Programme Information		
Programme Title	Programme Code	HECoS Code
Physics with a Year Abroad	F309	For Registry Use Only

Award	Length of Study	Mode of Study	Entry Point(s)	Total Credits	
				ECTS	CATS
MSci	4 academic years	Full-time	Annually in October	240	480
BSc(*) – F300	N/A	N/A	N/A	180	360
DipHE(**) – F303D	N/A	N/A	N/A	120	240
CertHE(**) – F303C	N/A	N/A	N/A	60	120

(*)The BSc exit degree may be awarded to students who wish to conclude their studies at the end of Year 3, subject to meeting all the requirements for the BSc.

(**)The DipHE and CertHE exit awards are not accredited by any professional body. They may be offered to a student as an exit award at the discretion of the Board of Examiners. You must apply to and join the MSci.

Ownership			
Awarding Institution	Imperial College London	Faculty	Natural Sciences
Teaching Institution	Imperial College London	Department	Physics
Associateship	Royal College of Science	Main Location(s) of Study	South Kensington Campus
External Reference			
Relevant QAA Benchmark Statement(s) and/or other external reference points		Physics, Astronomy and Astrophysics The Physics Degree (Institute of Physics)	
FHEQ Level		Level 7	
EHEA Level		2nd cycle	
External Accreditor(s) (if applicable)			
External Accreditor 1:	Institute of Physics (IoP)		
Accreditation received:	2022	Accreditation renewal:	2027

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 Derek Lee (DUGS)
Student cohorts covered by specification	2026-2027 entry
Date of introduction of programme	October 2019
Date of programme specification/revision	May 2025

Programme Overview

Physics is the *fundamental* science whose principles and laws underpin most other science and engineering disciplines. At the heart of a physics degree is the ability to solve problems concerning the physical world. Problems in physics can relate to phenomena on gigantic scales such as the cosmos, or minutely small ones (e.g. quantum particles) and virtually any other scale in between. Throughout your physics degree programme, you will develop a large range of problem-solving skills that can also be applied to many other (seemingly unrelated) situations. Hence, by the time you complete your physics degree, you would have built a strong platform with which to launch a professional career from along many different trajectories.

The bulk of your Physics degree programme will be taught within the physics department at our South Kensington campus. Consistently at the forefront of research and education and comprising nine internationally renowned research groups, the Blackett Laboratory is amongst the strongest in the UK - containing many world-leading researchers. These same researchers will be the ones who deliver the programme to you, including graduate teaching assistants (GTA) in labs and tutorials, to postdoctoral researchers and academic staff who have a high level of expertise in their specific field.

Your Physics degree programme will comprise core modules, compulsory modules, elective modules, laboratory work, project work, and collaborative group work[1]. The core modules are largely common for most Physics degree programmes and include mathematics, mechanics, vibrations and waves, electromagnetism, optics, thermodynamics, statistical physics, relativity, quantum physics, atomic-, nuclear- and particle physics, and solid-state physics. You will spend your third year studying at a partner institution outside of the UK (France, Germany, Italy, Netherlands, Spain, Switzerland, USA), undertaking a substantial project (at Master's level) and a selection of locally provided modules. Year 4 will be spent back at Imperial, where you will have access to a wide range of elective modules reflecting the diverse research specialisms of the Department. You will therefore have the opportunity to either specialise in a specific area of Physics, or receive a broad Physics education up to Masters-level standard (FHEQ Level 7).

[1] **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.

Admission is made directly to the programme in Year 1 for European host institutions where language training is provided in Years 1 and 2. European host languages include French, German, Italian and Spanish. Students, unless fluent in their intended host language, are required to attend Horizons language modules during Year 1 and Year 2. Language level requirements depend on the specific language and the existing proficiency of the student on entry. As a typical example, a student entering with GCSE level French would be expected to attend French Level 2 in Year 1 and French Level 3 in Year 2. For English speaking host institutions, a student enrolled on one of the other Physics programmes (BSc in Physics (F300), BSc in Theoretical Physics (F325), MSci in Physics (F303), MSci in Theoretical Physics (F390)) can be transferred to the F309 programme in Year 2 if they succeed in bidding for an English-speaking exchange placement. Candidates are asked to submit a CV and a brief personal statement of their motivation for wishing to study at the specific host.

