Faculty of Sciences
2021 Study Plan
Bachelor of Science (Advanced)

Last updated: 20 November 2020

Pathway to major in Chemistry

Year 1 / Level I (not more than 30 units)				
S1	# CHEM 1100 Chemistry IA ***OR*** #† CHEM 1101 Foundations of Chemistry IA	# MATHS 1011 Mathematics IA ***(required if intending to complete CHEM 3630 Physical Chemistry)*** OR Approved Level I Elective	Approved Level I Elective	***SCIENCE 1300 Principles & Practice of Research (Advanced) I***
S2	# CHEM 1200 Chemistry IB ***OR*** #† CHEM 1201 Foundations of Chemistry IB	Approved Level I Elective	Approved Level I Elective	Approved Level I Elective
Year 2 / Level II				
S1	CHEM 2545 Organic Chemistry II	# CHEM 2530 Environmental & Analytical Chemistry II	Approved Level II Elective	Approved Level II Elective
S2	CHEM 2550 Physical & Inorganic Chemistry II	CHEM 2540 Medicinal & Biological Chemistry II	Approved Level II Elective	***SCIENCE 2300 Principles & Practice of Research (Adv) II*** **[or Semester 1]**
	*Global Experience: The Faculty of Sciences recommends students who want to undertake an exchange in an overseas university plan to go in Semester 2 of Level 2 and/or Semester 1 of Level 3.			
Year 3 / Level III (at least 24 units)				
S1	At least 6 units from the following: CHEM 3610 Inorganic Chemistry III CHEM 3620 Organic Chemistry III # CHEM 3630 Physical Chemistry III		Approved Level III Elective	Approved Level III Elective
	*Global Experience: The Faculty of Sciences recommends students who want to undertake an exchange in an overseas university plan to go in Semester 2 of Level 2 and/or Semester 1 of Level 3.			
S2	‡ Level III Chemistry Course or Approved Level III Elective	Approved Level III Elective	Approved Level III Elective	***SCIENCE 3100 Principles & Practice of Research (Adv) III***

ALL COURSES ARE WORTH 3 UNITS UNLESS OTHERWISE SPECIFIED

Key

Core Course	Elective Course	Course for Major

Check Course Planner or with the Sciences Service Hub to ensure you meet the pre-requisites or transition arrangements prior to enrolling into these courses.

† Students who successfully complete CHEM 1101 Foundations of Chemistry IA and CHEM 1201 Foundations of Chemistry IB and who wish to continue their study of Chemistry at Level II will be required to undertake an additional course, CHEM 1312 Foundations of Chemistry IS during Summer School before commencing Level II Chemistry studies.

‡ To complete the major you must complete **at least 3 units** from these courses in addition to the 6 units chosen from CHEM 3610, CHEM 3620 or CHEM 3630 plus SCIENCE 3100:

- CHEM 3211 Synthesis of Materials III (3 units)
- CHEM 3212 Fundamentals of Materials III (3 units)
- CHEM 3213 Advanced Synthetic Methods III (3 units)
- CHEM 3214 Medicinal and Biological Chemistry III (3 units)
- CHEM 3600 Environmental and Analytical Chemistry III (3 units) **[Semester 1]**

Enrolment Advice – General

- It is your responsibility to ensure you are correctly enrolled. Enrolment into courses outside of the Study Plan and Enrolment Advice listed could affect your eligibility to graduate.
- A total of 72 units are required to complete Bachelor of Science (Advanced) program.
- No more than 30 units of courses can be completed at Level I.
- At least 24 units of Science courses must be completed at Level III.
- You may substitute an appropriate course chosen from Level II to fulfil the requirements of Level I, or from Level III to fulfil the requirements of Level I or II.
- There is a limitation on the amount of 'Non-Science' courses that can be presented. **Do not assume that because a course is offered through Sciences, that it automatically counts as 'Science'** (e.g. Animal Science courses). Please refer to your Program Rules.
- No level III course may be used to meet the requirements of more than one major. *(For example, if Soil Ecology and Nutrient Cycling is used to qualify for a Soil Science major, it cannot also be used to qualify for an Ecology Major).*
- Please consult your Program Coordinator or contact the Sciences Service Hub for advice.

Pathway to major in Chemistry

Complementary Majors

The following majors are often pursued by students as well as the above major, as a complementary field:

- Biochemistry
- Genetics
- Geology
- Geophysics
- Soil Science
- Microbiology & Immunology
- Physics

Enrolment Advice – Courses

- Only ONE of BIOLOGY 1201 Biology I: Human Perspectives or BIOLOGY 1202 Biology I: Organisms may be presented towards the Bachelor of Science.
- The following course cannot be presented towards the Bachelor of Science:
    - COMP SCI 1003 Internet Computing

Electives and Broadening

You may complete up to 9 units of 'non-science' elective courses at Level I and/or Level II. Of these courses a maximum of 6 units can be chosen at Level I. Please refer to your Program Rules for electives and all other requirements, including details on how to meet broadening experience https://calendar.adelaide.edu.au/faculty/sciences

For information about electives from other Faculties, course restrictions and pre-requisites, search the course planner: https://access.adelaide.edu.au/courses/search.asp

Variations for students who commenced in or prior to 2014

- Level III: CHEM 3530 Environmental and Analytical Chemistry III, and CHEM 3540 Research Methods in Chemistry III, are courses permitted to be counted towards the major. These courses are incompatible with CHEM 3560 Molecular Structure Determination III.
- Level I: Core course SCIENCE 1100 Principles & Practice of Science and SCIENCE 1200 Principles & Practice of Science (Advanced) I, has now been replaced by SCIENCE 1300 Principles & Practice of Research (Advanced) I.

Variations for students who commenced in or prior to 2019

- CHEM 2510 Chemistry IIA and CHEM 2520 Chemistry IIB were replaced by CHEM 2545 Organic Chemistry II and CHEM 2550 Physical & Inorganic Chemistry II in 2020

Global Experience

The University of Adelaide is committed to offering its students the opportunity to study overseas through an International Experience. This experience is available in a wide range of degrees and can include student exchange (for either one or two full semesters), study tours, internships and placements. There are many exciting opportunities in Europe, Asia, the Americas, Africa, and Oceania ranging from a few weeks to a full academic year.

* The Faculty of Sciences recommends students who want to undertake an exchange in an overseas university plan to go in Semester 2 of Level 2 and/or Semester 1 of Level 3. To find opportunities available in your study area click Study Overseas.

Further Information and Enrolment Advice

Sciences Service Hub
Phone: +61 8 8313 5673
Email: faculty.sciences@adelaide.edu.au