

Bachelor of Science (Molecular and Cell Biology) – Townsville 2020 Mid Year Entry – Standard Stream (MA1020 not required)

Teaching Period 1, 2021		Teaching Period 2, 2021	
Study Period 1	First Major Subject BM1000:03 Introductory Biochemistry and Microbiology PREREQ: CH1020 or Senior Chemistry	Study Period 2	First Major Subject BC2023:03 Molecular Genetics PREREQ: BM1000, at least 18 credit points of level 1 subjects
Study Period 1	SC1101:03 Science, Technology and Truth	Study Period 2	First Major Subject BC2024:03 Cell Regulation PREREQ: BM1000, at least 18 credit points of level 1 subjects
Study Period 1	Select 3 credit points of subjects from List 1 (Breadth Subjects)	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)
Teaching Period 1, 2022		Teaching Period 2, 2022	
Study Period 1	First Major Subject BC2013:03 Principles of Biochemistry PREREQ: BM1000, at least 18 credit points of level 1 subjects	Study Period 2	First Major Subject BC3201:03 Bioengineering PREREQ: BC2013 and BC2023
Study Period 1	SC2202:03 Quantitative Methods in Science PREREQ: 6 credit points of level 1 subjects OR SC2209:03 Quantitative Methods in Science-Advanced PREREQ: SC1109 and MA1003 plus 6 credit points of other level 1 subjects	Study Period 2	SC3008:03 Professional Placement PREREQ: 12 credit points of Level 2 subjects and enrolment in final year of study
Study Period 1	Select 3 credit points of subjects from List 2 (Skills Subjects)	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)

Teaching Period 2, 2020	
Study Period 2	First Major Subject BS1001:03 Introduction to Biological Processes
Study Period 2	SC1102:03 Modelling Natural Systems PREREQ: MA1020 or Senior Mathematics or equivalent OR SC1109:03 Modelling Natural Systems-Advanced PREREQ: MA1000 or MA1009
Study Period 2	Select 3 credit points of subjects from List 1 (Breadth Subjects)
Study Period 2	CH1020:03 Preparatory Chemistry (if Senior Chemistry not completed) OR Second Major Subject/Minor Subject/Elective Subject (depending on chosen structure)

Teaching Period 1, 2023	
Study Period 1	First Major Subject BC3101:03 Genes, Genomes and Development PREREQ: BC2023
Study Period 1	First Major Subject BC3102:03 Molecular Basis of Disease PREREQ: BC2013 and BC2024
Study Period 1	SC3010:03 Sensors and Sensing for Scientists PREREQ: BZ2001 or SC2202 or SC2209
Study Period 1	Second Major Subject/Minor Subject/Elective Subject (depending on chosen structure)

ADDITIONAL COURSE REQUIREMENTS

Applicants who have not completed high school intermediate level Mathematics B (or equivalent) must select [MA1020](#): Preparatory Mathematics as part of their study plan to successfully complete the Bachelor of Science.

[CH1020](#): Preparatory Chemistry may also need to be selected, depending on the major. Students must familiarise themselves with the subjects needed to complete their chosen major.

Students should undertake the above subject/s in block mode where available and be aware that restrictions may apply to electives if they wish to complete in the normal three (3) year timeframe. These preparatory subjects typically start earlier than the standard course commencement date. Contact JCU on 1800 246 446 for more information.

POST ADMISSION REQUIREMENTS

Some majors require attendance at block mode or limited attendance subjects on either the Townsville or Cairns campus. If students must attend block-mode classes at a campus other than the one they are enrolled at, they are responsible for their own expenses.

COURSE PROGRESSION REQUISITES

Must successfully complete 18 credit points of Level 1 and 2 science subjects before attempting any Level 3 science subject

SPECIAL ASSESSMENT REQUIREMENTS

Students undertaking this Major will have successfully completed senior Chemistry or equivalent, or will need to complete the preparatory Chemistry subject within this course structure

ADDITIONAL INFORMATION

[Bachelor of Science course handbook](#)
[Molecular and Cell Biology major handbook](#)