

Studying Physics at Oxford

Physics is concerned with the study of the Universe from the smallest to the largest scale, why it is the way it is, and how it works. Physics principles underpin all of the other scientific disciplines, from chemistry through material science to biology. Oxford has one of the largest physics departments in the world and hosts an outstanding and broad teaching and research programme.

Studying Physics at St Anne's

At St. Anne's you will benefit from being taught by experts who are leaders in their respective fields. We have a vibrant and friendly student community who will welcome you into the fold. You will join with physics students at St. Anne's and also mix with the whole Oxford student physics cohort in lectures, classes and labs.

Study durations

You can apply to study physics as a single or joint subject.

	Ext AY	AY	Fall Term	Hilary and Trinity terms	Studied with other subjects
Physics	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> Philosophy or Maths Please enquire about other subject possibilities. It is not possible to study physics with another science.

Courses

Visiting students would typically study the second or third year of the Oxford physics degree course, depending on the student's academic background and level, and join in lectures and tutorials with current St. Anne's undergraduates.

Second year Oxford physics courses are core classical physics topics: *mathematical physics, quantum mechanics, thermal physics, electromagnetism and optics*.

Third year courses are more cutting-edge topics: subatomic physics, symmetries, special and general relativity, fluids, condensed matter and atomic physics (all of which require a background in the second-year courses as a pre-requisite).

You can read more about the Physics course and the courses available in the [Student Handbook](#). Please keep in mind this is written for matriculated undergraduates undertaking the complete degree at Oxford and not all information will be relevant or applicable to visiting students. Visiting students cannot study any of the fourth year (MMathPhys or MPhys) courses.

Oxford physics students sit exams in Trinity term and generally intensive revision tutorials are only available in that term. However, if availability exists, a mini-project may be possible as a substitution.

Pre-requisites

You will already be studying physics at your home institution. Ideally you will have completed courses equivalent to the first year of the Oxford degree course. If you wish to access third year Oxford courses then you need to have completed any necessary pre-requisite courses as well.

Application guidance

For your visiting student application you should indicate a preference for either courses offered in the 2nd year, called Part A, or if you have sufficient academic background in these subjects (the equivalent of the 2nd year of the Oxford degree) then you could focus on 3rd Year courses, Part B. Mixing courses between the years cannot be accommodated due to timetable clashes and participation in practical labs is not possible.

For your academic work submission please send appropriate problems and solutions and/or essay-based academic work you have submitted for previous physics courses, this should include any grade and/or comments. Please do not submit lab reports.

Additional information - Department of Physics - <https://www.physics.ox.ac.uk/>