# Pathway to major in Physics (PPRIII)

## Year 1 / Level I (not more than 30 units)

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course Code</th>
<th>Course Name</th>
<th>Course Code</th>
<th>Course Name</th>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>S1</td>
<td>PHYSICS 1100</td>
<td>Physics IA</td>
<td>MATHS 1011</td>
<td>Mathematics IA</td>
<td>**</td>
<td>Approved Level I Elective</td>
</tr>
<tr>
<td>S2</td>
<td>PHYSICS 1200</td>
<td>Physics IB</td>
<td>MATHS 1012</td>
<td>Mathematics IB</td>
<td>**</td>
<td>Approved Level I Elective</td>
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</tbody>
</table>

## Year 2 / Level II

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<thead>
<tr>
<th>Semester</th>
<th>Course Code</th>
<th>Course Name</th>
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<th>Course Name</th>
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<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>S1</td>
<td>PHYSICS 2510</td>
<td>Physics IIA</td>
<td>MATHS 2101</td>
<td>Multivariable &amp;</td>
<td>MATHS 2102</td>
<td>Differential Equations</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Complex Calculus</td>
<td></td>
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<tr>
<td></td>
<td>PHYSICS 2520</td>
<td>Physics IIB</td>
<td>PHYSICS 2534</td>
<td>Electromagnetism II</td>
<td>PHYSICS 2530</td>
<td>Astrophysics II</td>
</tr>
</tbody>
</table>

*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)

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course Code</th>
<th>Course Name</th>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>S1</td>
<td>PHYSICS 3542</td>
<td>Physics III (6 units)</td>
<td>Approved Level III Elective</td>
<td>Approved Level III Elective</td>
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</tbody>
</table>

*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.

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<thead>
<tr>
<th>Semester</th>
<th>Course Code</th>
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<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>S2</td>
<td>PHYSICS 3002</td>
<td>Experimental Physics III</td>
<td>Approved Level III Elective</td>
<td>Approved Level III Elective</td>
<td>SCIENCE 3100</td>
<td>Principles and Practice of Research (Adv) III</td>
</tr>
</tbody>
</table>

## 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 Bachelor of Science (Advanced) program.
- 24 units will usually be completed for each of Levels I, II and III.
- At least 24 units must be completed at Level III.
- 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. If in doubt consult the Faculty Office for advice.
- 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 contact the Faculty of Sciences Office for advice.

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**Key**

- # Check Course Planner or with the Faculty of Sciences Office to ensure you meet the pre-requisites prior to enrolling into this course.
- ** Students who successfully complete CHEM 1101 and CHEM 1201 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.
- ‡ PHYSICS 2532 Classical Physics II is assumed knowledge for PHYSICS 3542 Physics III.
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**Electives and Broadening**
You must complete 9 units of Broadening courses at Level I or Level II. Of these courses:
- A maximum of 6 units of courses can be chosen at Year 1 from other Faculties of the University
You must also complete Elective courses to fulfil the requirements of your Program:
- 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/](http://calendar.adelaide.edu.au/)
- For Faculty of Sciences electives, see our website: [http://sciences.adelaide.edu.au/degrees/courses/](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](https://access.adelaide.edu.au/courses/search.asp)

**Variations for students who commenced in or prior to 2012**
- Level III: Required to complete PHYSICS 3002 Experimental Physics III and PHYSICS 3542 Physics III. An approved Level III elective can be undertaken in lieu of 3 units of Level III PHYSICS elective courses.

**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](http://calendar.adelaide.edu.au/).

**Further Information and Enrolment Advice**
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Email: faculty.sciences@adelaide.edu.au