IMPERIAL

Programme Specification 2024-25

Programme Information		
Programme Title	Programme Code	HECoS Code
Aeronautical Engineering with a Year Abroad (5Y)	H411	For Registry Use Only

Award	Length of Study	Mode of Study	Entry Point(s)	Total Credits	
				ECTS	CATS
MEng	5 Years	Full-time	N/A *	300	600
BEng (Ordinary)* - H402	N/A	N/A	N/A	150	300

* Students initially apply to the H401 Aeronautical Engineering programme and transfer at the end of their 3rd year.
** Students who withdraw before completing the MEng Aeronautical Engineering with a Year Abroad programme may, in exceptional circumstances and at the discretion of the Board of Examiners, be offered a BEng Ordinary Degree in Aeronautical Engineering (150 ECTS) as an exit award provided that they have met the ECTS requirements for that award in line with College Regulations. This award is an exit award only and not accredited by any professional body.

Ownership			
Awarding Institution	Imperial College London	Faculty	Faculty of Engineering
Teaching Institution	Imperial College London	Department	Aeronautics
Associateship	City & Guilds Institute	Main Location(s) of Study	South Kensington Campus
External Reference			
Relevant QAA Benchmark Statement(s) and/or other external reference points		Honours Degrees in Engineering and Master's Degrees in Engineering	
FHEQ Level		7	
EHEA Level		2nd Cycle	
External Accreditor(s) (if applicable)			
External Accreditor 1:	Royal Aeronautical Society		
Accreditation received:	2019	Accreditation renewal:	2025
External Accreditor 2:	Institution of Mechanical Engineers		
Accreditation received:	2019	Accreditation renewal:	2025
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 Errikos Levis, Director of Undergraduate Studies
Student cohorts covered by specification	2024-25 entry
Date of introduction of programme	October 19
Date of programme specification/revision	May 2023

Programme Overview

The Department of Aeronautics aims to provide a programme that trains and prepares the future leaders in aerospace and related engineering disciplines. This is done through an integrated programme of study wherein students engage with the constituent engineering disciplines in aerospace from the first week of the first year. We strongly believe that this is the most appropriate approach to train engineers of the highest quality in the 21st century, and as such the degree programme does not include a general engineering foundation.

As a graduate of our programme you will not only be able to demonstrate technical and professional leadership in your field, but will also be adaptable and therefore well-suited to careers in both the industrial and service sectors. Additionally, you will be able to both demonstrate and apply your knowledge and skills to problems relevant to modern engineering practice in both general terms and in discipline-specific terms.

The key programme aims are:

- To provide you with a solid technical basis in all the key areas of the modern discipline-specific Engineering profession through delivery of a coherent, coordinated and balanced degree programme, integrating core engineering science with its application, both practically and computationally.
- To provide you with an appreciation of the conceptual and creative aspects of design; to develop the ability to incorporate concepts into the design of new products or processes and deal with an inherent level of uncertainty.
- To inculcate an understanding of professional behaviour, including your ability to communicate ideas and findings, plan and organise your work and work effectively within diverse teams.

You will also benefit from the direct international experience obtained through a year in a foreign university.

Across the first three years of the degree you will develop a strong grounding in the three disciplinary pillars of aerospace engineering; aerodynamics, lightweight structures and structural mechanics, and flight mechanics and control. Each year, the relevant modules will build on your previous knowledge and skills, introducing increasingly advanced content, concentrating on both the underlying theory and its application. Applications in each disciplinary area will range from performing theoretical back-of-the-envelope calculations, to numerical computations (using commercial Computational Fluid Dynamics or Finite Element packages) and conducting experiments using the Department's wind tunnels, mechanical testing labs, and full-motion flight simulator. In addition to Departmental facilities, in the second year, you will have the opportunity to attend the National Flying Laboratory flight-testing course.

In each of the first three years of your studies, the interplay between disciplinary areas will be explored through multidisciplinary design-build-test exercises, where you will work within a team of your peers to devise creative, optimised solutions that meet customer specifications. As you progress through the programme, these tasks will become increasingly complex and open-ended, culminating in the third year Group Design Projects, where you will work as a member of a large design team, mirroring an industrial design office environment, to produce a complete vehicle or system design. In recent projects students have designed hybrid-electric regional airliners, reusable space payload delivery systems, electric racing vehicles or a submersible unmanned aerial vehicle.

