Swansea University
Prifysgol Abertawe

FACULTY OF SCIENCE AND ENGINEERING

UNDERGRADUATE STUDENT HANDBOOK

YEAR 3 (FHEQ LEVEL 6)

BSC MATERIALS SCIENCE AND ENGINEERING

DEGREE PROGRAMMES

SUBJECT SPECIFIC
PART TWO OF TWO
MODULE AND COURSE STRUCTURE
2025-26

DISCLAIMER

The Faculty of Science and Engineering has made all reasonable efforts to ensure that the information contained within this publication is accurate and up-to-date when published but can accept no responsibility for any errors or omissions.

The Faculty of Science and Engineering reserves the right to revise, alter or discontinue degree programmes or modules and to amend regulations and procedures at any time, but every effort will be made to notify interested parties.

It should be noted that not every module listed in this handbook may be available every year, and changes may be made to the details of the modules. You are advised to contact the Faculty of Science and Engineering directly if you require further information.

IMPORTANT

Term Dates

The 25-26 academic year begins on 29 September 2025

Full term dates can be found here

Academic Integrity

Swansea University and the Faculty of Science of Engineering takes any form of **academic misconduct** very seriously. In order to maintain academic integrity and ensure that the quality of an Award from Swansea University is not diminished, it is important to ensure that all students are judged on their ability. No student should have an unfair advantage over another as a result of academic misconduct - whether this is in the form of **Plagiarism**, **Collusion** or **Commissioning**.

It is important that you are aware of the **guidelines** governing Academic Misconduct within the University/Faculty of Science and Engineering and the possible implications. The Faculty of Science and Engineering will not take intent into consideration and in relation to an allegation of academic misconduct - there can be no defence that the offence was committed unintentionally or accidentally.

Please ensure that you read the University webpages covering the topic – procedural guidance here and further information here. You should also read the Faculty Part One handbook fully, in particular the pages that concern Academic Misconduct/Academic Integrity.

The difference between compulsory and core modules

Compulsory modules must be **pursued** by a student.

Core modules must not only be **pursued**, but also **passed** before a student can proceed to the next level of study or qualify for an award. Failures in core modules must be redeemed.

Further information can be found under “Modular Terminology” on the following link - https://myuni.swansea.ac.uk/academic-life/academic-regulations/taught-guidance/essential-info-taught-students/your-programme-explained/

Key Programme Staff

Materials Science and Engineering Programme Director	Materials Science and Engineering Year 3 Coordinator
Dr Amit Das	Professor James Sullivan

Further Guidance for Year 3 students enrolled on a non-accredited BSc programme

Please be aware that the non-accredited BSc programme will follow standard University regulations, and it is important to be aware of the following:

CORE modules
There are no CORE modules in the Year 3 BSc programmes.

B-version of modules
Where a module has an additional assessment rule (for example, students must pass the exam with a mark of 40%+ in order to pass the module), B-versions of these modules have been created for the BSc programmes. The module content and assessment are the same, but the additional assessment rule does not feature.

Compensation at Final Year
As standard final year regulations apply for the BSc, these currently permit compensation in up to 40-credits down to 0 in non-core modules at Final Year.

Resits at Final Year
There is no opportunity for resits in final year for those on the BSc programme, unlike BEng/MEng.

Calculation of the BSc degree classification
Calculation of the BSc will follow standard university regulations with the following system applied - The overall average will be worked out with 3*weighting for the best 80 Cr from year 3, 2* weighting for remaining 40Cr from Year 3 and best 40Cr from Year 2, 1*weighting for remaining Year 2 modules. A formula is then applied to calculate the degree classification average.

As previously highlighted the BSc programmes are not-accredited.

Year 3 (FHEQ Level 6) 2025/26
BSc Materials Engineering
BSc Materials Science and Engineering

Semester 1 Modules	Semester 2 Modules
EG-3071B Advanced Optical Materials and Devices 10 Credits Prof WC Tsoi	EG-383 Ceramics 10 Credits Dr E Sackett
EG-381 Fracture and Fatigue 10 Credits Prof RE Johnston	EG-387 Materials Degradation and Protection 10 Credits Prof JH Sullivan
EG-391 Microstructure and Characterisation 10 Credits Dr L Prakash	EG-397 Propulsion 10 Credits Prof MT Whittaker
EG-392 Physical Metallurgy of Steels 10 Credits Dr E Sackett	EGA301B Composite Materials B 10 Credits Dr FA Korkees
EG-353 Individual Engineering Project 30 Credits Dr AC Tappenden/Dr M Fazeli/Prof PJ Holliman	
EG-386B Engineering Management B 10 Credits Dr JM Courtney/Dr M Evans	
Total 120 Credits	