

Programme Information		
Programme Title	Programme Code	HECoS Code
MSc Molecular Medicine	A3TX	For Registry Use Only

Award	Length of Study	Mode of Study	Entry Point(s)	Total Credits	
				ECTS	CATS
MSc	12 months	Full-Time	Annually in October	90	180

Ownership			
Awarding Institution	Imperial College London	Faculty	Faculty of Medicine
Teaching Institution	Imperial College London	Department	Infectious Disease
Associateship	Diploma of Imperial College (DIC)	Main Location(s) of Study	Hammersmith Hospital Campus
External Reference			
Relevant <a href="#">QAA Benchmark Statement(s)</a> and/or other external reference points	QAA Masters level 7		
<a href="#">FHEQ Level</a>	Masters level 7		
<a href="#">EHEA Level</a>	2 <sup>nd</sup> Cycle		
External Accreditor(s) (if applicable)			
External Accreditor 1:	N/A		
Accreditation received:	N/A	Accreditation renewal:	N/A

<b>Collaborative Provision</b>			
Collaborative partner	Collaboration type	Agreement effective date	Agreement expiry date
N/A	N/A	N/A	N/A
<b>Specification Details</b>			
Programme Lead		Dr Paras Anand Dr Tom McKinnon	
Student cohorts covered by specification		2023-24 entry	
Date of introduction of programme		October 1996	
Date of programme specification/revision		August 2023	

<b>Programme Overview</b>
<p>The MSc programme is intended to present the scope and extraordinary potential which molecular and cellular biology promises in medical fields such as cancer, inherited diseases, infectious diseases and gene therapy. The programme will provide comprehensive lectures and interactive sessions in the areas in which rapid advances are now being made; in addition, you will learn the theory of state-of-the-art techniques and get training by our research teams in their laboratories. You will also conduct a 6 months research project. The programme will not only provide a solid foundation for those who intend to go on to study for a PhD but the skills acquired will equip them to pursue careers in hospitals, industry, the public sector and non-governmental organisations.</p> <p>In addition to preparing you to become researchers in Molecular Medicine (main professional outcome) by helping you strengthen your knowledge, creativity, and critical thinking skills, the programme will also give you opportunities to develop your communication and team working skills.</p>
<b>Learning Outcomes</b>
<p>On completion of the MSc Molecular Medicine programme, you will be able to:</p> <ol style="list-style-type: none"> <li>1. Critically appraise molecular and biological medicine data from a range of sources.</li> <li>2. Communicate advanced concepts in molecular and biological medicine clearly and effectively to both scientifically-literate and lay audiences in both written and oral forms.</li> <li>3. Self-critique by reflecting on coursework evaluation, project reports, critical reviews of scientific papers</li> <li>4. Deploy effective problem-solving strategies in data analysis and experimental design</li> <li>5. Interpret research data in the wider context of molecular medicine.</li> <li>6. Defend your experimental plan to a research community.</li> <li>7. Recognise the success, failure and the uncertainty inherent in research</li> <li>8. Work independently and as part of team; provide and receive constructive feedback to and from peers.</li> </ol>
<p>The Imperial Graduate Attributes are a set of core competencies which we expect students to achieve through completion of any Imperial College degree programme. The Graduate Attributes are available at: <a href="http://www.imperial.ac.uk/students/academic-support/graduate-attributes">www.imperial.ac.uk/students/academic-support/graduate-attributes</a></p>

<b>Entry Requirements</b>	
Academic Requirement	<p>A minimum of a 2:2 UK Bachelor's degree in an appropriate biological science subject (e.g. Biology, Biochemistry, Biomedical Sciences, medicine, dentistry or veterinary science) or equivalent.</p> <p>For further information on entry requirements, please go to <a href="http://www.imperial.ac.uk/study/apply/postgraduate-taught/entry-requirements/accepted-qualifications/">www.imperial.ac.uk/study/apply/postgraduate-taught/entry-requirements/accepted-qualifications/</a></p>
Non-academic Requirements	N/A
English Language Requirement	<p><a href="#">Standard requirement</a> IELTS score of 6.5 overall (minimum 6.0 in all elements)</p>
Admissions Test/Interview	<p>Admissions are conducted by two programme team members. Decisions are made following review of applications which need to include academic results to date, a cv, personal statement and two reference letters.</p>
<p>The programme's competency standards documents are available from the department.</p>	
<b>Learning &amp; Teaching Approach</b>	
<p><b>Learning and Teaching Delivery Methods:</b></p> <p>Over the course of the programme, you will be taught using many approaches which are as much as possible reflective of the way the scientific community works and interacts. The taught part of the programme will be delivered in a blended manner which will require you to study independently prior to face to face sessions. These will be in the form of small group tutorials, data interpretation sessions, journal club, workshops, group work sessions and more traditional lectures. In the MSc, you will have the opportunity to be taught directly by our research teams in their laboratories or online. During your laboratory-based project, you will learn from interacting with researchers, presenting in lab meetings, attending seminars, observing others and receiving feedback on your work.</p> <p><b>Overall Workload:</b></p> <p>Your overall workload will consist of face-to-face sessions and independent learning. While your actual contact hours may vary according to the module you are studying, the following gives an indication of how much time you will need to allocate to different activities. At Imperial, each ECTS credit taken equates to an expected total study time of 25 hours. Therefore, the expected total study time is 2250 hours for the 90 ECTS MSc.</p>	
<b>Assessment Strategy</b>	
<p><b>Assessment Methods</b></p> <p>Summative assessments will be in the form of written examinations, oral individual and group presentations, grant application writing, posters, scientific papers, research project thesis and viva, research plan, and research group meetings. Assessments will usually take place at the end of each module, following consolidation time of independent study. Formative assessments will be in the form of journal club presentation and the feedback will be provided on your oral presentation skills, your ability to interpret and critically evaluate scientific data.</p>	
<p><b>Academic Feedback Policy</b></p> <p>Students will be provided with feedback dates at the start of year. The programme will aim to return provisional marks and individual feedback as per College guidelines (see below). Exception to the 10-working day best practice recommendation will be notified at the start of year. Feedback will notably take the form of provisional marks, individual feedback, class feedback sessions, small group discussion, or peer feedback. In addition, the programme will ensure that feed-forward opportunities are imbedded into the programme.</p>	

