

Bachelor of Advanced Science (Molecular and Cell Biology) – 2020 Beginning of Year Entry

| Teaching Period 1, 2020 | | Teaching Period 2, 2020 | |
|--------------------------------|---|--------------------------------|--|
| Study Period 1 | SC1101 :03 Science, Technology and Truth | Study Period 2 | SC1109 :03 Modelling Natural Systems-Advanced PREREQ: MA1000 or MA1009, allow concurrent enrolment for MA1009 |
| Study Period 1 | MA1000 :03 Mathematical Foundations PREREQ: MA1020 or Mathematics B or Maths C | Study Period 2 | MA1003 :03 Mathematical Techniques PREREQ: MA1000 or MA1011 or MA1009 |
| Study Period 1 | First Major Subject BM1000 :03 Introductory Biochemistry and Microbiology PREREQ: CH1020 or Senior Chemistry | Study Period 2 | First Major Subject BS1001 :03 Introduction to Biological Processes |
| Study Period 1 | Second Major Subject/Minor Subject/Elective Subject (depending on chosen structure) | Study Period 2 | Second Major Subject/Minor Subject/Elective Subject (depending on chosen structure) |
| Teaching Period 1, 2021 | | Teaching Period 2, 2021 | |
| Study Period 1 | SC2209 :03 Quantitative Methods in Science-Advanced PREREQ: SC1109 and MA1003 plus 6cp of other Level 1 subjects | Study Period 2 | Select 3 credit points of subjects from List 1 (Skill subjects) |
| Study Period 1 | First Major Subject BC2013 :03 Principles of Biochemistry PREREQ: BM100 and at least 18cp of Level 1 subjects | Study Period 2 | First Major Subject BC2023 :03 Molecular Genetics PREREQ: BM1000 and at least 18cp of Level 1 subjects Assumed Knowledge: recommended to have completed BM1000 and BZ1001 prior to enrolment |
| Study Period 1 | Second Major Subject/Minor Subject/Elective Subject (depending on chosen structure) | Study Period 2 | First Major Subject BC2024 :03 Cell Biology PREREQ: BM1000 and at least 18cp of Level 1 subjects |
| Study Period 1 | Second Major Subject/Minor Subject/Elective Subject (depending on chosen structure) | Study Period 2 | Second Major Subject/Minor Subject/Elective Subject (depending on chosen structure) |
| Teaching Period 1, 2022 | | Teaching Period 2, 2022 | |
| Study Period 1 | SC3003 :03 Science Research Internship PREREQ: 15cp of AQ,BC,BZ,CH,EV,EA,MA,MB or PH Science Level 2 subjects OR SC3008 :03 Professional Placement PREREQ: students must have successfully completed 12 second year credit points and be enrolled in their final year of study within the College of Science and Engineering | Study Period 2 | Select 3 credit points of subjects from List 2 (Advanced Skill Subjects) |
| Study Period 1 | First Major Subject BC3101 :03 Genes, Genomes and Development PREREQ: BC2023 | Study Period 2 | First Major Subject BC3201 :03 Bioengineering PREREQ: BC3101, BC3102 strongly recommended |
| Study Period 1 | First Major Subject BC3102 :03 Molecular Basis of Disease PREREQ: BC2013 and BC2024 | Study Period 2 | Second Major Subject/Minor Subject/Elective Subject (depending on chosen structure) |
| Study Period 1 | Second Major Subject/Minor Subject/Elective Subject (depending on chosen structure) | Study Period 2 | Second Major Subject/Minor Subject/Elective Subject (depending on chosen structure) |

PROFESSIONAL ACCREDITATION STATUS

The Physics major for the Bachelor of Advanced Science will be seeking accreditation by the Australian Institute of Physics (AIP) in 2019. Once accredited, graduates will be automatically eligible for membership of the Australian Institute of Physics.

The Chemistry major for this course is accredited by the Royal Australian Chemical Institute (RACI). Graduates will be eligible for non-corporate membership of RACI and, with an additional three years' experience in chemistry, may be eligible to register as a Chartered Chemist with Corporate Membership of RACI.

ADDITIONAL COURSE RULES

A maximum of 30 credit points may be taken at level 1.

A minimum of 18 credit points of science subjects must be taken at level 3 or higher.

Students may seek permission to enrol in more than one level 5 subject.

COURSE PROGRESSION REQUISITES

Should successfully complete 18 credit points of level 2 science subjects before attempting any level 5 science subject.

ADDITIONAL INFORMATION

[Bachelor of Advanced Science course handbook](#)

[Molecular and Cell Biology major handbook](#)