**Overview**

The Biological Chemistry stream allows undergraduate students to combine an interest in chemistry with studies in biochemistry and molecular biology. This stream is restricted to students enrolled in the Bachelor of Life Sciences.
Faculty
Faculty of Science

School
School of Chemistry

Study Level
Undergraduate

Minimum Units of Credit
72

Specialisation Type
Major
Available in Program(s)

Program(s) in which this major is available

Bachelor of Life Sciences - BLS
3966 Life Sciences
Faculty: Faculty of Science
Campus: Kensington
Units of Credit: 144
Typical Duration: 3 Years
Specialisation Structure

Students must complete 72 UOC.

Level 1 Core Courses

Students must take 24 UOC of the following courses.

- **BABS1201 | 6 UOC**
  Molecules, Cells and Genes

- **CHEM1011 | 6 UOC**
  Chemistry 1A: Atoms, Molecules and Energy

- **CHEM1021 | 6 UOC**
  Chemistry 1B: Elements, Compounds and Life

One of the following:

- **MATH1031 | 6 UOC**
  Mathematics for Life Sciences

- **MATH1041 | 6 UOC**
  Statistics for Life and Social Sciences

Level 2 Core Courses

Students must take 30 UOC of the following courses.

- **CHEM2021 | 6 UOC**
  Organic Chemistry: Mechanisms and Biomolecules

- **CHEM2031 | 6 UOC**
  Inorganic Chemistry: The Elements

- **CHEM2041 | 6 UOC**
  Analytical Chemistry: Essential Methods

One of the following:
BIOC2101 | 6 UOC
Principles of Biochemistry (Advanced)

BIOC2181 | 6 UOC
Fundamentals of Biochemistry

One of the following:
BIOC2201 | 6 UOC
Principles of Molecular Biology (Advanced)

BIOC2291 | 6 UOC
Fundamentals of Molecular Biology

**Level 3 Core Courses**

Students must take 12 UOC of the following courses.

CHEM3021 | 6 UOC
Organic Chemistry: Modern Synthetic Strategies

CHEM3901 | 6 UOC
Environmental Toxicology

**Prescribed Electives**

Students must take at least 6 UOC of Level 3 CHEM, BIOC or BABS courses.

any level 3 Biotechnology & Biomolecular Sciences course

any level 3 Biochemistry course

any level 3 Chemistry course

**Enrolment Disclaimer**

Unless advised otherwise by your program authority, you should follow the rules for the handbook for the year you commenced your program. You are also responsible for ensuring you enrol in courses according to your program requirements. myUNSW
enrolment checks that you have met enrolment requirements such as pre-requisites for individual courses but not that a course will count towards your program requirements.
Additional Information

Honours

Students seeking to enrol into Honours in Biological Chemistry should refer to program 4500 - Science (Honours) and the plan page for Chemistry (Honours) in this Handbook.
Pre-2019 Handbook Editions

Access past handbook editions (2018 and prior)

Pre-2019 Handbook Editions
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Authorised by Deputy Vice-Chancellor (Academic)
CRICOS Provider Code 00098G
ABN: 57 195 873 179