FACULTY OF SCIENCE AND ENGINEERING

UNDERGRADUATE STUDENT HANDBOOK

YEAR 2 (FHEQ LEVEL 5)

COMPUTER SCIENCE
DEGREE PROGRAMMES

SUBJECT SPECIFIC
PART TWO OF TWO
MODULE AND COURSE STRUCTURE
2024-25

Welcome to the Faculty of Science and Engineering!

Whether you are a new or a returning student, we could not be happier to be on this journey with you.

At Swansea University and in the Faculty of Science and Engineering, we believe in working in partnership with students. We work hard to break down barriers and value the contribution of everyone.

Our goal is an inclusive community where everyone is respected, and everyone's contributions are valued. Always feel free to talk to academic, technical and administrative staff, administrators - I'm sure you will find many friendly helping hands ready to assist you. And make the most of living and working alongside your fellow students.

During your time with us, please learn, create, collaborate, and most of all – enjoy yourself!

Professor David Smith
Pro-Vice-Chancellor and Executive Dean
Faculty of Science and Engineering

Faculty of Science and Engineering	
Pro-Vice-Chancellor and Executive Dean	Professor David Smith
Head of Operations	Mrs Ruth Bunting
Associate Dean – Education	Dr Laura Roberts
School of Mathematics and Computer Science	
Head of School	Professor Elaine Crooks e.c.m.crooks@swansea.ac.uk
School Education Lead	Dr Neal Harman n.a.harman@swansea.ac.uk
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Computer Science Programme Director	Undergraduate – Dr Liam O'Reilly l.p.oreilly@swansea.ac.uk
Year Coordinators	Year 0 – Dr Deepak Sahoo d.r.sahoo@swansea.ac.uk Year 1 – Dr Trang Doan t.t.doan@swansea.ac.uk Year 2 – Dr Fabio Caraffini fabio.caraffini@swansea.ac.uk Year 3 – Dr Jens Blanck j.e.blanck@swansea.ac.uk Year 4 – Dr Tom Owen t.owen@swansea.ac.uk

The 24-25 academic year begins on 23 September 2024

Full term dates can be found [here](#)

DATES OF 24-25 TERMS

23 September 2024 – 13 December 2024

06 January 2025 – 11 April 2025

06 May 2025 – 06 June 2025

SEMESTER 1

23 September 2024 – 27 January 2025

SEMESTER 2

27 January 2025 – 06 June 2025

SUMMER

09 June 2025 – 19 September 2025

IMPORTANT INFORMATION ON 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.

STUDENT SUPPORT

The **Student Experience and Information Team** are here to support you through your studies and to provide non-judgemental advice and guidance. If you have any questions relating to your academic or personal life you can contact the Team and chat through your support options.

The Team is available for in-person support meetings and can also be contacted via email (studentsupport-scienceengineering@swansea.ac.uk) or phone **(+44 (0) 1792 295514)**. You can access their full contact details here.

To visit the Team you can attend either of the following Receptions:

- Reception in the Foyer of Engineering Central, Bay Campus
- Reception on the first-floor landing of the Wallace Building, Singleton Park Campus

Standard Reception opening hours are Monday to Friday from 9am to 5pm however, this may vary outside of term time.

The current FSE Student webpages also contain useful information and links to additional resources:

READING LISTS

Reading lists for each module are available on the course Canvas page and are also accessible via http://ifindreading.swan.ac.uk/.

We do not expect you to purchase textbooks, unless it is a specified key text for the course.

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/

Year 2 (FHEQ Level 5) 2024/25
Computer Science
BSc Computer Science[G400,G401]
BSc Computer Science with a Year Abroad[G40C]
MSci Computer Science[G4G4]
MSci Computer Science with a Year Abroad[G4G2]

Compulsory Modules

Semester 1 Modules	Semester 2 Modules
CS-205 **Declarative Programming** **15 Credits** **Dr M Seisenberger/Dr C Pradic**	**CS-275** **Automata and Formal Language Theory** **15 Credits** **Dr AM Pauly/Dr M Valenti**
CS-230 **Software Engineering** **15 Credits** **Dr LP O'Reilly**	
CS-250 **Database Systems** **15 Credits** **Dr KL Tam**	
CS-270 **Algorithms** **15 Credits** **Dr O Kullmann**	
Total 120 Credits	

Optional Modules
Choose a maximum of 45 credits
The maximum credit limit applies to this section and to the CS-239/CS-279 sub-section.

CS-200	Introduction to Human-Computer Interaction	Prof JS Pearson/Prof SNW Robinson	TB2	15
CS-203	Professional Development and Career Planning	Mrs S Gill	TB1	0
CS-210	Concurrency	Dr F Caraffini	TB2	15
CS-253	Web Service Development	Dr NA Harman	TB2	15
CS-256	Visual Computing	Prof MW Jones	TB2	15
CS-265	Artificial Intelligence	Dr AZ Wyner/Dr B Muller	TB2	15

And
Choose a maximum of 15 credits
You may choose to make no selection in this section.

CS-239	Software Security Engineering	Dr G Sabaliauskaite/Dr H Nguyen	TB2	15
CS-279	Intelligent Robotics	Dr D Cafolla	TB2	15

Year 2 (FHEQ Level 5) 2024/25
Computer Science
BSc Computer Science with a Year in Industry[G40A]
MSci Computer Science with a Year in Industry[G847]

Compulsory Modules

Semester 1 Modules	Semester 2 Modules
CS-205 **Declarative Programming** **15 Credits** **Dr M Seisenberger/Dr C Pradic**	**CS-275** **Automata and Formal Language Theory** **15 Credits** **Dr AM Pauly/Dr M Valenti**
CS-230 **Software Engineering** **15 Credits** **Dr LP O'Reilly**	
CS-250 **Database Systems** **15 Credits** **Dr KL Tam**	
CS-270 **Algorithms** **15 Credits** **Dr O Kullmann**	
CS-201 **Placement Preparation: Science Industrial Year** **0 Credits** **Dr SA Rolland**	
Total 120 Credits	

Optional Modules
Choose a maximum of 45 credits
The maximum credit limit applies to this section and to the CS-239/CS-279 sub-section.

CS-200	Introduction to Human-Computer Interaction	Prof JS Pearson/Prof SNW Robinson	TB2	15
CS-210	Concurrency	Dr F Caraffini	TB2	15
CS-253	Web Service Development	Dr NA Harman	TB2	15
CS-256	Visual Computing	Prof MW Jones	TB2	15
CS-265	Artificial Intelligence	Dr AZ Wyner/Dr B Muller	TB2	15

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CS-239	Software Security Engineering	Dr G Sabaliauskaite/Dr H Nguyen	TB2	15
CS-279	Intelligent Robotics	Dr D Cafolla	TB2	15