

## Bachelor of Advanced Science (Chemistry) – 2020 Beginning of Year Entry

Teaching Period 1, 2020		Teaching Period 2, 2020	
<a href="#">Study Period 1</a>	<a href="#">SC1101</a> :03 Science, Technology and Truth	<a href="#">Study Period 2</a>	<a href="#">SC1109</a> :03 Modelling Natural Systems-Advanced PREREQ: MA1000 or MA1009
<a href="#">Study Period 1</a>	<a href="#">MA1000</a> :03 Mathematical Foundations PREREQ: MA1020 or Mathematics B or Mathematics C	<a href="#">Study Period 2</a>	<a href="#">MA1003</a> :03 Mathematical Techniques PREREQ: MA1000 or MA1011 or MA1009
<a href="#">Study Period 1</a>	<b>First Major Subject</b> <a href="#">CH1001</a> :03 Chemistry: A Central Science PREREQ: CH1020 or EG1001 or High School Senior Chemistry	<a href="#">Study Period 2</a>	<b>First Major Subject</b> <a href="#">CH1002</a> :03 Chemistry: Principles and Applications PREREQ: CH1001 or CH1011
<a href="#">Study Period 1</a>	Second Major Subject/Minor Subject/Elective Subject (depending on chosen structure)	<a href="#">Study Period 2</a>	Second Major Subject/Minor Subject/Elective Subject (depending on chosen structure)
Teaching Period 1, 2021		Teaching Period 2, 2021	
<a href="#">Study Period 1</a>	<a href="#">SC2209</a> :03 Quantitative Methods in Science-Advanced PREREQ: SC1109 and MA1003 plus 6cp of other Level 1 subjects	<a href="#">Study Period 2</a>	<b>First Major Subject</b> <a href="#">CH2103</a> :03 Analytical Chemistry PREREQ: CH1001 or CH1011
<a href="#">Study Period 1</a>	<b>First Major Subject</b> <a href="#">CH2210</a> :03 Syntheses and Mechanism in Inorganic Chemistry PREREQ: CH1001, CH1002	<a href="#">Study Period 2</a>	<b>First Major Subject</b> <a href="#">CH2310</a> :03 Syntheses and Mechanism in Organic Chemistry PREREQ: CH1001, CH1002
<a href="#">Study Period 1</a>	Second Major Subject/Minor Subject/Elective Subject (depending on chosen structure)	<a href="#">Study Period 2</a>	Select 3 credit points of subjects from <a href="#">List 1 (Skill subjects)</a>
<a href="#">Study Period 1</a>	Second Major Subject/Minor Subject/Elective Subject (depending on chosen structure)	<a href="#">Study Period 2</a>	Second Major Subject/Minor Subject/Elective Subject (depending on chosen structure)
Teaching Period 1, 2022		Teaching Period 2, 2022	
<a href="#">Study Period 1</a>	<b>First Major Subject</b> <a href="#">CH3310</a> :03 Special Topics in Organic Chemistry PREREQ: CH2310	<a href="#">Study Period 2</a>	<b>First Major Subject</b> <a href="#">CH3110</a> :03 Special Topics in Analytical Chemistry PREREQ: CH2103
<a href="#">Study Period 1/2</a>	<a href="#">SC3003</a> :03 Science Research Internship PREREQ: 15cp of AQ, BC, BZ, CH, EV, EA, MA, MB or PH science level 2 subjects (offered in multiple study periods) OR <a href="#">SC3008</a> :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	<a href="#">Study Period 2</a>	<b>First Major Subject</b> <a href="#">CH3210</a> :03 Applications of Inorganic Chemistry PREREQ: CH2210
<a href="#">Study Period 1</a>	Second Major Subject/Minor Subject/Elective Subject (depending on chosen structure)	<a href="#">Study Period 2</a>	Select 3 credit points of subjects from <a href="#">List 2 (Advanced Skill Subjects)</a>
<a href="#">Study Period 1</a>	Second Major Subject/Minor Subject/Elective Subject (depending on chosen structure)	<a href="#">Study Period 2</a>	Second Major Subject/Minor Subject/Elective Subject (depending on chosen structure)

### PROFESSIONAL ACCREDITATION STATUS

The chemistry major is currently accredited with the Royal Australian Chemical Institute (RACI) and we are currently in the process of renewing this accreditation. Graduates will be eligible for non-corporate membership of the RACI, and with 3 years additional experience in Chemistry, may be eligible to register as a Chartered Chemist with corporate membership of the RACI.

### ADDITIONAL COURSE REQUIREMENTS

Students who do not have Chemistry to Year 12 and wish to undertake the Chemistry major or the Molecular and Cell Biology major will be required to undertake the preparatory subject, [CH1020: Preparatory Chemistry](#) in their first year of study.

Students should undertake this subject 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. This subject typically starts earlier than the standard course commencement date. Contact JCU on 1800 246 446 for more information.

### 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](#)

[Chemistry major handbook](#)