In support of the above, in the first two years of your studies you will further follow classes to develop your competence in mathematics, computer programming and the use of computers for the implementation of numerical methods.

In the third, fourth and fifth of your studies you will be able to tailor your studies to reflect your individual areas of interest within aerospace and related disciplines by selecting from wide collection of optional modules offered by the Aeronautics Department (years 3 & 5) and the host university of your Year Abroad

placement (year 4) alongside some core modules. The option to choose from a limited list of electives offered by other Engineering Departments is also available.

In the final year of your studies you will complete an individual research project in your chosen area of research, either working with one of the Department's specialist researchers and academics and their research group, or by undertaking an external project working with an internationally leading engineering company, typically at their site. External projects are assessed jointly by your industrial supervisor and academics from within the Department.

The department maintains very close contact with industry through a joint academic-industry advisory board, comprising of senior members from a wide variety of UK engineering companies that are influential in the aerospace sector and that constitute engineering career destinations for the student cohort (Airbus, ARA, BMT Fluid Mechanics Ltd, BAE Systems, QinetiQ, Rolls-Royce, Mercedes AMG F1, Jaguar Land Rover). As a student, you will have the opportunity to interact with industry through a number of talks and seminars, specific lectures, and projects. For example, visiting industrial speakers are invited each year to present either short lunch-time talks to all undergraduates on their experiences, or to contribute to one of the modules on offer, enriching the syllabus with their industrial perspective and experiences.

Learning Outcomes

By the end of the five-year MEng programme you will have

1. a comprehensive knowledge and understanding of the scientific, mathematical, statistical, and computational principles, methods, and models relevant to the analysis of aeronautical engineering problems;

2. a comprehensive knowledge and understanding of the historical, current and developing (future) technologies, materials, equipment and processes in, and relevant to, the field of aeronautical engineering;

and will be able to

3. recognise the commercial, economic and social context of aeronautical engineering processes, the need for professional and ethical conduct in engineering management techniques, including project and change management, and the requirement to promote sustainable development;

4. apply and integrate fundamental knowledge to investigate new and emerging technologies in aeronautics and effectively communicate your findings;

5. identify, apply and integrate the knowledge necessary, in order to propose creative solutions to complex, interdisciplinary, open-ended problems in aerospace and related disciplines, effectively working with uncertainty;

6. identify and critically analyse aeronautical engineering processes, systems and components, using appropriate analytical, quantitative and computational methods, and modelling techniques;

7. plan and carry out experimental work, identifying the most appropriate approach and equipment, utilising relevant practical and laboratory skills, considering health, safety and risks.

8. develop a comprehensive knowledge and understanding of design processes, as well as their effective planning and management, in order to generate innovative designs;

9. work effectively within diverse, multicultural, interdisciplinary teams;

10. identify and evaluate business, customer and user needs, as well as key design constraints including legal, social, environmental, ethical and commercial requirements in an engineering context;

11. plan, monitor and improve upon a personal programme of work, including the ability to undertake effective self-learning and evaluate and improve personal performance and self-efficacy as the foundation for lifelong

learning and continuous personal development.

12. work effectively in an international setting with people who have different education backgrounds, approaches or perspectives.

Prior to the completion of the complete programme of study, these learning outcomes will be achieved only partially, up to a level appropriate for the relevant exit degree level.

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	Entry to the Year Abroad programme through transfer from the Aeronautical Engineering programme at the end of the third year. Students aiming to study in French or German universities must demonstrate level 4 French or German language competence and a good academic record. Further information available at http://www.imperial.ac.uk/aeronautics/study/ug/current - students/programme-transfer/
Non-academic Requirements	None
English Language Requirement	
Admissions Test/Interview	

The programme's competency standards documents can be found at: https://www.imperial.ac.uk/media/imperial-college/faculty-of-engineering/aeronautics/Competency-Standards.pdf

Learning & Teaching Approach

Learning and Teaching Delivery Methods

You will be introduced to core knowledge primarily through large class sessions, ranging in format from traditional lectures to more active learning sessions, where you are required to self-study assigned materials ahead of the session and build on that knowledge in subsequent reinforcement and guided problem-solving sessions. The department will provide you with an iPad electronic note-taking and e-reading device, which will further be used to support your learning through digital tools such as in-class Q&A sessions, visualisations and interactive lecture notes.

