| Programme Information | | |
|---|---|---|
| Programme Title | Programme Code | HECoS Code |
| Materials Science and Engineering with Year in Industry | JFM3 | 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(Hons) ‡ – JF52 | N/A | N/A | N/A | 180 | 360 |
| BEng(Ord)* - JFM2A | N/A | N/A | N/A | 150 | 300 |
| DipHE* - JFM2D | N/A | N/A | N/A | 120 | 240 |
| CertHE* - JFM2C | N/A | N/A | N/A | 60 | 120 |

‡ The BEng(Hons) is an exit award as per the Academic Regulations. For details of the for-entry award, please refer to the Materials Science and Engineering BEng programme specification.
* The CertHE, DipHE and BEng(Ord) are exit awards only and not accredited by any professional body. They may be offered to students, in exceptional circumstances, at the discretion of the Board of Examiners. These qualifications are not classified.

| Ownership | | | |
|---|---|---|---|
| Awarding Institution | Imperial College London | Faculty | Faculty of Engineering |
| Teaching Institution | Imperial College London | Department | Materials |
| Associateship | Royal School of Mines (RSM) | Main Location(s) of Study | South Kensington Campus |
| **External Reference** | | | |
| Relevant QAA Benchmark Statement(s) and/or other external reference points | | Materials | |
| FHEQ Level | | Level 7 | |
| EHEA Level | | 2nd Cycle | |
| **External Accreditor(s) (if applicable)** | | | |
| External Accreditor 1: | Institute of Materials, Minerals and Mining (IOM3) | | |
| Accreditation received: | TBC | Accreditation renewal: | TBC |
| **Collaborative Provision** | | | |
| Collaborative partner | Collaboration type | Agreement effective date | Agreement expiry date |

| | | | |
|---|---|---|---|
| N/A | N/A | N/A | N/A |

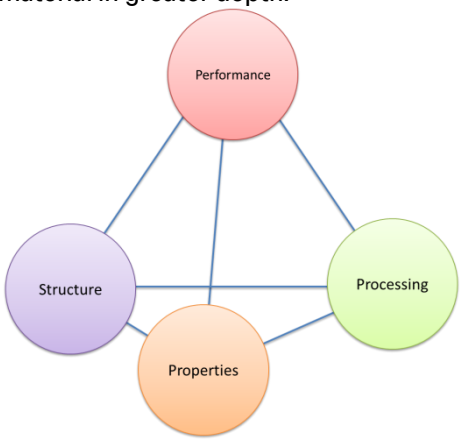
| **Specification Details** | |
|---|---|
| Programme Lead | Dr Andrew Cairns |
| Student cohorts covered by specification | 2025-26 entry |
| Date of introduction of programme | October 25 |
| Date of programme specification/revision | August 25 |

## Programme Overview

The programmes delivered by the Department of Materials are designed to engage you in both the scientific and engineering aspects of the discipline.

The complex interrelationship between processing, structure, properties and performance lies at the centre of Materials Science and Engineering, see figure below. For example, for steel, the most commonly used metal, how it is processed will influence its structure, the structure affects its mechanical properties which in turn determine the materials performance in a particular application. A practitioner in the discipline may ask the question "how do I design a material for my system" or "why does this material exhibit these properties," the first question is Materials Engineering and the second Materials Science.

All undergraduate courses in the Department of Materials follow a common structure in Years 1 and 2, allowing you, where visa conditions permit, to transfer between streams at set points within your degree. Core modules taught across the first, second and third years are designed to introduce you to the four foundations of the discipline: Processing, Structure, Properties and Performance (see figure below), plus Materials Characterisation, Mathematics and Computing, Business for Engineers and Engineering Practice. In the third and fourth years of the programmes you will have the option to select electives that probe the Processing, Structure, Properties and Performance of particular classes of material in greater depth.




In the Processing modules you will learn how raw materials are converted into engineered products, the Structure modules consider how processing influences structure, across a range of length scales, which determines the structural and functional Properties of materials, that then defines their Performance in a given application, for example steel structures or battery systems. The Mathematics and Computing module introduce you, through science and engineering examples, to the tools that support the discipline. In the Engineering Practice modules you will work as a member of a team to design a processing system and to deconstruct an artefact. The laboratory sessions associated with the modules are structured to introduce you to the key practical skills required of a Materials Scientist and Engineer; then as the course progresses, you are given more opportunity to design your own experiments to test a hypothesis and investigate materials using electron microscopy and X-ray diffraction.

