 Years |
| **CRICOS Code** | 092515M |