You will be expected to spend significant further time (approximately 3-4 hours for every timetabled contact hour) working independently and with peers, reviewing lecture notes, lecture video recordings, books, journal papers, e-learning materials and solving problem sets.

Each of the first three years of study features several laboratory exercises and design projects, carried out in small groups of 3-6 students. As you progress to higher years these exercises will become increasingly complex and less guided, moving from passive demonstrations to active learning exercises where you will explore

possible options, consider constraints and develop your own knowledge, supported by the teaching staff and graduate teaching assistants. This culminates in the third year Group Design Project exercise, where you will work in a team of approximately 20 students to complete a novel clean-sheet vehicle design to meet client specifications.

Professional skills, such as technical report writing and presenting, are cultivated in the first years of study through small group coaching and further developed in subsequent years through both individual and team-based coursework assignments. Drafting of engineering drawings using computational tools and computer programming are further taught in an active manner, through guided large class tutorial sessions, supported by the teaching staff and graduate teaching assistants.

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 for an average student.

The Aeronautics department expects you to allocate approximately 4 hours in self-study for every hour spent in lectures for a typical lecture-based module.

- In the first two years of your studies (Level 4 & 5) you will spend 15% of your time in large class lectures and workshops (215 hours) with a further 7% of your time in small-class tutorials or lab practicals (105 hours).
- In the third year (Level 6), 15% of your total time will be spent in lectures, tutorials and lab practicals and 45% of your time in self-study supporting these modules. A further 40% of your time will be spent on team-based project work, involving self-study, project meetings, and collaborative work.
- In your fourth year (year abroad) the pattern of work will depend on the programme of study offered by your host university.

In the fifth year (Level 7) the pattern of work is greatly dependent on your selected elective modules, however on average you can expect to spend about 125 hours in lectures and tutorials with a further 1350 hours, over three terms, being devoted to self-directed research work for your Individual Project.

Assessment Strategy

Assessment Methods

The Aeronautics Department aims to employ assessment both to test your achievement of module objectives, referred to as summative assessment, and as a method of enhancing learning, developing skills and applying knowledge through assessment, referred to as formative assessment.

A variety of formative and summative assessment methods are utilised in this programme. Written examinations are utilised for modules where theoretical knowledge and its application within a disciplinary setting is introduced. In addition to a final summative assessment, such modules will typically offer opportunities for you and your instructors to assess your level of understanding and progress by completing in-class or online formative progress tests.

Laboratory and design exercises are assessed through a variety of methods such as coursework in the form of:

- Progress reports
- Laboratory reports
- Individual and group project reports
- Engineering drawings
- Peer-assessment
- Computer programming submissions
- Research theses

and practicals such as:

- Oral presentations
- Poster presentations
- Oral examinations
- Laboratory skills assessments.

The breakdown of summative assessment for each year of the programme is indicated below.

	Year 1	Year 2	Year 3*	Year 4**	Year 5*
Coursework	20%	28%	37%	-	35%
Practical	9%	8%	21%	-	23%
Exams	71%	64%	42%	-	42%

*Note that figures for years 3 and 5 are approximate due to the varying assessment of elective modules

** Figures for year 4 will depend on the host university's programme of study.

Academic Feedback Policy

Feedback is an essential part of learning and the Department gives high priority to the timeliness and quality of feedback offered to you on all modules. The primary purpose of feedback is to assist learning and the development of skills, by highlighting strengths and weaknesses on one hand, and by identifying actions for improvement on the other. It is not meant to exclusively provide justification for assessment results. It is important to recognise that: 1) feedback comes in various forms and 2) feedback requires your active engagement.

Feedback will be provided for all assessments carried out as part of this programme. For examinations, a written examiner's report, commenting and providing quantitative information on the performance of the entire cohort, detailing common mistakes, and highlighting alternate approaches to the published solution, will be made available. For minor pieces of coursework, written feedback will be provided within two working weeks of submission. For major, final, pieces of coursework, feedback will be provided ahead of the next opportunity where said feedback will be of use to you.