An extended laboratory project that investigates the relationship between processing, structure and properties of a material is a major part of the third year of the programme. There are also core[1] modules in Materials Processing,

[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.

Theory and Simulation of Materials, Managerial Economics. In the third year you will have the opportunity to select electives from a list that map on to the Department's research themes and give you the opportunity to study in more detail a particular class of material or underpinning principle. You will also broaden your educational experience by taking an I-Explore module.

If you are undertaking the Materials Science and Engineering MEng programme you will, in your 4th year, undertake four electives plus an individual research project with one of the Department's research groups. This may involve you working at an external facility such as Diamond Light Source in Oxfordshire or spending time in a laboratory overseas, e.g. at MIT in the US. Project students work alongside researchers, including world leading academics and PhD students, in areas from bone regeneration to aircraft landing gear and from solar cells to cement bonded refractories.

**MEng Materials Science and Engineering with Year in Industry**

Undertaking a year in industry during your MEng degree will provide you with invaluable practical experience, allowing you to apply academic knowledge in real-world settings, including engineering industry, national or international research facilities, or international industry. This hands-on exposure will help bridge the gap between theory and practice, while further developing key transferable skills like teamwork, problem-solving, and project management. You will have the opportunity to gain insight into cutting-edge technologies in an industry you are interested in, such as aerospace, biomedical, or energy, helping you to refine your career goals and build confidence in professional environments. Additionally, working in industry will enhance academic performance, as you will return with a deeper understanding of how your studies align with real-world challenges.

The experience of a Year in Industry also boosts employability, as many employers value graduates with proven industrial experience. Networking opportunities during placements can lead to job offers or connections with prestigious companies. The experience gained can also inspire or contribute directly to final-year projects, further strengthening the link between industry and academia. You will be assessed on your experience in industry via regular reflective statements and assessed discussions your Placement Tutor with  to gain 60 ECTS (pass/fail) at Level 7, ensuring your degree is fully Bologna compliant.

**MEng vs BEng**

The department offers both a three-year BEng programme and four-year integrated Master's MEng programme in Materials Science and Engineering. Both degree programmes involve substantial group and individual project work. The MEng has the added benefit of Master's level elective modules and the opportunity to undertake a research project in a cutting-edge Materials Research Group in the final year of the programme.
As the first two years are the same for all programmes, students can (visa issues permitting) transfer between all programmes up to the end of 2nd year and transfer between the MEng and BEng to the end of 3rd year, or transfer to the Biomaterials programme up to the end of 3rd year depending on subject choices.

For details of the other programmes offered by the department please refer to the individual programme specifications for:

- Materials Science and Engineering BEng
- Biomaterials and Tissue Engineering MEng
- Materials with Nuclear Engineering MEng

**Accreditation**

These degrees are professionally accredited by the IOM3 (The Institute of Materials, Minerals and Mining) on behalf of the Engineering Council.

Achieving a professionally accredited degree demonstrates to employers that you have achieved an industry-recognised standard of competency.

Achieving a professionally accredited integrated Master's degree (MEng) means that you have satisfied the first step to becoming a Chartered Engineer (CEng) in your chosen field by satisfying the educational requirements of

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.

professional registration. To gain Chartered status, you will need to demonstrate your ability to meet additional graduate level competences described in the Engineering Council's UK-SPEC.

A CEng is a highly respected qualification earned by professionals working in engineering, which can lead to higher earning potential and better career prospects.

Professional registration also brings international recognition of your qualification, which is particularly useful for students preparing for a career abroad.

## Learning Outcomes

Upon the successful completion of an **MEng** award, you will be able to:

1. Explain Materials Science and Engineering phenomena using scientific and mathematical reasoning.
2. Synthesise scientific and engineering knowledge in processing/synthesis, characterisation and modelling to explore and control the structure, properties and performance of materials.
3. Analyse, evaluate and interpret experimental or in-service data.
4. Communicate effectively, both orally and in writing, to a range of audiences.
5. Work effectively in multi-cultural, international teams and across disciplinary boundaries to deliver complex projects.
6. Appraise procedures to enhance your own safety and working practice and that of others.
7. Devise creative and innovative solutions that enable advances in Materials Engineering.
8. Design and perform experiments to test a scientific hypothesis.
9. Confront the challenges of implementing Materials Science and Engineering solutions in a commercial environment.
10. Exercise independent scholarship and adapt your skillsets to keep pace with an evolving sector.
11. Consider the legal, social, ethical and professional principles associated with Materials Science and Engineering and act in a manner that respects those principles.
12. Reflect and action improvements in personal development needs.

