



Swansea University
Prifysgol Abertawe

FACULTY OF SCIENCE AND ENGINEERING

UNDERGRADUATE TAUGHT STUDENT HANDBOOK

YEAR 3 (FHEQ LEVEL 6)

**BSC ELECTRONIC AND ELECTRICAL
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

Electronic and Electrical Engineering Programme Director	Electronic and Electrical Engineering Year 3 Year Coordinator
Dr Augustine Egwebe	Professor Vincent Teng

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 Electronic and Electrical Engineering
 BSc Electronic and Electrical Engineering

Semester 1 Modules	Semester 2 Modules
EG-345B Power Electronics 10 Credits Dr M Monfared	EG-319B Integrated Circuit Design 10 Credits Prof K Kalna/Dr A Ali
EGA333 Communications 10 Credits Prof A Mehta	EG-341 Microwave Circuits and Antennas 10 Credits Prof A Mehta
	EGA305 Nanoelectronics 10 Credits Prof KS Teng
EG-3080B Engineering Management B (Aero, EEE, Mech) 10 Credits Prof JC Arnold/Dr HKJ Jahanger/Dr EH Jewell/Mr JK Mcfadzean/Dr B Morgan/Ms LE Norman-Lewis/...	
EG-3088B Intelligent Manufacturing and Robotics 20 Credits Dr JS Thompson/Dr EH Jewell/Dr C Li/Mr AJ Morgan	
EG-353 Individual Engineering Project 30 Credits Dr AC Tappenden/Dr M Fazeli/Prof PJ Holliman	
EG-342 Power Systems 10 Credits Dr M Fazeli	
Total 120 Credits	

Year 3 (FHEQ Level 6) 2025/26
BSc Electronic and Electrical Engineering
 BSc Environmental Geoscience

[GEG367C](#)

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40 Credits

Dr RH Meara

Total 120 Credits

Optional Modules

Choose exactly 80 credits

<u>BGP300</u>	Science Communication with Placement	Dr WE Harris/Dr RH Meara/Dr SG Roberts/..	TB2	20
<u>GEB301</u>	Interdisciplinary Field Course to the Indian Himalayas (Sikkim)	Prof LJ Roberts/Dr KJ Ficken/Prof G Proffitt/..	TB1	20
<u>GEG337</u>	Wildfires	Prof SH Doerr	TB1	20
<u>GEG344</u>	Glaciology	Dr JR Jordan/Dr J Hiemstra/Prof B Kulessa/..	TB2	20
<u>GEG348</u>	Plate Tectonics and Global Geophysics	Prof B Kulessa	TB1	20
<u>GEG358</u>	Measuring Climate Change	Dr I Robertson/Prof MH Gagen	TB2	20
<u>GEG363</u>	Volcanology	Dr KJ Preece/Dr PG Albert/Prof SM Davies/..	TB2	20