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 (Mathematics) – Townsville
2020 Mid Year Entry – Standard Stream (MA1020 not required)

		Teaching Period 2, 2020	
		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	**First Major Subject** MA1000:03 Mathematical Foundations **PREREQ: MA1020 or Mathematics B or Maths C**
		Study Period 2	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)
Teaching Period 1, 2021		**Teaching Period 2, 2021**	
Study Period 3	**First Major Subject** MA1003:03 Mathematical Techniques **PREREQ: MA1000 or MA1011 or MA1009**	Study Period 2	**First Major Subject** MA2210:03 Linear Algebra **PREREQ: MA1003**
Study Period 1	SC1101:03 Science, Technology and Truth	Study Period 2	Select 3 credit points of subjects from List 2 (Skills 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	**First Major Subject** MA2000:03 Mathematics for Scientists and Engineers **PREREQ: MA1003**	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	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	**First Major Subject** MA2211:03 Discrete Mathematics **PREREQ: MA1020 or Maths B**	Study Period 2	**First Major Subject** MA3210:03 Probability and Stochastic Processes **PREREQ: MA2000 and MA2210**
Study Period 1	Second Major Subject/Minor Subject/Elective Subject (depending on chosen structure)	Study Period 2	**First Major Subject** MA3212:03 Optimisation and Operations Research **PREREQ: MA2000 and MA2210**
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)

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Teaching Period 1, 2023	
Study Period 1	SC3010:03 Sensors and Sensing for Scientists **PREREQ: BZ2001 or SC2202 or SC2209**
Study Period 1	**First Major Subject** MA3211:03 Mathematical Modelling and Differential Equations **PREREQ: MA2000 and MA2210**
Study Period 1	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)

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 REQUIREMENTS

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

SPECIAL ADMISSION REQUIREMENTS

The first year of study may be completed in Cairns

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

ADDITIONAL INFORMATION

Bachelor of Science course handbook
Mathematics major handbook