Completion of a Year in Industry will further enhance your demonstration of Learning Outcomes 3, 4, 5, 6, 9, 10 and 12. These will be credited by the award of additional ECTS on completion of the required reflective statements and Placement Tutor meetings.

Upon the successful completion of a **BEng(Hons)** award, you will be able to:

1. Apply scientific and mathematical reasoning to explain Materials Science and Engineering phenomena.
2. Use a combination of scientific and engineering knowledge in processing/synthesis, characterisation and modelling to explore and control the structure, properties and performance of materials.
3. Collect, analyse and evaluate experimental or in-service data.
4. Communicate effectively, both orally and in writing, to a range of audiences.
5. Work as a member of a multi-cultural, international team across disciplinary boundaries to deliver a project.
6. Comply with and improve procedures to enhance your own safety and practice and that of others.
7. Develop creative and innovative solutions to problems in Materials Engineering.
8. Perform experiments to test a scientific hypothesis.
9. Demonstrate an awareness of the challenges of implementing Materials Science and Engineering solutions in a commercial environment.
10. Exercise independent scholarship and adapt your skillsets to keep pace with an evolving sector.
11. Demonstrate an awareness of the legal, social, ethical and professional principles associated with Materials Science and Engineering and act in a manner that respects those principles.

Award of the BEng(Ord) will require you to gain 150 ECTS in total, with 30 at Level 6 from any Year 3 core or elective module, at the discretion of the Board of Examiners. Upon successful completion of the BEng(Ord), you will be able to:

1. Apply scientific and mathematical reasoning to explain Materials Science and Engineering phenomena.
2. Use a combination of scientific and engineering knowledge in processing/synthesis, characterisation and modelling to explore and control the structure, properties and performance of materials.
3. Communicate effectively, both orally and in writing, to a range of audiences.
4. Comply with and improve procedures to enhance your own safety and practice and that of others.
5. Perform experiments to test a scientific hypothesis.

Upon successful completion of two years of study, leading to the award of a **Diploma (DipHE)**, you will be able to:

1. Illustrate the use of scientific and mathematical reasoning to explain Materials Science and Engineering phenomena.
2. Explain the relationships between processing, structure, properties and performance of materials.
3. Collect and analyse experimental data.
4. Communicate effectively, both orally and in writing.
5. Work as a member of a team to deliver a project.
6. Comply with procedures to ensure your own safety and that of others.

Upon successful completion of one year of study, leading to the award of a **Certificate (CertHE)**, you will be able to:

1. Demonstrate familiarity with the terminology of Materials Science and Engineering.
2. Understand the principal relationships between processing, structure, properties and performance of materials through solving MSE related problems.
3. Collect and analyse experimental data.
4. Write experimental reports.
5. Work as a member of a team to deliver a project.

Comply with procedures to ensure your own safety and that of others.

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: https://www.imperial.ac.uk/about/education/our-graduates/

| **Entry Requirements** | |
|---|---|
| Academic Requirement | This programme is not for entry. Transfer to the programme will require students to be on-course to achieve the progression requirements for Year 4 and have secured an external industrial placement. |
| Non-academic Requirements | N/A |
| English Language Requirement | Standard requirement<br>Please check for other Accepted English Qualifications |
| Admissions Test/Interview | Include details on the format of interviews and how they are conducted. What format any entrance tests may take and how this additional information will be used in the decision making process. |

The programme's competency standards document is available from the department.

## Learning & Teaching Approach

### Teaching

You will learn through a combination of entire cohort sessions, small group workshops, tutorials, a significant number of laboratory activities and independent study. Students will build on their core knowledge from Years 1 and 2 in specific areas through the selection of optional courses in Years 3 and 4.

