

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

Award	Length of Study	Mode of Study	Entry Point(s)	Total Credits	
				ECTS	CATS
MSc Molecular Medicine	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	Department of Medicine
Associateship	N/A	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

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
Student cohorts covered by specification	2019/20 entry

Date of introduction of programme	October 2019 (MSc stated in October 1996)
Date of programme specification/revision	October 2018
<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 hands-on training by our research teams in their laboratories. You will also conduct a 6 months laboratory-based research project.</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 graduation, 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. Design, implement, troubleshoot, and manage a novel research project .</li> <li>6. Generate and interpret research data in the wider context of molecular medicine.</li> <li>7. Defend and persuade own research findings to a research community.</li> <li>8. Recognise the success, failure and the uncertainty inherent in research</li> <li>9. Work independently and as part of team; provide and receive constructive feedback to and from peers.</li> <li>10. Practice and advocate safe laboratory practices; manage time, space and laboratory resources diligently</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="https://www.imperial.ac.uk/study/pg/apply/requirements/pgacademic/">https://www.imperial.ac.uk/study/pg/apply/requirements/pgacademic/</a></p>
Non-academic Requirements	N/A
English Language Requirement	<p><a href="#">Standard requirement</a> Please check for other <a href="#">Accepted English Qualifications</a></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: <b>TBA</b></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. During your laboratory-based project, you will learn from interacting on a daily basis 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 <a href="#">ECTS credit</a> 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>	
<b>Assessment Methods</b>	
<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 laboratory 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>	
<b>Academic Feedback Policy</b>	
<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: <a href="http://www.imperial.ac.uk/about/governance/academic-governance/academic-policy/exams-and-assessment/">www.imperial.ac.uk/about/governance/academic-governance/academic-policy/exams-and-assessment/</a>
Re-sit Policy
The College's Policy on Re-sits is available at: <a href="http://www.imperial.ac.uk/student-records-and-data/for-current-students/undergraduate-and-taught-postgraduate/exams-assessments-and-regulations/">www.imperial.ac.uk/student-records-and-data/for-current-students/undergraduate-and-taught-postgraduate/exams-assessments-and-regulations/</a>
Mitigating Circumstances Policy
The College's Policy on Mitigating Circumstances is available at: <a href="http://www.imperial.ac.uk/student-records-and-data/for-current-students/undergraduate-and-taught-postgraduate/exams-assessments-and-regulations/">www.imperial.ac.uk/student-records-and-data/for-current-students/undergraduate-and-taught-postgraduate/exams-assessments-and-regulations/</a>

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 <sup>1</sup>					
Year 1 – FHEQ Level 7					
Students study all core modules.					
Code	Module Title	Core/Elective/Compulsory		Term	Credits
	Module 1 - Molecular and Cellular Systems	Compulsory		1	15
	Module 2 - Disease Systems	Compulsory		1	15
	Module 3 - Mini-Research Project (MRP)	Compulsory		2	15
	Module 4 - Laboratory Based Research Project	Core		2 - 3	45
Credit Total					90

<sup>1</sup> **Core** modules are those which serve a fundamental role within the curriculum, and for which achievement of the credits for that module is essential for the achievement of the target award. Core modules must therefore be taken and passed in order to achieve that named award. **Compulsory** modules are those which are designated as necessary to be taken as part of the programme syllabus. Compulsory modules can be compensated. **Elective** modules are those which are in the same subject area as the field of study and are offered to students in order to offer an element of choice in the curriculum and from which students are able to select. Elective modules can be compensated.

## 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.

You are allowed one compensated module (average mark for that module between 40.00 – 49.99%) up to a size of 15 ECTS and providing your overall mark for the degree is above 50.00%.

### 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 70.00% or above across the programme, as well as a minimum of 70.00% in your Research Project.

**Merit:** you will need to achieve an overall weighted average of above 60.00% but less than 70.00% across the programme, as well as a minimum of 60.00% in your Research Project.

**Pass:** you will need to achieve an overall weighted average of 50.00% but less than 60.00% across the programme, as well as a minimum of 50.00% in your Research Project.

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](http://www.imperial.ac.uk/study/pg/apply/requirements)

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 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