

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

Students can apply to the MSc.

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

Collaborative Provision			
Collaborative partner	Collaboration type	Agreement effective date	Agreement expiry date
N/A	N/A	N/A	N/A
Specification Details			
Programme Lead		Dr Paras Anand Dr Tom McKinnon	
Student cohorts covered by specification		2022-23 entry	
Date of introduction of programme		October 1996	
Date of programme specification/revision		September 2022	

Programme Overview
<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>
Learning Outcomes
<p>On completion of the MSc Molecular Medicine programme, you will be able to:</p> <ol style="list-style-type: none"> 1. Critically appraise molecular and biological medicine data from a range of sources. 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. 3. Self-critique by reflecting on coursework evaluation, project reports, critical reviews of scientific papers 4. Deploy effective problem-solving strategies in data analysis and experimental design 5. Interpret research data in the wider context of molecular medicine. 6. Defend your experimental plan to a research community. 7. Recognise the success, failure and the uncertainty inherent in research 8. Work independently and as part of team; provide and receive constructive feedback to and from peers.
<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: www.imperial.ac.uk/students/academic-support/graduate-attributes</p>

Entry Requirements	
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 https://www.imperial.ac.uk/study/pg/apply/requirements/pgacademic/</p>
Non-academic Requirements	N/A
English Language Requirement	<p>Standard requirement 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 can be found at: TBA</p>	
Learning & Teaching Approach	
<p>Learning and Teaching Delivery Methods:</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>Overall Workload:</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>	
Assessment Strategy	
<p>Assessment Methods</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.</p> <p>Assessments will usually take place at the end of each module, following consolidation time of independent study.</p> <p>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>Academic Feedback Policy</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/

Re-sit Policy

The College's Policy on Re-sits is available at: www.imperial.ac.uk/student-records-and-data/for-current-students/undergraduate-and-taught-postgraduate/exams-assessments-and-regulations/

Mitigating Circumstances Policy

The College's Policy on Mitigating Circumstances is available at: www.imperial.ac.uk/student-records-and-data/for-current-students/undergraduate-and-taught-postgraduate/exams-assessments-and-regulations/

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****Students study all core modules.**

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

Progression and Classification

Award of the MSc in Molecular Medicine:

To be awarded your MSc in Molecular Medicine you will need to pass all modules of the programme with a minimum average mark of 50% for each module.

Classification:

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

Distinction: you will need to achieve an overall weighted average of 70% or above across the programme, as well as a minimum of 70% in your 6-months Laboratory Based Research Project (LBRP).

Merit: you will need to achieve an overall weighted average of above 60% but less than 70% across the programme, as well as a minimum of 60% in your LBRP.

Pass: you will need to achieve an overall weighted average of 50% but less than 60% across the programme, as well as a minimum of 50% in your LBRP.

Please find the full Academic Regulations at <https://www.imperial.ac.uk/about/governance/academic-governance/regulations/>

Please follow the prompts to find the set of regulations relevant to your programme of study.

Programme Specific Regulations

N/A

Supporting Information

The Programme Handbook is available at: **TBA**

The Module Handbook is available at: **TBA**

The College's entry requirements for postgraduate programmes can be found at:
www.imperial.ac.uk/study/pg/apply/requirements

The College's Quality & Enhancement Framework is available at:
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

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/

Imperial College London is regulated by the Office for Students (OfS)
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 a typical student may reasonably be expected to achieve and demonstrate if s/he takes 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.

Modifications

Description	Approved	Date	Paper Reference
N/A	N/A	N/A	N/A