

## Pathway to major in Experimental & Theoretical Physics

Year 1 / Level I (not more than 30 units)				
S1	# <a href="#">PHYSICS 1100</a> Physics IA	# <a href="#">MATHS 1011</a> Mathematics IA	** <a href="#">Approved Level I Elective</a>	<a href="#">SCIENCE 1300</a> <i>Principles &amp; Practice of Research (Advanced) I</i>
S2	# <a href="#">PHYSICS 1200</a> Physics IB	# <a href="#">MATHS 1012</a> Mathematics IB	** <a href="#">Approved Level I Elective</a>	<a href="#">Approved Level I Elective</a>
Year 2 / Level II				
S1	<a href="#">PHYSICS 2510</a> Physics IIA	<a href="#">MATHS 2101</a> Multivariable & Complex Calculus II	<a href="#">MATHS 2102</a> Differential Equations II	<a href="#">SCIENCE 2300</a> <i>Principles &amp; Practice of Research (Adv) II [or Semester 2]</i>
S2	<a href="#">PHYSICS 2520</a> Physics IIB	<a href="#">PHYSICS 2534</a> Electromagnetism II	<a href="#">PHYSICS 2532</a> Classical Physics II	<a href="#">PHYSICS 2530</a> Astrophysics II
*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	<a href="#">PHYSICS 3542</a> Physics III (6 units)		<a href="#">Approved Level III Elective</a>	<a href="#">Approved Level III Elective</a>
*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	<a href="#">PHYSICS 3002</a> Experimental Physics III	<a href="#">PHYSICS 3544</a> Quantum Mechanics III	<a href="#">PHYSICS 3006</a> Advanced Dynamics & Relativity III	<a href="#">SCIENCE 3100</a> <i>Principles &amp; Practice of Research (Adv) III</i>
Year 4 / Level IV (24 units)				
Courses to the value of 24 units, chosen from the <a href="#">Bachelor of Science (Honours)</a> . A Research Pathway or Professional Pathway must be chosen in a specialisation area.				

ALL COURSES ARE WORTH 3 UNITS UNLESS OTHERWISE SPECIFIED

### Key

<b>Core Course</b>	Elective Course	Course for Major
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# 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.

### Enrolment Advice

- 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).
- For approved elective courses, please refer to your [Program Rules](#)
- 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.

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### 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>

### Enrolment Errors

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

### 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](mailto:faculty.sciences@adelaide.edu.au)