



Swansea University
Prifysgol Abertawe

FACULTY OF SCIENCE AND ENGINEERING

UNDERGRADUATE STUDENT HANDBOOK

YEAR 4(FHEQ LEVEL 7)

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 4 Coordinator
Dr Amit Das	Professor James Sullivan

Year 4 (FHEQ Level 7) 2025/26

Materials Engineering

MEng Materials Science and Engineering[J504]

MEng Materials Science and Engineering with a Year Abroad[J506]

MEng Materials Science and Engineering with a Year in Industry[J503]

Semester 1 Modules	Semester 2 Modules
EGNM04 Nanoscale Structures and Devices 10 Credits Dr TGG Maffeis/Prof KS Teng CORE	EG-M190 Socio-Technical Engineering 10 Credits Dr SA Rolland/Dr A Larimi CORE
EGSM00 Structural Integrity of Aerospace Metals 10 Credits Prof C Pleydell-Pearce CORE	EG-M37 Additive Manufacturing 10 Credits Prof NPN Lavery CORE
EGTM71 Power Generation Systems 10 Credits Prof I Masters CORE	EG-M47 Business Leadership for Engineers 10 Credits Dr JE Norambuena-Contreras/Dr Z Tehrani CORE
EGTM79 Sustainability and Environmental Assessment 10 Credits Prof GTM Bunting/Mr MH Green CORE	EG-M83 Simulation Based Product Design 10 Credits Dr AJ Williams/Dr B Morgan CORE
	EGTM60 Aerospace Materials Engineering 10 Credits Prof C Pleydell-Pearce CORE
EG-M122 Group Project (Mechanical, Materials & EEE) 30 Credits Dr AK Bastola CORE	
Total 120 Credits	