Throughout your physics degree, you are also provided with the opportunity to develop a broad range of professional skills to prepare you for the world outside of university. Demand for our graduates is high; they are much sought after for their analytical and problem-solving skills. In general, about half of those who graduate go on to study further at postgraduate level, such as MSc or PhD degrees whether in the UK or abroad. Others gain employment in a wide range of graduate destinations ranging from traditional 'technical' industries, such as oil and gas, to telecommunications, business consultancy, banking, finance, and the public sector such as education, health, or defence. Whether you're sure what you want to do after graduation, or even if you have no idea at this stage, this physics degree will keep your career options open.

Learning Outcomes

On completion of Year 1, you will be able to:

1. demonstrate knowledge and a basic understanding of some of the fundamental principles, concepts and associated mathematical tools of physics including mechanics and special relativity, oscillations, waves, optics and electricity and magnetism;
2. appreciate the importance of mathematics to physics and be able to express physics problems using appropriate mathematical language;
3. solve well-defined problems in physics, identifying appropriate principles, selecting and using mathematical tools, making appropriate simplifications, estimations and approximations;
4. apply basic computational techniques to analyse data and solve scientific problems numerically;
5. use a range of basic physics laboratory equipment, design and run experiments to test basic scientific hypotheses, keep records, make measurements, use statistical analysis for experimental data and uncertainties and report findings;
6. work independently and constructively in small groups to plan and execute well-defined tasks and projects and meet deadlines.

In addition, on completion of Year 2, you will be able to:

7. demonstrate knowledge and an understanding of some of the fundamental models and concepts and associated mathematical tools of modern physics and their applications, including thermodynamics, quantum physics, and electromagnetism;
8. use computer programming to tackle well-defined and open-ended problems in physics;
9. plan and execute experiments to investigate existing theories and models and extend these experiments to test hypotheses;
10. organize and communicate complex scientific information to a range of audiences in written forms;
11. adopt an evidence-based approach making use, as appropriate, of mathematics, experiment and observation in line with the fundamental nature of physics as a science founded on mathematics, experiment and observation.

In addition, on completion of Year 3 (Year Abroad), you will be able to:

12. apply in-depth knowledge and understanding in several chosen advanced subjects in physics;
13. work independently and constructively as part of a team, planning, designing and executing practical or theoretical extended projects, presenting findings to a critical expert audience in written, and oral forms;
14. communicate, especially in a scientific setting, in the local language of your host university;

15. adapt effectively to an unfamiliar learning and working environment in an international context;
16. be objective, open-minded, critically-thinking and curious and have the confidence to apply understanding and skill to tackle new and complex challenges within and beyond the discipline;
17. reflect critically on understanding, learning and skills, identifying strengths and areas for further development, to grow continually in expertise.

In addition, on completion of Year 4, you will be able to:

18. apply an integrated understanding of classical and modern physics and associated mathematical tools and use them to tackle both well-defined and open-ended problems making appropriate simplifications, estimations and approximations, to formulate solutions and present them logically;
19. demonstrate knowledge and understanding of the fundamental models and concepts of physics and their applications.
20. apply a deep understanding in several chosen subjects in physics up to the current frontiers of research.

The Imperial Graduate Attributes are a set of core competencies which we expect students to achieve through completion of any Imperial degree programme. The Graduate Attributes are available at: www.imperial.ac.uk/about/education/our-graduates/

