Our final-year project is a very important part of your degree. It is in the project that you have a chance to put your studies into practice and experience academic research. You will be closely supervised by a faculty member and in many cases you will get a first-hand impression of what it is like to study here, a fuller picture of your chosen degree course, and an idea of what life is like as a student at the University of Sussex. There will be general and departmental talks, tours of the campus, accommodation and Brighton, and plenty of opportunities to meet lecturers and current students.

M O R E  Q U E S T I O N S ?
See our online prospectus at www.sussex.ac.uk/study for more information, including the latest on:
- entry requirements
- how to apply
- fees, scholarships, bursaries and other financial support
- how to arrange to visit us.

APPLICANT VISIT DAYS
All applicants who receive an offer and meet the advisory UCAS applications deadline are invited to attend an Applicant Visit Day. You will get a first-hand impression of what it is like to study here, a fuller picture of your chosen degree course, and an idea of what life is like as a student at the University of Sussex. There will be general and departmental talks, tours of the campus, accommodation and Brighton, and plenty of opportunities to meet lecturers and current students.

F U T U R E  I N F O R M A T I O N

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University of Sussex
Falmer Campus
Brighton BN1 9QH, UK
T +44 (0)1273 873254
F +44 (0)1273 877097
E ug.admissions@physics.sussex.ac.uk
www.sussex.ac.uk/physics

Facebook: www.facebook.com/PhysicsAtSussex
Twitter: www.twitter.com/PhysicsAtSussex

AFTER YOUR DEGREE

Our degrees will equip you with a wide range of skills and knowledge specific to physics and astronomy, as well as more general vocational skills. You will understand fundamental physics laws and principles and be able to apply them, have an analytical approach to problem solving, and be able to effectively use IT to analyze data. In addition, you will develop the ability to work independently, to tight deadlines and develop skills to communicate scientific information. All of these skills are highly prized by employers.

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At Sussex, you learn from experts working at the forefront of Physics and Astrophysics, from exploring dark energy, to the ATLAS experiment at the CERN Large Hadron Collider.

**WHY CHOOSE PHYSICS & ASTRONOMY AT SUSSEX?**

**SUPPORTIVE COMMUNITY**
Our Physics lecturer’s open-door policy creates a welcoming and supportive environment. They are dedicated to providing individual teaching support to meet your needs and ensuring that you fulfill your potential.

**FABULOUS ENVIRONMENT**
Our department is a lively, friendly, and inspiring place to be, where students and faculty can meet, debate and exchange ideas in our refurbished social and study spaces.

**FANTASTIC CAREER PROSPECTS**
With a career module organised by recruitment experts, as well as careers fairs, forums, and a dedicated Careers Officer, it’s no wonder our graduate employment prospects are ranked in the top ten of all UK Physics departments (Complete University Guide 2017).

**GROUND-BREAKING RESEARCH**
From year one, you will be taught by world-leading physicists. You will get to work on ground-breaking discoveries alongside our expert faculty, on research that is like no other.

**STUDY ABROAD**
We offer a wide range of Physics and Astronomy courses. All of our undergraduate degree courses are accredited by the Institute of Physics, which means that the standard and content are continuously monitored.

**WE OFFER THE FOLLOWING COURSES:**
- Physics and Astronomy (with a foundation year), BSc
- Physics BSc
- Physics MPhys
- Physics (with an industrial placement year), BSc
- Physics (with an industrial placement year) MPhys
- Physics (research placement) MPhys
- Physics (with an industrial placement year) MPhys
- Mathematical Physics Project
- Astrophysics BSc
- Theoretical Physics MPhys
- Physics with Astrophysics BSc
- Physics with Astrophysics MPhys
- Astrophysics MPhys

**MPHYS OR BSC?**
Our MPhys degrees best suit students who are interested in a career in science, or who want to go on to a higher research degree. The first three years of the course are very similar to the BSc, but the additional research-focused fourth year enables you to graduate with a Masters degree whilst being eligible for undergraduate financial support. The BSc course gives you the same broad range of knowledge and skills and is ideal for those who want to explore a wider range of options early on in their careers.

**MPHYS OR BSC?**

**IN INDUSTRIAL PLACEMENT YEAR**

**Our MPhys and BSc courses have the option of spending some of their degree studying abroad. Our exchange partners include world-leading universities such as the University of California, Tsinghua University in Beijing, China, the Technical University and the Ludwig Maximilian University in Munich, Germany. Research placement students have the option to do their summer placement abroad.**

**MPHYS WITH RESEARCH PLACEMENT – 8 week summer placement**

**STUDYING abroad includes students from other courses in the job market. Students on our MPhys and BSc courses have the opportunity to do summer research placements.**

**“Being embedded in an active research group and exploring advanced concepts and techniques is a fantastic opportunity to experience what real physics research is like.”**

**JESSICA MAY HISLOP, PHYSICS WITH ASTROPHYSICS MPHYS WITH A RESEARCH PLACEMENT**

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**Course structure**

**AUTUMN TERM**

<table>
<thead>
<tr>
<th>YEAR TAKEN BY STUDENTS ON FOUNDATION YEAR ONLY</th>
<th>SPRING TERM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physics Foundation Laboratory</td>
<td>Physics Foundation Year Laboratory</td>
</tr>
<tr>
<td>Foundation Mechanics</td>
<td>Optics, Waves and Modern Physics</td>
</tr>
<tr>
<td>Foundation Mathematics</td>
<td>Electricity and Magnetism</td>
</tr>
<tr>
<td>Properties of Matter</td>
<td>Classical Mechanics</td>
</tr>
<tr>
<td></td>
<td>Mathematical Methods for Physics 1</td>
</tr>
<tr>
<td></td>
<td>Physics in Practice</td>
</tr>
<tr>
<td></td>
<td>*Option choice</td>
</tr>
<tr>
<td></td>
<td>*Astrophysics students take Introduction to Astrophysics</td>
</tr>
<tr>
<td></td>
<td>*Theoretical Physics students take Analyse 2</td>
</tr>
<tr>
<td></td>
<td>*Theoretical Physics students take Theoretical Physics</td>
</tr>
<tr>
<td></td>
<td>MPhys with Research Placement – 4 week summer placement</td>
</tr>
<tr>
<td></td>
<td>MPhys with Research Placement – 8 week summer placement</td>
</tr>
<tr>
<td></td>
<td>MPhys with Research Placement – 8 week summer placement</td>
</tr>
<tr>
<td></td>
<td>MPhys Final Year Project (35 credits)</td>
</tr>
<tr>
<td></td>
<td>*Astrophysics students take Cosmology</td>
</tr>
<tr>
<td></td>
<td>Skills in Physics 4</td>
</tr>
<tr>
<td></td>
<td>Students take 4 options from a range across the two terms</td>
</tr>
<tr>
<td></td>
<td>Students on MPHYS do not do a BSc Project in year 3</td>
</tr>
</tbody>
</table>

This outline of the Physics & Astronomy curriculum is based on 2016 entry.