The information provided is designed to provide helpful information on your study plan. Changes to subject information after this time may affect your study plan. Please refer to the enrolment resources for up to date information.

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

Teaching Period 1, 2020		Teaching Period 2, 2020	
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	SC1101:03 Science, Technology and Truth	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, allow concurrent enrolment for MA1009**
Study Period 1	Select 3 credit points of subjects from List 1 (Breadth Subjects)	Study Period 2	Select 3 credit points of subjects from List 1 (Breadth 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, 2021		**Teaching Period 2, 2021**	
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** BC2023:03 Molecular Genetics **PREREQ: BM1000, at least 18 credit points of level 1 subjects**
Study Period 1	Select 3 credit points of subjects from List 2 (Skills Subjects)	Study Period 2	**First Major Subject** BC2024:03 Cell Biology **PREREQ: BM1000, at least 18 credit points of level 1 subjects**
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	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** BC3101:03 Genes, Genomes and Development **PREREQ: BC2023**	Study Period 2	**First Major Subject** BC3201:03 Bioengineering **PREREQ: BC2013 and BC2023**
Study Period 1	**First Major Subject** BC3102:03 Molecular Basis of Disease **PREREQ: BC2013 and BC2024**	Study Period 2	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 1	SC3010:03 Sensors and Sensing for Scientists **PREREQ: BZ2001 or SC2202 or SC2209**	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)

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