Entry Requirements	
Academic Requirement	A-level requirement: a minimum of A*A*A overall. Subject specific requirements: A* in Mathematics, A* in Physics, A in another subject (Further Mathematics is recommended, but not essential). Additionally: GCSE grade B/6 in an appropriate modern foreign language. General Studies and Critical Thinking are not accepted. Students taking English exam board science A-levels will be required to pass the practical endorsement. IB requirements: a minimum overall mark of 40. Subject specific requirement: 7 in Mathematics* at a higher level, 7 in Physics at a higher level, 6 in a third subject at a higher level. Additionally: an appropriate modern foreign language grade 2 higher level, or grade 3 standard level *Mathematics Analysis and Approaches or the Applications and Interpretation syllabi will be accepted at higher level, but Analysis and Approaches is preferred. For further information on entry requirements, please go to www.imperial.ac.uk/study/apply/undergraduate/entry-requirements/
Non-academic Requirements	An ATAS certificate is required for all non-EEA/Swiss nationals who require a visa to study in the UK.
English Language Requirement	Higher requirement Please check for other Accepted English Qualifications
Admissions Test/Interview	All applicants are required to take the Engineering and Science Admissions Test (ESAT) in either October or January. The results of

	the test will be used along with all other application information in a holistic review to inform the selection for offers made.

The programme's competency standards documents are available from the department.

Learning & Teaching Approach

Learning and Teaching Delivery Methods

The programme is delivered using a range of methods including lectures, tutorials, laboratory classes, computational classes and directed supervision on projects. The exact nature of the session depends on the content, the number of people in the class, the point in the programme and the personal styles and preferences of the module coordinators.

Lectures have between about 250 students for core modules to as few as 20 for some electives. The size of the lecture theatre is selected to cater for the number of students on the module. Lectures are typically 50-minute oral presentations augmented, when appropriate, with the use of handwritten notes (on a board or visualiser), handouts of notes, multimedia presentations, live demonstrations, video clips, quizzes, in-class discussion and in-class exercises. You will sometimes be asked to do preparation in advance of sessions, for example directed reading, revision of key material, or completion of problems. Lecturers provide **office hours** - drop in sessions where students can turn up without appointment to ask lecturers any questions they wish about the module. Lecturers will also supply directed learning guidance, often in the form of a weekly problem sheet with a range of self-study exercises and directed reading. Lectures are supported through online materials that may include notes, problem sheets and solutions, additional reading resources, interactive demonstrations and worksheets, lecture recordings, questionnaires and communications.

Tutorials and Seminars can range from small group teaching sessions with typically about 20>60 students with a lecturer and graduate teaching assistant to smaller sessions with four students and a lecturer. These may be used for problem solving, group exercises, discussion of problem sheets and questions arising from lectures. Tutorials often lead to open exchange and discussion of ideas going beyond the syllabus.

Laboratory sessions range from specific and directed training on use of equipment and basic procedures on lab protocol including basic health & safety and hazard awareness, through to open-ended experiments covering several hours of lab time with on-hand guidance from demonstrators to longer research projects lasting several weeks with minimal guidance. In most sessions you work with a lab partner. You will also work with laboratory technicians whom you will be expected to liaise with regarding many aspects of laboratory work. You will be trained in keeping a lab book and in scientific report writing. You will be expected to write up work as formal lab reports with the exact rubric becoming more advanced and nuanced as the degree progresses; by the end of year 4 the reports you submit will be approaching the levels required by peer reviewed scientific journals.

Computing is usually taught in the department's computer teaching suite. Computing sessions for core modules will typically be in groups of about 30 students supported by a group of 4 or 5 teaching staff comprising graduate teaching assistants and at least one member of academic staff.

Projects are typically substantial pieces of work that may be done in pairs, small groups, or sometimes individually. You will have several opportunities to undertake projects, including a summer project in Term 3 of Year 1 and a major project at Masters level while abroad in Year 3.

Overall Workload

Your overall workload consists of face-to-face sessions and independent learning. While your actual contact hours may vary according to the optional modules you choose to study, the following gives an indication of how much

