

# IMPERIAL MARSHALL SCHOLARSHIPS

## Further Information Provided by Imperial College London

Imperial College was established in 1907 in London's scientific and cultural heartland in South Kensington. It specialises in world class education and research in science, engineering and medicine, with particular regard to their application in industry, commerce and healthcare. The university encourages interdisciplinary working internally and collaborates widely externally.

In the latest Times Higher Education Supplement World University Rankings (October 2008) the university was ranked: 2nd in Europe and 7<sup>th</sup> in World for technology/engineering; 3<sup>rd</sup> in Europe and 11<sup>th</sup> in World for biomedicine and 3<sup>rd</sup> in Europe and 14<sup>th</sup> in World for science; and 3<sup>rd</sup> in Europe and 6<sup>th</sup> in World overall. The Newsweek Top 100 Global Universities and Shanghai Jiao Tong Academic Ranking of Top 500 World Universities (2008) placed Imperial 17<sup>th</sup> and 27<sup>th</sup> in the world, respectively. In the 2008 Research Assessment Exercise, 73% of Imperial's research was judged to be world-leading and internationally excellent, the highest percentage of all UK multi-faculty universities.

Imperial has 4 Faculties: Natural Sciences, Engineering, Medicine and the Business School, alongside a small Humanities Department. Overall there are 13,000 students of whom approximately 2,200 are masters students and 2,500 are PhD students. There are more than 100 postgraduate masters taught courses. The majority are intensive research-rich programmes, providing an excellent preparation for subsequent PhD studies. Almost every area of research is covered with new courses being added each year. For details of the full range of postgraduate courses offered visit:

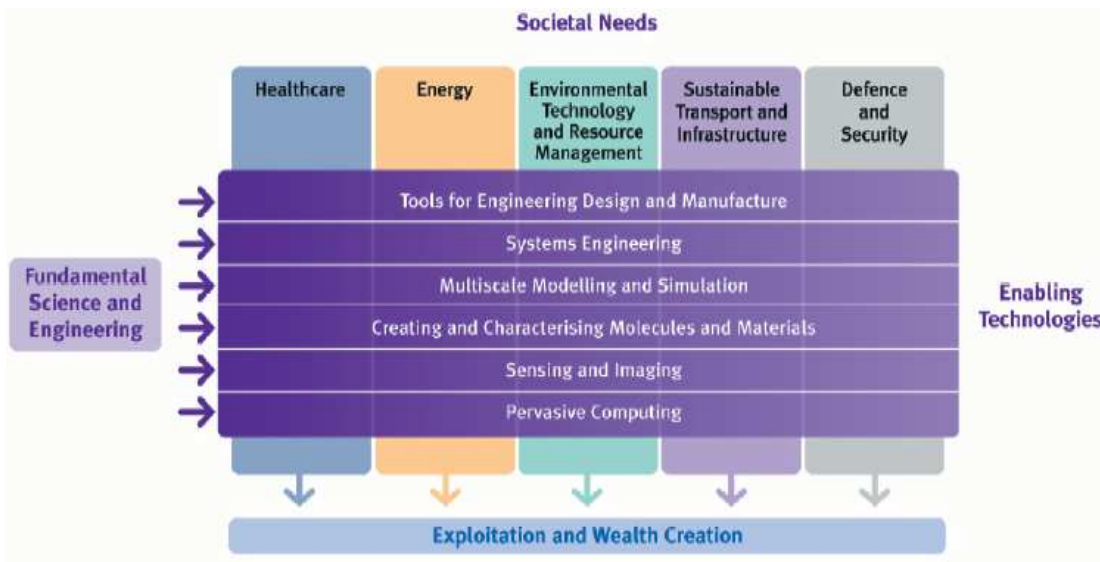
[www.imperial.ac.uk/pgprospectus](http://www.imperial.ac.uk/pgprospectus)

PhD students are welcomed in all departments and divisions within the four Faculties. All students belong to one of our two graduate schools: the Graduate School of Life Sciences and medicine and the Graduate School of Engineering and Physical Sciences. These graduate schools are responsible for an extensive transferable skill training programme, a range of interdisciplinary events and quality assurance of doctoral training. The university has a high success rate, with >500 PhD students graduating each year.

