

Bachelor of Science (Laser Physics & Technology)

Last updated: May 2017

Year 1 / Level I (24 units)				
S1	# MATHS 1011 Mathematics IA	# PHYSICS 1100ND Physics IA	Approved Level I Elective	Approved Level I Elective
S2	# MATHS 1012 Mathematics IB	# PHYSICS 1200ND Physics IB	Approved Level I Elective	Approved Level I Elective
Year 2 / Level II (24 units)				
S1	MATHS 2101 Multivariable & Complex Calculus	MATHS 2102 Differential Equations	PHYSICS 2510 Physics IIA	Approved Level II Elective
S2	PHYSICS 2525 Physics IIB (Laser Physics and Technology)	PHYSICS 2532 Classical Physics II	PHYSICS 2534 Electromagnetism II	Approved Level II 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.				
Year 3 / Level III (24 units)				
S1	PHYSICS 3542 Physics III (6 units)		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	PHYSICS 3537 Experimental Physics III (Laser Physics and Technology)	PHYSICS 3540 Optics & Photonics III	PHYSICS 3544 Quantum Mechanics III	Approved Level III Elective

ALL COURSES ARE WORTH 3 UNITS UNLESS OTHERWISE SPECIFIED

Key

Core Course	Elective Course	Course for Major
-------------	-----------------	------------------

Check [Course Planner](#) or with the Faculty of Sciences Office to ensure you meet the pre-requisites prior to enrolling into this course.

Enrolment Advice

- 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 the Bachelor of Science (Laser Physics & Technology) program.
- 24 units must be completed for each of Levels I, II and 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.
- You may complete a major in a discipline as set out in the Bachelor of Science program rules.
- 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](#). If in doubt consult the Faculty Office for advice.
- Please consult your Program Coordinator <http://www.sciences.adelaide.edu.au/current-students/contacts/coordinators/course-coordinators.html> or contact the Faculty of Sciences Office for advice.
- If you commenced your program prior to 2014, please contact the Faculty of Sciences Office for variations to your study plan.

Majors

Students will achieve a major in Physics as outlined in the Study Plan above.

In addition, there is an option to include a second major selected from the following complimentary disciplines from the Bachelor of Science:

- Theoretical Physics
- Chemistry

Electives and Broadening

You must complete elective courses to the value of 27 units, which may include:

- Other undergraduate courses offered by the University up to the value of 9 units in total at levels I and/or II
- A maximum of 6 units of courses can be chosen at Year 1, from other Faculties of the University
- No courses at Year 3 can be chosen from other Faculties of the University
- Please refer to your Program Rules for electives and all other requirements <http://calendar.adelaide.edu.au/>
- For Faculty of Sciences electives, see our website: <http://sciences.adelaide.edu.au/degrees/courses/>
- For information about electives from other faculties, restrictions and pre-requisites, search the course planner: <https://access.adelaide.edu.au/courses/search.asp>

Global Experience

The University of Adelaide is committed to offering its students the opportunity to study overseas through a Global Learning 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 Global Learning opportunities available in your study area click [Global Experiences](#).

Further Information and Enrolment Advice

Faculty of Sciences

Phone: +61 8 8313 5673

Email: faculty.sciences@adelaide.edu.au