The teaching methods used to deliver core and optional modules will vary from standard classroom teaching to more active learning in which, for example, you may be required to watch a short lecture on a subject online and then during the teaching session work on a structured problem set with the support of the academic in charge.

Professional skills development is supported in Years 1 and 2 through the personal tutorial system, where students work in small groups together with an academic.

In addition to individual learning students will participate in a number of group projects e.g. in Year 1 a Design Study, in Year 2 a Case Study and in Year 3 an extended laboratory exercise, these are designed to develop team work and also offer you opportunities to refine your presentation skills.

Laboratory and computing sessions get progressively more complex through the programme. Initially key skills such as sample polishing, polymer synthesis and python programming are taught. This progresses to core characterisation laboratories, modelling workshops and an extended processing exercise in Years 2 and 3. The MEng programmes culminate in a research project in the final year; projects may be totally experimental, totally computational or contain aspects of both. In addition to the Research Project students take four electives.

You will be expected to spend significant time on independent study outside of face-to-face contact time. This will typically include reading journal articles and books, undertaking research online and in the library, reviewing lecture notes and watching lecture recordings, working on individual and group projects, working on coursework assignments and revising for exams. There is also a programme of extra-curricular lectures delivered by guest speakers from industry (e.g. Shell and Rolls-Royce) designed to introduce you to some of the key technical challenges in industry.

**Overall workload**

Module size at Imperial is measured in ECTS (European Credit Transfer System) credits. One ECTS represents about 25 hours of student effort for a typical conscientious student, including formal teaching, practical work, private study, examination preparation and assessment. A full academic year involves 60 ECTS, or about 1500 hours of study in total.

Core modules in Years 1 and 2 are worth 10 ECTS. Some of these modules have a very high component of coursework, e.g. Engineering Principles 1 is 100% coursework. However, the majority involve about 60 hours of lectures, tutorials and workshops, 40 hours of laboratory work, 100 hours of coursework, problem solving, private study and project work, and about 50 hours of revision for an end of module examination. There is significant variation in this balance between different modules, but all modules of equivalent value involve similar levels of commitment and workload. Electives in Years 3 and 4 are typically worth 5 ECTS and will involve 30 hours of lecture or workshop time, 60 hours of coursework, problem solving, private study and project work, and about 35 hours of revision for an end of module examination.

Lectures, practicals and other formal activities take place on weekdays only, with Wednesday afternoons normally remaining free. We do not normally schedule teaching out of term time.

## Assessment Strategy

### Assessment Methods

You can expect a variety of different types of assessment, such as:

- Performance in the Teaching Laboratory
- Laboratory reports
- Online programming tests
- Written coursework
- Group project reports
- Written examinations
- Poster Presentations
- Research thesis
- Oral presentations

You will have already experienced various forms of academic assessment during your previous education. At Imperial, we use assessment in two ways: Formative assessment is used to develop your skills, knowledge and understanding, and to help you judge your own progress; formative assessment does not contribute to your final marks and class of degree awarded. Summative assessment involves formal assessment of your work, through examination, coursework and project work; summative assessment does contribute to your final result.

Year 1 and 2 core modules are either year-long (and run in every term of the year) or run for a single term. The year-long Mathematics and Computing and Performance of Structural Materials modules will be assessed by a combination of coursework and end of term tests. The Engineering Practice modules will be both formatively and summatively assessed by coursework throughout the year. Care is taken when setting coursework to distribute deadlines through the year. The Processing, Structure and Property modules will be assessed by an end of module examination in the term in which they are taught. It is important to note that the final activity in the Engineering Practice modules will consider how mathematics, processing, structure, property and skills taught during the year influence the performance of a material system. To perform well in the final assessment of the Engineering Practice module will require a knowledge of all material introduced across the entire course to date.

In Years 3 and 4 the core modules will all be coursework only or a combination of coursework and examination whilst the electives will be assessed by a combination of coursework and examination or examination only.

The Year in Industry will be assessed as pass/fail for 60 additional ECTS at Level 7 in line with the published module specification.