time you will need to allocate to different activities at each level of the programme. At Imperial, each ECTS credit taken equates to an expected total study time of 25 hours. Therefore, the expected total study time is 1,500 hours per year. During the first two years, scheduled contact hours are envisaged to take up about half the time you work on the programme. This includes approximately 10-15 hours of lectures and tutorials and 6 hours of laboratory work per week. The rest of the time is typically spent on independent learning, such as working on problem sheets, revising course material, writing lab reports and background reading. From Year 3, the pattern of work depends on your chosen electives. The Year Abroad and Year 4 on this programme replace Year 3 and Year 4 of our MSci programmes (F300/F390) delivered at Imperial. The workload during the Year Abroad is comparable to that a student on the F303/F390 programme would undertake in Year 4 at Imperial. The workload during the Year 4 back at Imperial is comparable to that a student on the F303/F390 programme would undertake in Year 3 at Imperial. During the Year Abroad, you can typically expect to spend about 120 hours in lectures, complemented by lab, classwork, tutorials and independent learning (though the combination and relative importance depend on the list of courses taken at the host institute) [625 hours total] and about 875 hours on your research project. In the final year about 250 hours over the year in lectures, tutorials and laboratory, with the remaining time on independent learning.

Assessment Strategy

Assessment Methods

A variety of assessment methods will be used to test your understanding. Assessments may be formative, summative or both.

Formative assessments do not contribute to the module mark but provide information on your progress as an individual and in the context of the teaching session. This allows you to learn by using your new skills to solve problems and receive feedback on your performance to guide your future learning. This supports you to achieve a better performance in the summative assessments which do count towards your module marks. Formative assessments also provide feedback to the teaching staff which allow us to adapt our teaching to the needs of the learner.

Summative assessments are used to assess your learning against the intended module learning outcomes and contribute towards your achievement of the programme learning outcomes, detailed above. All modules contain aspects of summative assessment and these assessments will contribute towards your mark for each year. Usually the grades for summative assessment are assigned by lecturers or graduate teaching assistant but occasionally your work will be peer assessed (i.e., your grade is provided by one or more of your fellow students), but always moderated and approved by a member of staff.

The choice of assessment method is largely determined by the nature of the module and its learning outcomes.

The main types of assessment include the following.

- **Computing reports and Laboratory reports** are reports that are usually marked by a graduate teaching assistant (and checked by a member of staff) or by a member of staff before being returned to you. They often carry a summative grade.
- **Scientific writing exercises** may have both summative and formative assessment components.
- **Project reports** are typically summatively-assessed major pieces of work that are written as part of a project such as the Year One Project and the MSci project.

- **Oral presentations and/or vivas** may be done individually, sometimes in a pair and sometimes in a larger group. They often have a small summative grade component but some are wholly formative assessment with no grade attached.
- **Poster presentations** can be both summative and formative.
- **Written examinations** are associated with most non-laboratory and computing modules and often carry a relatively high fraction of the grade for the module.

Other in-course assessments that some modules may have include the following.

- **Written problems** may contain a combination of summative and formative assessment, with some problems for submission for assessment (either online, often as multiple choice, or by handwriting and paper delivery).
- **Progress tests and quizzes** feature in many modules and are often purely formative but may contain a summative grade.
- **Mastery tests** are exam style tests on the most essential elements of a module. They typically have a high passing grade and must be passed. You are permitted to take the mastery tests on more than one occasion.

The table below is indicative of the balance of assessment based on a typical pathway through the course.

	Year 1	Year 2	Year 3	Year 4
Coursework	25%	20%	35%	15%
Practical	15%	10%	15%	15%
Written	60%	70%	50%	70%

Academic Feedback Policy

Feedback is an essential part of learning and the Department gives high priority to providing timely and high-quality feedback to students on all modules throughout the degree. Feedback highlights strengths and weaknesses of any previous work and identify areas for improvement. Feedback works best as an active exercise and you are expected to engage with all forms of feedback to maximise what you can get out of your learning.

Feedback will be provided for all assessments carried out as part of this programme and takes many forms depending on the nature and learning outcomes of the module involved. Examples of feedback styles are:

▪ Oral feedback to a group may be provided during or after lectures

▪ Personal feedback may follow from discussion with lecturers during office hours or meetings with Personal Tutors

▪ Interactive feedback may follow from peer group discussion

▪ Written feedback may take the form of solutions to coursework or writing on formal reports.

It is important to realise that not all feedback is structured and written into module specifications. Some of the most important feedback comes from one's own self-reflection and from real-time discussion (orally or online) with peers, graduate teaching assistants and lecturers.

