Study with us
About your course

Courses covered

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>LMMOLBIO</td>
<td>MSc Molecular Biotechnology</td>
</tr>
<tr>
<td>LMMEDMIC</td>
<td>MSc Medical Microbiology</td>
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You can find full details of your course in the *Programme Specification*.

Important points

The programmes are designed to provide a postgraduate education in Molecular Biotechnology, Medical Microbiology, Cancer Immunotherapy and MSc Drug Discovery and Toxicology for graduates in the Biosciences and Biological Chemistry. A strong practical foundation is provided in the first semester with the study of modules that concentrate on the basic principles and techniques used in modern molecular biology investigations, on aspects of cellular molecular biology and development, biology of genes and proteins. Students on both programmes share a module on Molecular Cell Biology and Immunology in semester A with students on other pathways on postgraduate Biosciences programmes.

In the second semester there is a progression to problem-based learning (PBL) to develop an in-depth understanding of the application of molecular biological approaches to the production of industrial and medicinal proteins, the characterisation of selected diseases and the design of new drugs for their treatment. The programmes share the Genome Science module and there will also be a pathway specific module in semester B. For the MSc Molecular Biotechnology, the pathway specific module is Applied Biotechnology and for the MSc Medical Microbiology, it is Contemporary Topics in Medical Microbiology.

During the final semester, the research project may include general cellular molecular biology, bioinformatics, and microbiology projects.

The use of problem-based learning approaches is a key feature of the programme and will promote development of investigative skills, the ability to work in a group and confidence in the investigation of new research areas.

The programmes are assessed by 100% coursework that involves various assessments such as writing lab reports, presenting seminars, writing mini-portfolios, PBL reports, viva-voce and in-class tests. Please note that the coursework includes in-class tests.

The programmes are offered as one-year full time courses and two-year part time courses.
Academic Year

**Academic Year 2020 – 2021**

The University’s academic year is made up of 3 Semesters. Normally most postgraduate programmes use Semesters A, B and C. Each of these is made up of 12 teaching weeks.

- Semester A runs from Monday 21 September 2020 to Friday 15 January 2021
- Semester B runs from Monday 18 January 2021 to Friday 21 May 2021
- Semester C runs from Monday 24 May 2021 to Friday 17 September 2021

**Additional expenses**

<table>
<thead>
<tr>
<th>Description</th>
<th>Year</th>
<th>Mandatory/ Optional</th>
<th>Estimated cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Textbook for each module</td>
<td>1</td>
<td>Optional</td>
<td>60x4=240</td>
</tr>
<tr>
<td>Travel expenses if research project is carried out in industry</td>
<td>1 or 2</td>
<td>Optional</td>
<td>£100-£200</td>
</tr>
</tbody>
</table>

No additional expenses have been specified for this course. The lab coats and laboratory log books will be provided as part of the course fee.