

Bachelor of Advanced Science (Molecular and Cell Biology)

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 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 | | | Elective OR Second Major Subject <i>(Depending on chosen structure)</i> |
| | | | Elective OR Second Major Subject <i>(Depending on chosen structure)</i> |
| | | | Elective OR Second Major Subject <i>(Depending on chosen structure)</i> |

| | | TRIMESTER 1 | TRIMESTER 2 | TRIMESTER 3 |
|------|--|---|---|---|
| 2027 | | SC1101:03 Science, Technology and Truth | MA1000:03 Mathematical Foundations <i>PREREQ: MA1020 OR MA0020 OR BR0202 OR High School Senior Mathematics Equivalent</i> | MA1003:03 Mathematical Techniques <i>PREREQ: MA1000 OR MA1011 OR MA1009</i> |
| | | CH1020:03 Preparatory Chemistry (any Level 1, 2, 3 or 5 subject if already satisfied via previous study) | Major BM1201:03 Energy Metabolism: Powering Life <i>PREREQ: Senior Chemistry or equivalent, allow concurrent enrolment in CH1020</i> | SC1109:03 Modelling Natural Systems-Advanced <i>PREREQ: MA1000 or MA1009</i> |
| | | Major BM1110:03 Molecules to Microbes | | Major BM2310:03 Drugs: Triggering System Responses <i>PREREQ: BM1201</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> | Major BM2230:03 DNA to Proteins <i>PREREQ: 18 credit points of Level 1 subjects including BM1110 or BM1300 or BM1000</i> | Major BM2330:03 Cell Biology: Signaling & Regulation <i>PREREQ: 18 credit points of Level 1 subjects including BM1110 or BM1000 or BS1001</i> |
| | | Elective OR Second Major Subject (Depending on chosen structure) | Elective OR Second Major Subject (Depending on chosen structure) | Major BM3330:03 Synthetic Biology and Bioengineering <i>PREREQ: (BM1201 or BC2013) and (BM2230 or BC2023)</i> |
| | | Elective OR Second Major Subject (Depending on chosen structure) | | Elective OR Second Major Subject (Depending on chosen structure) |

| | TRIMESTER 1 | TRIMESTER 2 | TRIMESTER 3 |
|------|--|---|-------------|
| 2029 | Major BM3130:03 Genes, Genomes and Development <i>PREREQ: BM2230</i> | SC3008:03 Professional Placement (TR1, TR2, TR3) <i>PREREQ: 12 credit points of second year subjects</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</i> <i>*Students must source a supervisor for their internship before enrolment</i> | |
| | Select 3 credit points of subjects from List 1 (Advanced Skill Subjects) | Major BM3230:03 Molecular Basis of Disease <i>PREREQ: (BM1201 or BC2013) and (BM2330 or BC2024)</i> | |
| | Elective OR Second Major Subject <i>(Depending on chosen structure)</i> | | |

COURSE HANDBOOK

[Bachelor of Advanced Science](#)

[Molecular and Cell Biology Major](#)