For formal assessments, Imperial's policy is to provide formal feedback within 10 working days of submission for most exercises and the Department of Physics adheres to this policy. For any exceptions, you will be informed in advance of the coursework being set. During the year abroad, formal assessments related to courses fall under the policy of the host university.

Exams grades are provided after the examiners' meetings. Dates for these meeting will be provided during the academic year.

Imperial'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
Imperial's Policy on Re-sits is available at: www.imperial.ac.uk/about/governance/academic-governance/academic-policy/exams-and-assessment/
Mitigating Circumstances Policy
Imperial's Policy on Mitigating Circumstances is available at: 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.
Students will need to consider the costs involved with placements. A tuition fee reduction for the year in which the placement takes place might be applicable. Study placements are normally undertaken on an exchange basis and therefore a student from Imperial will not pay tuition fees to the host university. However, they might still pay miscellaneous and other non-tuition fees to the host university. Access to UK Student Finance remains possible for relevant students. A study placement would normally not be paid. Students will need to consider the additional costs involved with undertaking the placement. For students studying abroad as part of their programme, the costs that are relevant may vary and may vary also with destination. The overall costs may vary from what might be the case if a student was to remain in London and might not always be higher. Information on the types of costs which may be incurred can be found in the Placements Abroad Handbook which is available at https://www.imperial.ac.uk/placements/information-for-imperial-college-students/

Important notice: The Programme Specifications are the result of a large curriculum and pedagogy reform implemented by the Department and supported by the Learning and Teaching Strategy of Imperial College London. The modules, structure and assessments presented in this Programme Specification are correct at time of publication but might change as a result of student and staff feedback and the introduction of new or innovative approaches to teaching and learning. You will be consulted and notified in a timely manner of any changes to this document.

Programme Structure

Year 1 – FHEQ Level 4
You study all core and compulsory modules. You choose one elective from group A. For intended study at an institution where the host language is not English the appropriate Horizons Language course must be taken unless fluent in the language.

Code	Module Title	Core/ Compulsory/ Elective	Group*	Term	Credits**
PHYS40001	Practical Physics: Laboratory, Computing and Problem Solving	Compulsory		Autumn-Spring	10
PHYS40004	Vector Fields, Electricity and Magnetism	Core		Spring	7.5
PHYS40002	Mechanics and Relativity	Core		Autumn-Summer	15
PHYS40003	Oscillations and Waves	Core		Autumn-Spring	15
PHYS40005	Statistics of Measurement and the Summer Project	Compulsory		Spring-Summer	7.5
PHYS40006	Advanced Electronics	Elective	A	Spring-Summer	5
PHYS40007	Mathematical Analysis	Elective	A	Spring-Summer	5
N/A	Horizons Language	Elective	A	Autumn-Spring	7.5
				Credit Total	60/62.5

Year 2 - FHEQ Level 5
You study all core and compulsory modules. You must study one from group B. For intended study at an institution in Year 3 where the host language is not English the appropriate Horizons Language course must be taken unless fluent in the language. You choose two electives from group C.

Code	Module Title	Core/ Compulsory/ Elective	Group	Term	Credits
PHYS50001	Advanced Practical Physics	Compulsory		Autumn-Summer	10
PHYS50002	Thermal Physics and Structure of Matter	Core		Autumn-Spring	10
PHYS50003	Differential Equations and Electromagnetism	Core		Autumn-Spring	10
PHYS50004	Quantum Physics	Core		Autumn-Spring	15

N/A	I-Explore/Horizons Language	Co-curricular	B	Autumn-Summer	5/7.5
PHYS50005	Communicating Physics (not running in 2026-27)	Elective	C	Autumn-Summer	5
PHYS50006	Suns, Stars and Planets	Elective	C	Autumn	5
PHYS50007	Mathematical Methods	Elective	C	Spring	5
PHYS50008	Environmental Physics	Elective	C	Spring	5
				Credit Total	60/62.5

Year 3 - FHEQ Levels 6 and 7
You carry out a Master's level (FHEQ level-7) project worth 35 ECTS at the host institution and a choice of the host institution's courses worth a minimum of 25 ECTS (FHEQ level-6).