## Faculty of Engineering

The Faculty of Engineering is one of the largest engineering faculties in the UK, with 1,000 staff, over 4,700 students and an annual turnover in excess of £100M. The Faculty offers courses in the complete range of engineering disciplines, with members of the Faculty working with people studying and researching every aspect of engineering.

The Faculty of Engineering offers >40 masters programmes including: "Environmental Engineering and Sustainable Development", "Earthquake Engineering", "Structural Steel Design and Business Management", "Advanced Chemical Engineering with Biotechnology", "Computing Science", "Engineering and Physical Sciences in Medicine" and "Innovation Design Engineering" (joint with the Royal College of Art). The diagram below illustrates the Faculty's key research activities.



### The Faculty of Medicine

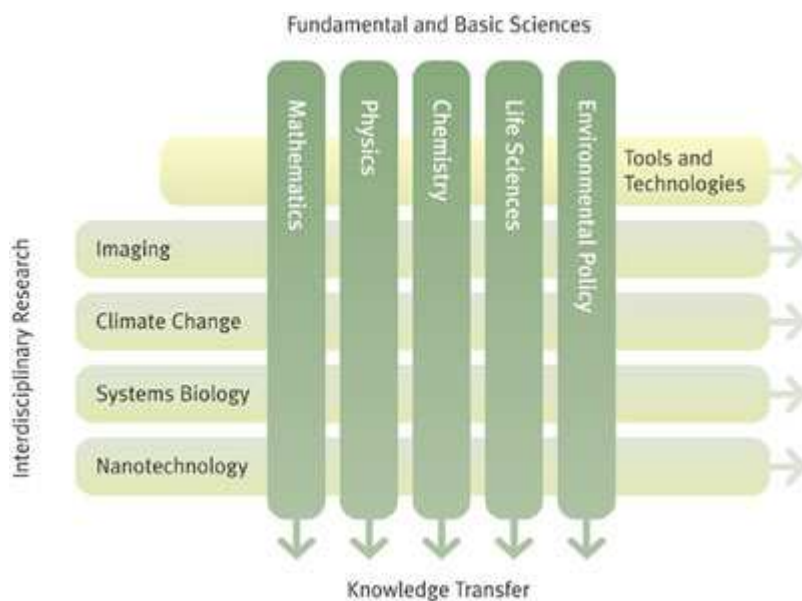
The Faculty of Medicine at Imperial brings together laboratory, clinical and population-based sciences, in a unique collaboration between laboratory scientists and health professionals. The diagram below illustrates the Faculty's areas of research focus.



The Faculty of Medicine offers >20 different masters programmes including: “Human Molecular Genetics”, “Experimental Neuroscience”, “Molecular Medicine”, “Reproductive and Developmental Biology”, “Immunology”, “Modern Epidemiology” and “Integrative Biomedical Sciences”.

### Faculty of Natural Sciences

The research mission of the Faculty of Natural Sciences is to make fundamental discoveries and to apply these to the benefit of humanity. The diagram below illustrates the Faculty's research focus. The vertical arrows indicate five core areas of research in Fundamental and Basic Sciences. The horizontal arrows highlight key areas of interdisciplinary research within the Faculty and across Imperial College. These research themes draw upon knowledge resulting from each area of fundamental research.



The Faculty of Natural Sciences offers >30 masters programmes including “Bioimaging Sciences”, “Green Chemistry: Engineering, Energy and Environment”, “Nanomaterials”, “Bioinformatics and Systems Biology”, “Structural Molecular Biology”, “Conservation Science” and “History, Philosophy and Sociology of Science” (joint with University College London).

### **Imperial College Business School**

Imperial College Business School is a world-class provider of business education and research, focusing primarily on Imperial strengths in innovation and entrepreneurship, finance and healthcare management. It is Europe’s top business school for innovation and entrepreneurship and is currently ranked fifth globally.

Masters courses offered by the Business School include the MBA, “Actuarial Finance”, “Finance”, “Management” and “International Health Management”.

### **Humanities Department**

The Humanities Department offers masters programmes in “Creative Non-Fiction Writing”, “Science Communication”, “Science Media Production” and “Scientific, Technical and Medical Translation with Translation Technology”.