

# Imperial College London

FACULTY OF

# Medicine



**BSc Medical Biosciences**

*Applying scientific rigour to the challenges facing human health in the 21st century*

# BSc Medical Biosciences

Our interdisciplinary course gives you the chance to apply your talent for problem-solving to the critical challenges facing human health. You will explore the science underpinning medicine and its related fields, the principles and practice of biomedical science, and how they are applied in research, policy and industry.

With the potential to become one of tomorrow's leading scientists, you will have the opportunity to develop pure scientific rigour and skills as well as the analytical ability, professional outlook and interpersonal intelligence required to succeed in a changing world. The course will welcome its first cohort in October 2017.

## YEARS ONE AND TWO

You will study fundamental human biology and the molecular basis of human disease. Modules on cellular and molecular biology and pharmacology underpin, for example, infectious diseases and immunology, cancer and neurobiology. You will learn to 'think like a scientist' with a research-intensive, laboratory-focused curriculum, whilst workshops on critical health issues and modules in science communication and ethics will broaden your outlook and employability skills.

## YEAR THREE

In your third year you will choose specialist modules, each of which examines a global health problem, and a final year project. You will have the option to complete a 20 week intensive research project; a placement; or undertake a dissertation on a biomedical science topic. Placement possibilities may include industry, hospitals, publishing houses, museums, charities and government agencies.



“Imperial has allowed me to work alongside leading biomedical scientists, which exposed me to several cutting-edge areas of research in medicine. All of the best academic resources were at our fingertips, including world-class research labs.”

Susan Kilgas, final year biomedical science student,  
Imperial College London

“ This is an exceptional course and graduates should find themselves well prepared for a career in biomedical science and particularly the pharmaceutical industry.”

Karen Miller PhD, Vice President, Pharmaceutical Company



## BSC MEDICAL BIOSCIENCES WITH MANAGEMENT

A BSc Medical Biosciences with Management is also available, for those wishing to undertake a fourth year studying at Imperial College Business School.

## WHAT OUR GRADUATES DO

Our courses are designed to educate future leaders in research and industry, policymakers and science communicators. Medical Biosciences graduates may, for example, pursue careers as academic researchers; in technical and managerial industry roles; as journalists and museum curators.

## FACULTY OF MEDICINE

The BSc Medical Biosciences is taught in the Faculty of Medicine, one of the world's most respected and highest-ranked. Our BSc courses are underpinned by internationally-outstanding research and expertise. Our scientists have invented the world's first 'intelligent knife' for surgery, detecting cancerous tissue with 100% accuracy. They are also at the forefront of HIV and malaria vaccine development, gene therapy, stem cell research and pandemic modelling.



## MINIMUM ENTRY REQUIREMENTS

### A-LEVELS

#### AAA

overall, to include:

- A Biology or Human Biology
- A Chemistry, Mathematics or Further Mathematics, or Physics

If offering an A grade in Mathematics or Further Mathematics, the third A grade must be in a non-Mathematics subject.

### IB PROGRAMME

#### 38 points

overall, to include:

- 6 Biology at higher level
- 6 Chemistry, Mathematics, or Physics at higher level

### ADDITIONAL CRITERIA

- ✓ Higher level College English language requirement
- ✗ Admissions test
- ✗ Interview

### INTERNATIONAL QUALIFICATIONS

We welcome applications from overseas students and accept a wide variety of international qualifications. For further guidance see:

[www.imperial.ac.uk/study/ug/apply/requirements/ugacademic](http://www.imperial.ac.uk/study/ug/apply/requirements/ugacademic)

## FIND OUT MORE



For more information see:  
[www.imperial.ac.uk/medicine](http://www.imperial.ac.uk/medicine)



## CONTACT US

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