All modules will further aim to provide you with the opportunity to receive feedback ahead of any major summative assessment. Such feedback may be provided in the form of in-class progress tests, online self-assessment exercises, tutorial sheets, etc. Where possible, as in the case of in-class tutorial sessions, oral examinations and poster sessions, oral feedback will be provided immediately by tutors or assessors.

You should keep in mind that not all feedback is structured, and important feedback may be obtained from self-reflection on your progress to date, from peers when studying or working together in a team, in dialogue with a lecturer or teacher in or outside of a tutorial, class or laboratory, or by email.

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

Description	Mandatory/Optional	Approximate cost
National Flying Laboratory flight-testing course	Optional	£50
Insurance cover for provided tablet & accessories	Optional	£40 per annum

Students will need to consider the costs involved with placements. For students studying or working abroad as part of their programme, costs will vary with destination. 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 the 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[1]

Year 1 – FHEQ Level 4
You will study all core modules.

Code	Module Title	Core/ Elective	Group	Term	Credits
AERO40001	Aerodynamics 1	Core	N/A	Autumn	7.5
AERO40008	Structures 1	Core	N/A	Spring	7.5
AERO40006	Mathematics 1	Core	N/A	Autumn-Spring	7.5
AERO40007	Mechanics	Core	N/A	Autumn	7.5
AERO40009	Thermodynamics and Heat Transfer	Core	N/A	Spring	5
AERO40005	Materials 1	Core	N/A	Autumn	5
AERO40002	Introduction to Aerospace	Core	N/A	Spring	5
AERO40003	Computing and Numerical Methods 1	Core	N/A	Autumn-Spring	5
AERO40004	Engineering Practice 1	Core	N/A	Autumn-Summer	10
				Credit Total	60

Year 2 - FHEQ Level 5
You will study all core modules.

Code	Module Title	Core/ Elective	Group	Term	Credits
AERO50001	Aerodynamics 2	Core	N/A	Autumn	7.5
AERO50008	Structures 2	Core	N/A	Autumn	7.5
AERO50006	Mathematics 2	Core	N/A	Autumn-Spring	7.5
AERO50007	Mechatronics	Core	N/A	Spring	5
AERO50009	Propulsion and Turbomachinery	Core	N/A	Spring	5
AERO50005	Materials 2	Core	N/A	Autumn	5
AERO50002	Flight Dynamics and Control	Core	N/A	Spring	5
AERO50003	Computing and Numerical Methods 2	Core	N/A	Autumn	5
AERO50004	Engineering Practice 2 – Technical	Core	N/A	Summer	7.5
AERO50010	Engineering Practice 2 – Project Development	Core	N/A	Spring	5

[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.

				Credit Total	60

Year 3 - FHEQ Level 6
You will study all core modules. You must choose two optional modules and one from the list of available I-Explore modules. Elective choices/availability will be dependent on timetable constraints. Please note that all electives modules are FHEQ Level 7

Code	Module Title	Core/ Elective	Group	Term	Credits
AERO60001	Aerodynamics 3	Core	N/A	Autumn	7.5
AERO60008	Structures 3	Core	N/A	Autumn	7.5
AERO60007	Control Systems	Core	N/A	Spring	5
AERO60002	Aerospace Vehicle Design	Core	N/A	Autumn-Spring	10
AERO60004	Group Design Project	Core	N/A	Spring-Summer	15
AERO70010	Finite Elements	Elective		Autumn	5
AERO70016	Orbital Mechanics	Elective		Autumn	5
AERO70020	Advanced Fluid Mechanics and Fluid Structure Interaction	Elective		Autumn	5
AERO70015	Mathematics 3	Elective		Spring	5
AERO70013	Turbulence and Turbulence Modelling	Elective		Autumn	5
AERO70008	Computational Fluid Dynamics	Elective		Autumn	5
AERO70009	Computational Mechanics in Engineering	Elective		Spring	5
AERO70003	Advanced Propulsion	Elective		Spring	5
AERO70012	Innovation Management	Elective		Autumn	5
AERO70002	Advanced Manufacturing	Elective		Autumn	5
AERO70011	High Performance Computing	Elective		Spring	5
AERO70019	Spacecraft Systems	Elective		Spring	5
AERO70018	Spacecraft Structures	Elective		Autumn	5
ELEC70098	Optimisation (IDX)	Elective		Autumn	5
DESE60008	Design for Additive Manufacturing (IDX)	Elective		Spring	5
AERO70032	Flow Instability and Transition	Elective		Spring	5
AERO70026	Fundamentals of Scientific Machine Learning	Elective		Autumn	5
AERO70014	Lightweight Structures	Elective		Autumn	5
AERO70004	Aeroelasticity	Elective		Autumn	5
AERO70005	Aerothermodynamics of Launchers and Re-Entry Vehicles	Elective		Autumn	5

