World Class Study: BSc Medical Biosciences

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www.imperial.ac.uk/study/ug/courses/biomedical-science/medical-biosciences/
BSc Medical Biosciences: Overview

- The course vision
- Course structure
- Facilities
- Where can BSc Medical Biosciences take you?
BSc Medical Biosciences: The Vision

- The key health challenges of the 21st century
- Interactive and practical learning methods
- Networking at the heart of the course
BSc Medical Biosciences: Course Structure

BSc Medical Biosciences
3 years, full time

BSc Medical Biosciences with Management
4 years, full time
BSc Medical Biosciences: Course Structure. Yr 1

8 hours per week
Real science labs
Skills

Lab Pod I

Face to Face classes
Guest lectures
Guided e-learning

Year 1: Fundamental Human Biology

4 core modules
Molecular & Cellular Biology
Protein Chemistry & Bioenergetics
Organisation Of Integrative Systems
Statistics

Inter-year networking
Work-relevant assessments
Transferable skills
Please note that this is an indicative timetable, and is subject to change.
BSc Medical Biosciences: Course Structure. Yr 2

2 core modules

- Cancer Biology
- Genetics & Genomics

Choose 4 modules

- Immunology & Inflammation
- Neurobiology
- Microbiome In Health & Disease
- Cardio-Vascular & Thoracic Biology
- Pharmacology
- Stem cells & Reproductive Biology

Lab Pod II

Year 2: The Molecular Basis of Disease
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<tr>
<th>Time</th>
<th>Monday</th>
<th>Tuesday</th>
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<tbody>
<tr>
<td>09:00</td>
<td>Module 1</td>
<td>Lab Pod</td>
<td>Guided self-study (e.g. e-learning)</td>
<td>Lab Pod II</td>
<td>Guided self-study (e.g. e-learning)</td>
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<td>Module 3</td>
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Choose 3 pathways:

Global health challenges & solutions
BSc Medical Biosciences: Facilities

- Teaching Laboratories: refurbished <5 yrs
- Libraries
- Computer rooms
- Cafeterias
- Sports facilities
- Dedicated teachers
BSc Medical Biosciences: Where will you go?
BSc Medical Biosciences: Where will you go?

Academia
- Experimental research
- Technical expert
- Technology transfer
- Management & administration

Education

NFP Research Institutions
- Experimental research
- Technical expert
- Technology transfer
- Management & administration

Communication

Industry
- Experimental research
- Technical expert
- Technology transfer
- Management & administration

Sales, marketing & finance

Science policy & communication
- Management & administration

Civil service
- Public policy
- Think tanks

Think tanks
- Public engagement
- Journalism

Management & administration

Management & administration

Public engagement
Specialist skills

• Research
• Technical
• Specialised knowledge
• Scientific reasoning
• Analytical skills
• Awareness of ethics

Communication skills

• Team work, cooperation, collaboration, compromise, problem-solving
• Academic & general writing
• Public speaking, debate & discussion

Life skills

• Independence
• Effective time management
• Leadership
• Resilience
• Confidence
“This is the first time a degree course has combined such an exciting biomedical curriculum with an equal emphasis on developing necessary vocational skills.”

Vice-President,
Global Pharmaceutical Company