Code	Module Title	Core/ Compulsory/ Elective	Group	Term	Credits
PHYS60018	Year Abroad Lecture Courses	Core		Autumn-Summer	25
PHYS70020	Year Abroad Research Project	Core		Autumn-Summer	35
				Credit Total	60

Year 4 - FHEQ Levels 6 and 7
You will normally be required to study all core modules and the compulsory module (32.5ECTS). You choose elective modules to a total of 27.5-30 credits from groups D and D* (level 6) and F and F* (level 7) subject to a minimum of 60 credits at FHEQ level 7 by the end of Year 4.
We advise you to balance your work over Terms 1 and 2, but there is flexibility. With the agreement of the DUGS in both departments, up to 7.5 credits may be replaced with an elective module from another Imperial department subject to space being available. Exceptionally, for Nuclear and Particle Physics and Solid State Physics, where an equivalent module is available in your year abroad that meets the same learning outcomes of one of these modules, you may be permitted to take that module instead. In exceptional circumstances you may be permitted to drop the compulsory module if you commit to taking at least 20 ECTS of theory electives (groups D* and F*). In these cases, you will be required to take additional electives to achieve the required credit total for the year.

Code	Module Title	Core/ Compulsory/ Elective	Group	Term	Credits
PHYS60004	Third Year Physics Laboratory	Compulsory		Autumn or Spring	7.5
PHYS60001	Nuclear and Particle Physics	Core		Spring	7.5
PHYS60002	Comprehensives	Core		Autumn-Summer	10
PHYS60003	Solid State Physics	Core		Autumn	7.5

PHYS60006	Lasers	Elective	D	Autumn	5
PHYS60007	Physics of Medical Imaging and Radiotherapy	Elective	D	Spring	7.5
PHYS60008	Principles of Instrumentation	Elective	D	Spring	7.5
PHYS60009	Statistical Mechanics	Elective	D*	Spring	7.5
PHYS60005	Advanced Classical Physics	Elective	D*	Autumn	7.5
PHYS60011	Foundations of Quantum Mechanics	Elective	D*	Spring	7.5
PHYS60012	Computational Physics	Elective	D*	Autumn-Spring	7.5
PHYS60013	Plasma Physics	Elective	D	Autumn	7.5
PHYS60014	Astrophysics 1	Elective	D*	Autumn	7.5
PHYS60015	Group Theory	Elective	D*	Spring	7.5
PHYS60022	Data Science and Machine Learning for Physics	Elective	D	Spring	7.5
PHYS70008	Quantum Field Theory[2]	Elective	F*	Autumn	7.5
PHYS70012	Advanced Particle Physics	Elective	F*	Spring	7.5
PHYS70006	General Relativity	Elective	F*	Autumn	7.5
PHYS70014	Cosmology	Elective	F	Spring	7.5
PHYS70016	Hydrodynamics	Elective	F	Spring	5
PHYS70019	Space Physics	Elective	F	Spring	7.5
PHYS70009	Quantum Information[3]	Elective	F*	Autumn	7.5
PHYS70017	Laser Technology	Elective	F	Spring	7.5
PHYS70011	Unification - The Standard Model[4]	Elective	F*	Autumn	7.5
PHYS70018	Quantum Theory of Matter	Elective	F*	Spring	7.5
PHYS70010	Quantum Optics	Elective	F	Autumn	7.5
PHYS70004	Information Theory	Elective	F	Autumn	5
PHYS70003	Semiconductor and Device Physics	Elective	F	Autumn	7.5
PHYS70013	Atmospheric Physics	Elective	F	Spring	7.5

[2] If you choose to take Quantum Field Theory you must normally have completed and passed Advanced Classical Physics and Foundations of Quantum Mechanics in your third year.
[3] If you choose to take Quantum Information you must normally have completed and passed Foundations of Quantum Mechanics in your third year.

[4] If you choose to take Unification you must normally have completed and passed Advanced Classical Physics and in your third year and must also take Quantum Field Theory in your fourth year.

PHYS70007	Optical Communications Physics	Elective	F	Autumn	5
				Credit Total	60/62.5

* ‘Group’ refers to module grouping (e.g. a group of electives from which one/two module(s) must be chosen).