The exact balance of the summative assessment through the programme depends upon which elective modules are taken, but is likely to be:

| | Coursework | Examination |
|---|---|---|
| Year 1 | 40% | 60% |
| Year 2 | 35% | 65% |
| Year 3 | 38% - 45% | 55% - 62% |
| Year 4 | 100% | 0% |
| Year 5 | 67% - 74% | 26% - 33% |

### Academic Feedback Policy

Academic feedback to students on coursework is primarily returned by Blackboard Learn portal and internal departmental systems within the timeline identified in the student handbooks.
Feedback will also be given (where appropriate) verbally following assessment or during interactions with GTAs, Teaching Staff, Personal Tutors, the Senior Tutor or Director of Undergraduate Studies.

Feedback may be provided in a number of formats, including:

- Oral (during/after lectures, workshops, labs);
- Personal (during academic discussions e.g. personal tutorials, office hours);

- Interactive (during workshops with academic staff/GTAs);
- Written (solutions to coursework, comments on laboratory reports).
- Placement Tutor during the Year 4 placement.

Feedback on written examinations is provided in the form of written commentaries which comment on the performance of the entire cohort on each individual question.

During the academic year indicative results will be provided to students, the results are ratified at the Board of Examiners.

Feedback from students is imperative to helping us improve the course - particularly via the Module Evaluation Questionnaire (MEQ) and through the department Staff-Student Committee.

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. | | |
| Description | Mandatory/Optional | Approximate cost |
| You will need a laptop for some classes and coursework. The laptop must meet a minimum specification.<br><br>Windows 10 capable<br>Intel i5/i7 6th/7th generation processor<br>16GB RAM<br>256 GB SSD HDD<br>Webcam<br><br>You should ensure your device can run SolidWorks:<br>https://www.solidworks.com/support/hardware-certification/ | Mandatory | N/A |

**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[2]

[2] **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

**Year 1 – FHEQ Level 4**
**e.g. You will study all core and compulsory modules. You must select two elective modules from group A and one from group B**

| Code | Module Title | Core/ Compulsory Elective/ | Group | Term | Credits |
|---|---|---|---|---|---|
| MATE40001 | Mathematics and Computing 1 | Core | N/A | Autumn-Summer | 10 |
| MATE40002 | Performance of Structural Materials | Core | N/A | Autumn-Summer | 10 |
| MATE40003 | Engineering Practice 1 | Core | N/A | Autumn-Summer | 10 |
| MATE40005 | Materials Processing 1 | Core | N/A | Spring-Summer | 10 |
| MATE40004 | Structure 1 | Core | N/A | Autumn-Spring | 10 |
| MATE40006 | Properties 1 | Core | N/A | Spring-Summer | 10 |
| | | | | Credit Total | 60 |

**Year 2 - FHEQ Level 5**
**e.g. You will study all core modules. You must select two elective modules from group A and one from group B**

| Code | Module Title | Core/ Compulsory Elective/ | Group | Term | Credits |
|---|---|---|---|---|---|
| MATE50001 | Mathematics and Computing 2 | Core | N/A | Autumn-Summer | 10 |
| MATE50002 | Performance of Functional Materials | Core | N/A | Autumn-Summer | 10 |
| MATE50003 | Engineering Practice 2 | Core | N/A | Spring-Summer | 10 |
| MATE50004 | Structure 2 | Core | N/A | Spring | 10 |
| MATE50005 | Materials Characterisation | Core | N/A | Autumn-Spring | 10 |
| MATE50006 | Properties 2 | Core | N/A | Spring | 10 |
| | | | | Credit Total | 60 |

**Year 3 - FHEQ Level 6**

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.

**You will study all core modules. If you are following the MEng programme in Materials Science and Engineering should select four electives from groups A and B.**

| Code | Module Title | Core/ Compulsory Elective/ | Group | Term | Credits |
|---|---|---|---|---|---|
| BUSI60044 | Managerial Economics (Online) | Core | N/A | Autumn-Spring | 5 |
| MATE60002 | Theory and Simulation of Materials | Core | N/A | Autumn | 7.5 |
| MATE60003 | Processing Laboratory | Core | N/A | Autumn-Spring | 5 |
| MATE60004 | Research Techniques | Core | N/A | Autumn-Spring | 7.5 |
| MATE60005 | Materials Processing 2 | Core | N/A | Spring | 10 |
| | I-Explore | Compulsory | N/A | Autumn &/or Spring | 5 |
| MATE60006 | Biomaterials | Elective | B | Autumn-Spring | 5 |
| MATE60007 | Sustainable Metallurgy | Elective | A | Autumn | 5 |
| MATE60008 | Powder-based Manufacturing | Elective | A | Spring-Summer | 5 |
| MATE60009 | Mathematics and Quantum Mechanics | Elective | A | Autumn | 5 |
| MATE60010 | Optoelectronic Materials | Elective | A | Autumn | 5 |
| MATE60012 | Nanomaterials | Elective | A | Autumn | 5 |
| MATE60016 | Nuclear Fusion | Elective | C | Spring | 5 |
| MATE60015 | Advanced Characterisation | Elective | A | Spring | 5 |
| | | | | Credit Total | 60 |

