

School of Health, Medical & Applied Sciences

CU18 Bachelor of Science

Applied Chemistry Major

Full Time Course Planner – Term 2 2019 onwards

Year	Unit Code	Unit Name	CP	Requisites	Ad. Stand	Comp Term /Status
Year 1	ENVR11014 *	Environmental Monitoring	6			T2 2019
		<i>Elective Unit (See Notes Page 4)</i>	6			T2 2019
		<i>Elective Unit (See Notes Page 4)</i>	6			T2 2019
	ESSC11004 **	Study & Research Skills for Health Science	6			T3 2019
	CHEM11043 *	Atoms, Molecules & Matter	6	Anti-Req CHEM11041		T1 2020
	BIOL11102 *	Life Science Laboratory	6	Anti-Req BIOL11099		T1 2020
	CHEM11045	Chemical Investigation & Theory	6			T1 2020
Year 2	BMSC11005 **	Foundations of Biochemistry	6	Pre-Req CHEM11041 or CHEM11043		T2 2020
	CHEM12078 *	Industrial Atmospheric Emissions	6	Pre-Req CHEM11041 or CHEM11043 or GEOG12020		T2 2020
	CHEM12077 *	Food Science & Analysis	6	Pre-Req CHEM11041 or CHEM11043		T2 2020
	CHEM11044 *	Chemical Reactions	6	Pre-Req CHEM11043		T2 2020
	BIOL12105 **	Scientific Analysis and Statistics	6	Pre-Req SCIE11024 or ESSC11004		T3 2020
	BIOL12107	Cells, Genes and Genetics	6	Pre-Req BIOL11102		T3 2020
		<i>Elective Unit (See Notes Page 4)</i>	6			T1 2021
	CHEM12079	Non-carbon Chemistry	6	Pre- CHEM11043 and CHEM11045 Co-Req CHEM19085		T1 2021
	CHEM19085 *	Environmental Chemistry	6	Pre-Req CHEM11041 or CHEM11045 and CHEM11043		T1 2021
	BMED19007 *	Forensic Science	6	Pre-Req CHEM11041 or CHEM11043		T1 2021
Year 3	BMSC13013	Research Project	6	Pre-Req BMSC12010		T2 2021
	CHEM13082 *	Nanotechnology: Health and the environment	6	Pre-Req CHEM11041 or CHEM12079		T2 2021
		<i>Level 3 Elective Unit (See Notes Page 4)</i>	6			T2 2021
	BIOL12050 *	Professional Placement or Project	6	Pre-Req Completion of 72cp		T3 2021
	CHEM13081 *	Biomaterials: Environmental and Medical Applications	6	Pre-Req CHEM11041 or CHEM11042 or CHEM12079		T1 2022
	CHEM13080 *	Analytical Science	6	Pre-Req CHEM11041 or CHEM 12079		T1 2022
	CHEM13083 *	Physical Chemistry	6	Pre-Req CHEM12079		T1 2022
Total Units: 24			144			

** Available over Term 3

* Compulsory Residential School

✓ Completed

CP = Credit Points

DISCLAIMER: Students will need to submit a Requisite Waiver request to be enrolled into BMSC13013 Research Project in their final year of study.

For information on the terminology used in the above course planner, please refer to the Glossary on the last page of this document.

Important Note: This Course Planner has no formal or legal status but is used to assist students in planning their course.

Students should refer to the official University database and/or University transcripts to ensure they are meeting course requirements.

Last Updated: 18/04/2019

MORE DETAILS:

To satisfy the requirements for the award of CU18 Bachelor of Science (Applied Chemistry), students must complete 24 units (144 credit points).

Recommended Study Schedule

Students should complete units in an order that is as close as possible to the recommended structure set out in this course planner. Students should concentrate on completing all first year units before moving on to second year units, and all second year units before moving on to third year units.

Course Structure Requirements

In the CU18 Bachelor of Science (Applied Chemistry), students are required to complete the following course structure:

- 11 Core Units
- 9 Major Units
- 4 Elective Units

Course Duration Requirements

Full Time Duration 3 years full time

Part Time Duration 6 years part time

Please also note that if you fail units or take a Leave of Absence, your course duration and completion timeframe may be extended.

Interim Awards Interim Awards do not exist for this course

Exit Awards CV93 Diploma of Science
CV94 Associate Degree of Science

Deferment/Leave of Absence

Domestic students in the Bachelor of Science degree are permitted to defer the initial offer of their degree for a maximum of 12 months before their offer is withdrawn. Furthermore, domestic students may also take an approved Leave of Absence (LOA) once they have commenced their course of study however only a maximum of 12 months can be granted without requesting further approval from the Head of Course.

You can apply for a deferment or LOA [here](#).

International students are not permitted to defer their initial offer or take a Leave of Absence unless otherwise discussed with their Home Campus.

Credit Transfer

If you have undertaken study in the last ten years, or have relevant in-formal or non-formal learning, you may be eligible for credit towards your course. Please note that some courses have reduced timeframes within which prior study remains eligible for credit. Please refer to the [CQUni Handbook](#) for specific credit time limits relating to your course.

To submit an application for credit, please refer to the [Credit Calculator](#) or contact the Academic Pathways Team via their email credit@cqu.edu.au. Further information about the credit process can also be found on the [Credit for Prior Learning](#) webpage.

