The Blackett Laboratory at Imperial College London is at the forefront of physics research and education. The internationally-leading research programme actively fosters the development of new knowledge and new areas of technology. We work hard to promote a culture of transparency and fairness recognised by being twice recipients of the Silver Swan and Juno Championship Awards. The Department offers three year BSc and four year MSci physics programmes including physics with: Theoretical Physics, a Year in Europe, Music Performance and Science Education. We also offer nine Master’s level taught postgraduate courses, and are associated with a number of Centres for Doctoral Training leading directly to PhD studies.

The undergraduate and post graduate student bodies are active members of our community who engage with a range of societies, social events and departmental committees.

Career Destinations
All students are offered a broad range of professional skills training to prepare them for the world outside university. Our graduates are highly sought after for their analytic and problem solving skills. On average 30% of our graduates take up employment in the finance and management sector, just under 50% of our exiting graduates go on to further study, at Masters or PhD level. The remaining graduates enter business, industry or the education sector.

The department collaborates with more than 700 overseas institutions and 160 commercial organisations in over 50 countries. This network provides breadth of opportunity for our exiting post graduates. Approximately 50% of graduating PhD students go or move on to postdoctoral posts all over the world. About 30% of post graduates enter the business or industry sector, 15% enter the financial sector and others enter education or other employment.

Links to Industry  http://www3.imperial.ac.uk/physics/aboutx/industryclub

The Department has good links to many UK and overseas industries. The Department’s Industry Club provides regular networking opportunities for staff and students. Thirteen companies have spun out from the department’s own research efforts, including Midaz Lasers, Molecular Vision, Solar Press, Quantasol and DeltaDot.
The Department was at the forefront of discovery of the Higgs Boson at the LHC last year, dramatically confirming the theoretical work by Tom Kibble of Imperial, Peter Higgs and others from nearly 50 years ago. Other recent highlights include interrogating the true meaning of the quantum state, establishing the theoretical maximum electromagnetic field enhancement from nanostructured metals, exploring the upper atmosphere in the polar regions of Venus, and discovering a chiral order state in nanostructured ferromagnets.

Outreach

http://www3.imperial.ac.uk/physics/about/outreach

The department offers a broad programme of outreach activities including support to teachers (e.g. through dedicated courses) and a unique degree course in Physics with Science Education. A comprehensive list of speakers for public lectures is provided on our web site, and we offer a work experience programme for sixth formers.

We provide a number of public lectures each year on campus. For example “The Amazing Quantum Worlds” is an outreach show which aims to help the audience to understand and engage with quantum mechanics, an area of physics which is often seen as complex.”

Alumni

http://www3.imperial.ac.uk/physics/studentinfo/internationalstudents/academicambassadors

Our alumni are distributed all over the globe and we stay in touch through the Imperial College alumni office and the President and Rector’s visits abroad. The department has identified a number of academic staff (Academic Ambassadors) who travel regularly to specific countries. If you would like to meet up with them please take a look at the dates they will be visiting a city near you.