2022 Study Plan
Bachelor of Science (Advanced) (Honours) Direct Entry

Last updated: 1 December 2021

Pathway to major in Bioinformatics

Year 1 / Level I (not more than 30 units)				
S1	#+ CHEM 1100 Chemistry IA ***OR*** #*+ CHEM 1101 Foundations of Chemistry IA ***OR*** Approved Level I Elective	~+ ¥ BIOLOGY 1101 Biology I: Molecules, Genes & Cells ***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 ***OR*** Approved Level I Elective	+ ¥ BIOLOGY 1201 Biology I: Human Perspectives ***OR*** + ¥ BIOLOGY 1202 Biology I: Organisms ***OR*** Approved Level I Elective	Approved Level I Elective	Approved Level I Elective
Year 2 / Level II				
S1	π GENETICS 2510 Genetics IIA: Foundation of Genetics ***OR*** Approved Level II Elective	π BIOCHEM 2500 Biochemistry II: Molecular and Cell Biology ***OR*** Approved Level II Elective	Approved Level I or Level II Elective	Approved Level II Elective
S2	Approved Level II Elective	Approved Level II Elective	Approved Level I or Level II Elective	***SCIENCE 2300 Principles & Practice of Research (Adv) II [or Semester 1]***
	*Global Experience: We recommend 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	BIOINF 3010 Genomics Applications III	BIOINF 3005 Transcriptomics Applic III	Approved Level III Elective	Approved Level III Elective
	*Global Experience: We recommend 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	BIOINF 3000 Bioinformatics III	Approved Level III Elective	Approved Level III Elective	***SCIENCE 3100 Principles & Practice of Research (Adv) III***
	Courses to the value of 24 units, chosen from the Bachelor of Science (Honours). A Research Pathway or Professional Pathway must be chosen in a specialisation area.			

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 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.

~ Students who were unsuccessful in completing BIOLOGY 1101 Biology I: Molecules, Genes & Cells have the opportunity to undertake BIOLOGY 1001 Fundamentals of Biology in Summer School before commencing Level II courses

+ CHEM 1100 or CHEM 1101 **and** CHEM 1200 or CHEM 1201 **and** BIOLOGY 1101 **and** BIOLOGY 1201 or BIOLOGY 1202 are listed as pre-requisites for BIOCHEM 2500

¥ BIOLOGY 1101 **and** BIOLOGY 1201 or BIOLOGY 1202 are listed as pre-requisites for GENETICS 2510

π GENETICS 2510 or BIOCHEM 2500 are listed as assumed knowledge for BIOINF 3010, BIOINF 3005 and BIOINF 3000

Pathway to major in Bioinformatics

Complementary Majors

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

- Biochemistry
- Chemistry
- Genetics

Enrolment Advice – General

- A total of **96 units** are required to complete Bachelor of Science (Advanced) (Honours) Direct Entry 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.
- 24 units of courses at level IV must be completed which will include a Research or Professional pathway taken from a specialisation area in the Bachelor of Science (Honours).
- A candidate 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.
- Under the University's Student Charter, it is the student's responsibility to enrol correctly in accordance with the University's program requirements, course prerequisites and University procedures, and ensure that your enrolment will enable you to graduate in your chosen program. If this study plan is unclear or contains an error, it is recommended you seek confirmation and advice from the Sciences Service Hub at the earliest opportunity.

Enrolment Errors

Please submit the relevant form to request a unit-overload waiver, prerequisite waiver, timetable clash resolution or a course/class full request.

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

Global Experience

* We recommend 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