



Swansea University
Prifysgol Abertawe

FACULTY OF SCIENCE AND ENGINEERING

UNDERGRADUATE STUDENT HANDBOOK

YEAR 1 (FHEQ LEVEL 4)

BSC PHYSICS **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

Physics Programme Director	Physics Year 1 Coordinator
Dr Timothy Burns	Dr Aled Isaac

Year 1 (FHEQ Level 4) 2025/26

Physics

BSc Physics[F300,F301]

BSc Physics with a Year in Industry[F478]

BSc Physics with a Year Abroad[F302]

MPhys Physics[F303]

MPhys Physics with a Year Abroad[F304]

MPhys Physics with a Year in Industry[F30Y]

Compulsory Modules

Semester 1 Modules	Semester 2 Modules
PH-100 Classical Mechanics 20 Credits Prof GAP Aarts CORE	PH-115 Quantum Mechanics I 20 Credits Dr T Burns CORE
PH-104 Astronomy and Cosmology 10 Credits Dr SG Roberts CORE	PH-116 Special Relativity 10 Credits Dr El Zavala Carrasco CORE
PH-132 Mathematics for Physicists I 20 Credits Prof CR Allton CORE	PH-133 Mathematics for Physicists II 20 Credits Prof CR Allton CORE
Total 120 Credits	

Optional Modules

Choose exactly 10 credits

Select at least one module

PH-109	Practical Physics I	Dr CA Isaac	TB1	10 (CORE)
PH-109C	Ffiseg Ymarferol I	Dr CA Isaac	TB1	10 (CORE)

And

Choose exactly 10 credits

PH-110	Practical Physics II	Dr CA Isaac/Prof PR Dunstan	TB2	10 (CORE)
PH-110C	Ffiseg Ymarferol II	Dr CA Isaac	TB2	10 (CORE)