** All credits refer to ECTS.

Progression and Classification

Progression

In order to progress to the next level of study, you must have passed all modules (normally equivalent to 60 ECTS) in the current level of study either at first attempt, at resit or by a compensated pass. Please note that the year in which a year-long placement takes place (Year 3) cannot be compensated.

Year One

You must:

- achieve an aggregate mark of at least 40.00% including where modules have been compensated.

Year Two

You must:

- achieve an aggregate mark of at least 40.00% in each module including where modules have been compensated.
- achieve a Year 1 and 2 aggregate mark of at least 60.00% to progress to Year 3 of the MSci with a Year Abroad programme, otherwise a transfer into Year 3 of the BSc (F300) programme is normally required. Students achieving a Year 1 and 2 aggregate mark down to 55.00% will normally be allowed to progress on the MSci with a Year Abroad programme if they have achieved an aggregate mark of 60.00% or above in Year 2 on its own. Remaining students with a Year 1 and 2 aggregate mark between 55.00% and 60.00% will normally be required to transfer to the BSc programme but will be requested to meet with the Senior Tutor to review their situation.

Year Three

You must:

- achieve a mark of at least 50.00% in the Master's-level project at the host institution and an aggregate mark of at least 40.00% in the other modules including where modules have been compensated.

Year Four

You must:

- achieve an aggregate mark of at least 40.00% in the core modules and an aggregate mark of at least 50.00% in the other modules including where modules have been compensated.

The Year Abroad cannot be compensated.

Classification

The marks from modules in each year contribute towards the final degree classification.

In order to be considered for an award, you must have achieved the minimum number of credits at the required levels prescribed for that award and met any programme specific requirements as set out in the Programme Specification.

Your classification will be determined through:

i) aggregate module marks for all modules
ii) year weightings

This is known as the Programme Overall Weighted Average.

For this award, Year One is weighted at 7.50%, Year Two at 20.00% and Year Three at 36.25%, Year Four at 36.25%.

The university sets the class of undergraduate degree that may be awarded as follows:

i)	First	70.00% or above for the average weighted module results
ii)	Upper Second	60.00% or above for the average weighted module results
iii)	Lower Second	50.00% or above for the average weighted module results
iv)	Third	40.00% or above for the average weighted module results

Please find the full Academic Regulations at 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

You are required to take a total of 60 or 62.5 ECTS in each of Years 1, 2 and 4.

The programme requires you to carry out 35 ECTS at FHEQ level-7 in Year 3.

In Year 4, you will normally be required to study all core modules and the compulsory module (32.5ECTS) at FHEQ6. You also need to have completed a minimum of 60 credits at FHEQ level 7 by the end of Year 4.
The programme also requires the following specific regulations:

Progression and Classification:

Progression
Year Three
You must:

- achieve a mark of at least 50.00% in the Master's-level project at the host institution and an aggregate mark of at least 40.00% in the other modules including where modules have been compensated.

Year Four
You must:

- achieve an aggregate mark of at least 40.00% in the core modules and an aggregate mark of at least 50.00% in the other modules including where modules have been compensated.

Policies and regulations may vary for students on a year abroad. You are encouraged to familiarise yourself with the relevant policies and regulations which will underpin your studies while abroad before you go. If you have any questions, please talk to your host institution or your home departmental contact.

Supporting Information
The Programme Handbook is available at https://www.imperial.ac.uk/physics/students/current-students/undergraduates/
The Module Handbook is available at: www.imperial.ac.uk/physics/students/current-students/undergraduate-and-masters-degree-courses-list/ This programme incorporates a "placement" and further information is available at: https://www.imperial.ac.uk/placements/information-for-imperial-college-students/
Imperial's entry requirements for postgraduate programmes can be found at: www.imperial.ac.uk/study/pg/apply/requirements
Imperial's Quality & Enhancement Framework is available at: www.imperial.ac.uk/registry/proceduresandregulations/qualityassurance
Imperial's Academic and Examination Regulations can be found at: www.imperial.ac.uk/about/governance/academic-governance/regulations
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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.