Credit applications should be submitted at least four (4) weeks before the relevant term commences. Applications must be complete with all supporting documentation to be assessed by CQUniversity. CQUniversity cannot obtain documents from other institutions, organisations or individuals.

Residential Schools

Students studying via Online studies may be required to attend compulsory on-campus residential schools and have been marked with an asterisk (*) in the above Course Planner.

The units that require a compulsory residential school must be enrolled in as "Mixed Mode" under the unit availabilities in MyCentre.

For more information on the various units containing residential schools, please refer to the following link in the CQUni Handbook: <https://handbook.cqu.edu.au/resschools/index> or contact the Unit Coordinator directly.

Unit Coordinator contact information can be found via the Unit Profiles in the following link: <https://my-courses.cqu.edu.au/pub/profiles/search>

Electives

Students in the Bachelor of Science (Applied Chemistry), course must successfully complete a total of 4 Elective units. Electives can be chosen from the other major in the Bachelor of Science or from the Bachelor of Environmental Science course, provided the pre and co-requisites have been met. One Level 3 elective unit must be completed.

- Undergraduate Level 3 Unit Codes begin with either a “13”, or “19” (e.g. EVST19022)

Pre-requisites should be checked in the CQU Handbook before attempting to enrol in an elective unit.

Elective options include, but are not limited to:

Term 1 electives

- GEOG11023 Physical Geography of Australia
- PHYG12003 Geological Science
- EVST19023* Water Resource Management
- ENVR12001* Soil Science & Conservation
- GEOG12021 Remote Sensing of Environment
- GEOG12020 Australian Weather & Climate
- ZOOL12009* Invertebrate Zoology
- BOTN19001* Terrestrial Botany
- EVST19008 Development and Environmental Policy
- BMSC13002* Advanced Clinical Biochemistry (Level 3 unit)
- BOTN13002 Plants and the Environment (Level 3 unit)
- EVST19020 Environmental Management Systems (Level 3 unit)
- GEOG13013 Sustainable Regions and Cities (Level 3 unit)

Term 2 electives

- ENVR11001 Modern Environmental Issues
- EVST19015 Australian Environmental History
- GEOH11001 Introduction to Human Geography
- BIOL12112* Animal & Plant Physiology
- BMSC12010* Clinical Biochemistry
- MBIO19013* Applications of Microbiology
- GEOG19021 Geographic Information Systems
- ENVR12002* Applied Ecology
- EVST13015 Landscape Ecology and Management (Level 3 unit)
- EVST13016* Catchment to Reef Management (Level 3 unit) – 12 credit points so equivalent to two elective units
- EVST19022 Climate Change: Risk & Assessments (Level 3 unit)

Term 3 electives

- ENEV12002** Community & Indigenous Engagement
- EVST19021** Sustainability Issues and Solutions (Level 3 unit)
- BMSC12010* Clinical Biochemistry

Practicum/Work Integrated Learning (WIL) Requirements

BIOL12050 - This unit provides students with an opportunity to apply the theoretical knowledge and practical skills attained in their degree course to the professional work environment. Students will undertake either a) an industry placement, or b) a short research project. They will report on their experience in an appropriate format, identifying the nature of the work and activities undertaken. In this report, they will also reflect on how the knowledge gained and the skills developed during placement relate to their course of study and their future career.

If you have any questions about your course, please contact the Course Advice Team: spc@cqu.edu.au or by visiting <http://handbook.cqu.edu.au/eforms/index> and filling out the 'Ask a Course Advisor' e-form.

PLEASE CHECK THE CQUNI HANDBOOK FOR ALL TERM AVAILABILITIES AND PRE-REQUISITES AS THEY MAY CHANGE FROM YEAR TO YEAR <http://handbook.cqu.edu.au>

GLOSSARY

- **Course**: A course is the combination of units that contribute towards either a CQUniversity award qualification or non-award study.
- **Course Code**: A course code identifies the specific course a student may be studying at CQUniversity.
- **Unit**: A unit is the individual subject students must complete in order to graduate from their course.
- **Unit Code**: A unit code identifies a specific unit that a student is enrolled in under their course.
- **Pre-Requisite (Pre-Req) Unit**: A pre-req unit is a unit which students must pass before being allowed to enrol in the subsequent unit.
- **Co-Requisite (Co-Req) Unit**: A co-req unit is a unit that must be studied at the same time as another unit.
- **Anti-Requisite (Anti-Req) Unit**: An anti-req unit is an old unit that has been replaced by a new unit and students are not permitted to study the old unit.
- **Credit Points (CP)**: Credit Points are the numerical value of a unit which contributes to the total Credit Points for a course.
- **Core Unit**: A core unit is a compulsory unit that a student must study to meet the requirements of their course.
- **Elective Unit**: An elective unit is a unit within a course that is not compulsory and students may have a choice in what unit they study, provided it meets the elective requirements of their course.
- **Major**: A major is a specific area within a course where a student specialises in and is normally made up of 8 units for undergraduate courses, and 4 units for postgraduate courses. Not all courses have majors.
- **Double Major**: A double major is where students specialise in 2 areas of study and is normally made up of 16 units. Double majors are normally only available in undergraduate courses.
- **Minor**: Like a major, a minor is a specific area within a course where a student specialises and is normally made up of 4 units.
- **Term**: A specified period of time for higher education units in which teaching, learning and assessment occurs. CQUniversity offers 3 Academic Terms per year: Term 1, Term 2 and Term 3.