The College's Policy on Academic Feedback and guidance on issuing provisional marks to students is available at:

[www.imperial.ac.uk/about/governance/academic-governance/academic-policy/exams-and-assessment/](http://www.imperial.ac.uk/about/governance/academic-governance/academic-policy/exams-and-assessment/)

#### Re-sit Policy

The College's Policy on Re-sits is available at: [www.imperial.ac.uk/about/governance/academic-governance/academic-policy/exams-and-assessment/](http://www.imperial.ac.uk/about/governance/academic-governance/academic-policy/exams-and-assessment/)

#### Mitigating Circumstances Policy

The College's Policy on Mitigating Circumstances is available at:

[www.imperial.ac.uk/about/governance/academic-governance/academic-policy/exams-and-assessment/](http://www.imperial.ac.uk/about/governance/academic-governance/academic-policy/exams-and-assessment/)

#### Additional Programme Costs

This section should outline any additional costs relevant to this programme which are not included in students' tuition fees.

Description	Mandatory/Optional	Approximate cost
N/A	N/A	N/A

**Programme Structure****Year 1 – FHEQ Level 7****You will study all core modules.**

Code	Module Title	Core/ Compulsory/ Elective	Group	Term	Credits
INFE70009	Module 1 - Molecular and Cellular Systems	Core		Autumn	15
INFE70010	Module 2 - Disease Systems	Core		Autumn	15
INFE70011	Module 3 - Mini-Research Project (MRP)	Core		Spring	15
INFE70012	Module 4 - Laboratory Based Research Project (LBRP)	Core		Spring-Summer	45
Credit Total					90

## Progression and Classification

Award of the MSc in Molecular Medicine:

To qualify for the award of MSc in Molecular Medicine you must have accumulated to the value of no fewer than 90 credits at Level 7.

Classification:

The College sets the class of Degree that may be awarded as follows:

Distinction: 70% or above.

Merit: 60% or above but less than 70%.

Pass: 50% or above but less than 60%.

Your classification will be determined through the Programme Overall Weighted Average and the Laboratory Based Research Project (LBRP) module meeting the threshold for the relevant classification band.

Your degree algorithm provides an appropriate and reliable summary of your performance against the programme learning outcomes. It reflects the design, delivery, and structure of your programme without unduly over-emphasising particular aspects.

## Programme Specific Regulations

N/A

## Supporting Information

The Programme Handbook is available from the department.

The Module Handbook is available from the department.

The College's entry requirements for postgraduate programmes can be found at:  
[www.imperial.ac.uk/study/apply/postgraduate-taught/entry-requirements/accepted-qualifications/](http://www.imperial.ac.uk/study/apply/postgraduate-taught/entry-requirements/accepted-qualifications/)

The College's Quality & Enhancement Framework is available at:  
[www.imperial.ac.uk/registry/proceduresandregulations/qualityassurance](http://www.imperial.ac.uk/registry/proceduresandregulations/qualityassurance)

The College's Academic and Examination Regulations can be found at:  
[www.imperial.ac.uk/about/governance/academic-governance/regulations](http://www.imperial.ac.uk/about/governance/academic-governance/regulations)

Imperial College is an independent corporation whose legal status derives from a Royal Charter granted under Letters Patent in 1907. In 2007 a Supplemental Charter and Statutes was granted by HM Queen Elizabeth II. This Supplemental Charter, which came into force on the date of the College's Centenary, 8th July 2007, established the College as a University with the name and style of "The Imperial College of Science, Technology and Medicine".  
[www.imperial.ac.uk/admin-services/secretariat/college-governance/charters/](http://www.imperial.ac.uk/admin-services/secretariat/college-governance/charters/)

Imperial College London is regulated by the Office for Students (OfS)  
[www.officeforstudents.org.uk/advice-and-guidance/the-register/](http://www.officeforstudents.org.uk/advice-and-guidance/the-register/)

This document provides a definitive record of the main features of the programme and the learning outcomes that you may reasonably be expected to achieve and demonstrate if you take full advantage of the learning opportunities provided. This programme specification is primarily intended as a reference point for prospective and current students, academic and support staff involved in delivering the programme and enabling student development and achievement, for its assessment by internal and external examiners, and in subsequent monitoring and review.