Students can specialise by choosing elective subjects in the latter years of their degree. This provides a strong foundation for whatever area of Physics you are interested in, from Astrophysics to Quantum Physics.

The Physics and Advanced Physics majors concentrate on teaching the fundamentals of Physics and Mathematics in the first years of study, with mathematicians, engineers, chemists and biologists in order to understand and solve a wide range of problems confronting society and to study a diverse range of specialisations in fundamental areas of physics. At UNSW we specialise in the key areas of theoretical physics, solid state and condensed matter physics, and astrophysics. Students are taught by world-class researchers and our staff have international collaborations with more than 200 institutions. Our students benefit from excellent facilities including modern student laboratories, and opportunities to conduct research projects with staff from the School and the ARC Centre of Excellence for Quantum Computation and Communication Technology.

A Physics or Advanced Physics major can be studied within the following degree programs:

**Bachelor of Science**
This degree program provides the widest range of options for study in more than 20 majors of science, providing flexibility and choice as well as insights into different scientific fields.

**Bachelor of Advanced Science (Honours)**
The degree program is designed to challenge talented students, providing an early window into the thinking and practice of research. This program differs from the Bachelor of Science by the inclusion of more core Physics courses, a greater opportunity to take undergraduate research projects, and an Honours year included in the degree.

**Bachelor of Science (International)**
The Bachelor of Science (International) degree offers flexibility and choice, with more than 20 fields of study combined with a study exchange to an overseas partner institution. The program comprises a science-based major; a minor in a language; electives that cover cultural studies, international business, development studies and globalisation; and an overseas exchange for 1 or 2 sessions at an approved partner university.

**Admission Details**

<table>
<thead>
<tr>
<th>Program</th>
<th>UAC Code</th>
<th>UNSW Program Code</th>
<th>Length of Study</th>
<th>Entry Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bachelor of Science</td>
<td>429000</td>
<td>3970</td>
<td>3 years full time</td>
<td>2017 Guaranteed Entry: 86.00 IB: 31 or equivalent</td>
</tr>
<tr>
<td>Bachelor of Advanced Science (Honours)</td>
<td>429350</td>
<td>3962</td>
<td>4 years full time</td>
<td>2017 Guaranteed Entry: 96.00 IB: 37 or equivalent</td>
</tr>
<tr>
<td>Bachelor of Science (International)</td>
<td>429420</td>
<td>3967</td>
<td>4 years full time</td>
<td>2017 Guaranteed Entry: 88.00 IB: 32 or equivalent</td>
</tr>
<tr>
<td>Bachelor of Science and Business</td>
<td>429100</td>
<td>3925</td>
<td>3 years full time</td>
<td>2017 Guaranteed Entry: 90.00 IB: 34 or equivalent</td>
</tr>
</tbody>
</table>

**Career Opportunities**
Physics teaches you how to analyse and solve problems, to work in a team with others and to think critically and creatively, skills which open up a vast range of career options. Some graduates will choose to continue studying in physics through postgraduate degrees, leading to careers in research and scientific leadership in universities, government laboratories and in industry around the world. Other careers followed by physics graduates include scientific sales and management, teaching, and medical physics. UNSW Physics graduates have also made successful careers in diverse industries such as manufacturing, computing, communications, computing, electronics, finance, and biomedical technology. Our graduates are employed by a wide range of companies including CSIRO, NSW Departments of Health, and Education, Stans, Ernst and Young the Bureau of Meteorology and the Defence Science and Technology Organisation.

**Student Testimonial**

I decided to study Physics mainly out of curiosity. I enjoy tackling difficult conceptual problems and applying them to the real world, which is exactly what physicists do. I am fascinated by the fact that so many fundamental things in the universe can be plainly described by the laws of physics. What I enjoy most about studying Physics at UNSW is the strength and diversity of its research departments. Being a part of cutting-edge research groups as an undergraduate allowed me to put theory into practice; a wonderful experience I might not have received elsewhere.

Nathan Nadeson
Bachelor of Science / Bachelor of Laws;
Bachelor of Science (Honours)
School Contact Details

School of Physics
Old Main Building
UNSW Australia
Sydney NSW 2052 Australia

Tel: +61 2 9385 4553
Email: info@phys.unsw.edu.au
Website: physics.unsw.edu.au
Facebook: UNSW Physics

Science Marketing

Science Student Centre
Room 128 Robert Webster Building
UNSW Australia
Sydney, NSW Australia 2052

Tel: +61 2 9385 7788
Fax: +61 2 9385 4051
Email: studyscience@unsw.edu.au
Website: science.unsw.edu.au

Connect With Us

facebook.com/unswscience
twitter.com/unswscience
@unswscience
youtube.com/unswscience