AERO70024	Applications of Computational Fluid Dynamics	Elective		Spring	5
	I-Explore (Level 6)	Compulsory	N/A	Autumn, Spring	5 – 7.5
				Credit Total	60 – 62.5

Year 4 – Year Abroad					
Code	Module Title	Core/ Elective	Group	Term	Credits
AERO60010	Vary depending on programme offered by host university			Autumn-Summer	
				Credit Total	60

Year 5 - FHEQ Level 7
You will study all core modules. You must choose five optional modules. Elective choices/availability will be dependent on timetable constraints. Modules selected in Year 3, may not be chosen in Year 5.

Code	Module Title	Core/ Elective	Group	Term	Credits
AERO70001	Individual Project	Core	N/A	Autumn-Summer	35
AERO70010	Finite Elements	Elective		Autumn	5
AERO70016	Orbital Mechanics	Elective		Spring	5
AERO70020	Advanced Fluid Mechanics and Fluid-Structure Interaction	Elective		Autumn	5
AERO70015	Mathematics 3	Elective		Spring	5
AERO70013	Turbulence and Turbulence Modelling	Elective		Autumn	5
AERO70008	Computational Fluid Dynamics	Elective		Autumn	5
AERO70009	Computational Mechanics	Elective		Spring	5
AERO70003	Advanced Propulsion	Elective		Spring	5
AERO70012	Innovation Management	Elective		Autumn	5
AERO70002	Advanced Manufacturing	Elective		Autumn	5
AERO70011	High Performance Computing	Elective		Spring	5
AERO70019	Spacecraft Systems	Elective		Spring	5
AERO70018	Spacecraft Structures	Elective		Spring	5
AERO70006	Applications of Fluid Dynamics	Elective		Autumn	5
AERO70024	Applications of Computational Fluid Dynamics	Elective		Spring	5
AERO70005	Aerothermodynamics of Launchers and Re-Entry Vehicles	Elective		Autumn	5
AERO70014	Lightweight Structures	Elective		Autumn	5
AERO70004	Aeroelasticity	Elective		Autumn	5
ELEC70098	Optimisation (IDX)	Elective		Autumn	5
DESE60008	Design for Additive Manufacturing (IDX)	Elective		Spring	5
AERO70032	Flow Instability and Transition	Elective		Spring	5

AERO70026	Fundamentals of Scientific Machine Learning	Elective		Autumn	5
AERO70037	Spacecraft Propulsion (not running in 2024-25)	Elective		Autumn	5
AERO70035	Structural Integrity and Health Monitoring	Elective		Spring	5
AERO70038	Introduction to Vertical Flight	Elective		Spring	5
	BPES / Horizons (level 6 or 7)	Elective		Autumn/ Spring	5
				Credit Total	60

Progression and Classification

Progression

In order to progress to the next level of study, you must have passed all modules (equivalent to 60 ECTS) in the current level of study at first attempt, at resit or by a compensated pass.

The overall weighted average for each year must be 40.00%, including where a module(s) has been compensated, in order for you to progress to the next year of the programme.

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

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

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 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

As an accredited degree, students on this programme are subject to the standards set by the Engineering Council in relation to compensation: a maximum of 15 ECTS credits can be compensated across the entire programme.

Students who have failed to progress to the following year due to failing a module at first attempt, in the absence of any mitigating circumstances, will typically be:

- offered a re-assessment opportunity of a failed module if they have passed more than 45 ECTS credits in that year of the programme;
- required to re-sit the year if having failed more than 15 ECTS but less than 30 ECTS credits in that year of the programme;
- asked to withdraw from the programme if having failed more than 30 ECTS in that year of the programme.

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 from the department.
The Module Handbook is available from the department.
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
Imperial College London 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 Imperial's Centenary, 8th July 2007, established Imperial 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 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.