**Year 4 - FHEQ Level 7**

| Code | Module Title | Core/ Compulsory Elective/ | Group | Term | Credits |
|---|---|---|---|---|---|
| | Materials Year in Industry | Core | | Autumn-Summer | 60 |
| | | | | Credit Total | 60 |

**Year 5 - FHEQ Level 7**
**You will study all core modules. You must select four elective modules from group A, B or C.**

| Code | Module Title | Core/ Compulsory Elective/ | Group | Term | Credits |
|---|---|---|---|---|---|
| MATE70005 | Materials Individual Project | Core | N/A | Autumn-Summer | 40 |
| MATE70013 | Advanced Engineering Alloys | Elective | A | Spring-Summer | 5 |
| MATE70015 | Ceramics and Composites for Extreme Environments | Elective | A | Autumn | 5 |
| MATE70016 | Tissue Engineering | Elective | B | Spring-Summer | 5 |
| MATE70017 | Materials for Energy Conversion and Storage | Elective | A | Spring-Summer | 5 |
| MATE70018 | Nanomedicine | Elective | B | Spring-Summer | 5 |
| MATE70019 | Nuclear Materials | Elective | C | Spring | 5 |
| MATE70020 | Modelling Materials with Density Functional Theory | Elective | A | Autumn-Spring | 5 |
| MATE70026 | Machine Learning for Materials | Elective | A | Spring | 5 |
| MATE70030 | Materials for Semiconductor and Quantum Technologies | Elective | A | Spring | 5 |
| | | | | Credit Total | 60 |

Progression and Classification

For each year a mark for the year is determined by aggregating the weighted module marks, the weighting is by the ECTS associated with each module.

To proceed from Year One
An MEng student must:

- Achieve an aggregate mark of at least 40.00% in each module.
- Achieve a mark for the year of at least 40.00%.

To proceed from Year Two
An MEng student must:

- Achieve an aggregate mark of at least 40.00% in each module.
- Achieve a mark for the year of at least 40.00%.

To proceed from Year Three
A MEng student must:

- Achieve an aggregate mark of at least 40.00% in each module and pass the year with an overall mark of at least 50.00%, failure in an elective module may be compensated provided that you have been awarded 30.00% or higher. No more than 15 ECTS may be earned as compensated passes across the degree programme.

MATEXXXX YiI is a pass/fail module and does not count towards the degree calculation

To be awarded an MEng after Year Five
A student must:

- Achieve an aggregate mark of at least 50.00% in each module, failure in an elective module may be compensated provided that you have been awarded 40.00% or higher. No more than 15 ECTS may be earned as compensated passes across the degree programme.
- Optional ECTS may not be used to fulfil the core requirements of the MEng degree.

**Transferring between programmes**
As the first two years are the same for all programmes, students can (visa issues permitting) transfer between all programmes at the end of 2nd. Transfer to the Year in Industry requires you to be registered on an MEng degree and secure a placement in Year 3, in line with the Management of Placements Best Practice guidelines. The full process will be outlined in the Year 3 handbook. Confirmation on the Year in Industry will be subject to meeting the progression requirements to Year 4.

**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.

Your classification will be determined by your year weighted mark:

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

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

| | |
|---|---|
| First | 70.00% or above for the average weighted module results |
| Upper Second | 60.00% or above for the average weighted module results |
| Lower Second | 50.00% or above for the average weighted module results |
| 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 |
| --- |
| Provided a student has passed the year a student may be allowed the opportunity to be reassessed on failed modules in all years at the discretion of the Board of Examiners.<br><br>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. |

| **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/apply/postgraduate-taught/entry-requirements/accepted-qualifications/ |
| 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/governance/university-governance-structure/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.** |