

These programme regulations should be read in conjunction with the University's [core regulations for undergraduate programmes](#), and the [marking and classification conventions for undergraduate programmes](#).

BSc Computer Science (G400), BSc Computer Science with Year Abroad (G408), BSc Computer Science with Placement (G409)

- This programme is available at Durham city, in a full-time mode of study.

Level 1 (Certificate)

- Candidates shall study and be assessed in the following modules:

| | | Credit value |
|------------------------------------|--------------------------|---------------------|
| Algorithms and Data Structures # | COMP1081 | 20 |
| Computational Thinking # | COMP1051 | 20 |
| Computer Systems # | COMP1071 | 20 |
| Mathematics for Computer Science # | COMP1021 | 20 |

- Candidates shall also study and be assessed in one of the two following modules:

| | | Credit value |
|-----------------------|--------------------------|---------------------|
| Programming (Black) # | COMP1101 | 20 |
| Programming (Gold) # | COMP1111 | 20 |

- Candidates shall also study and be assessed in modules at the same level up to the value of 20 credits offered by any other Boards of Studies (including appropriate credit-bearing language modules offered by the University's Centre for Foreign Language Study).

Level 2 (Diploma)

- Candidates shall study and be assessed in the following modules:

| | | Credit value |
|-------------------------|--------------------------|---------------------|
| Networks and Systems | COMP2211 | 20 |
| Programming Paradigms | COMP2221 | 20 |
| Theory of Computation | COMP2181 | 20 |
| Artificial Intelligence | COMP2261 | 20 |
| Data Science | COMP2271 | 20 |
| Software Engineering | COMP2281 | 20 |

Year 3 (Placement Year)

- During the third year candidates shall undertake an approved placement in industry, or in an institution or organisation undertaking research, for 40 weeks.

Year 3 (Year Abroad)

- Candidates shall spend an academic year at an overseas university, during which they will be required to follow a course of study in which computing related modules comprise a minimum of 50% of that study.

Level 3 (Degree)

- Candidates shall study and be assessed in the following module:

| | | Credit value |
|----------------------|--------------------------|---------------------|
| Individual Project ~ | COMP3012 | 40 |

9. Candidates shall study and be assessed in modules to the value of 80 credits from the following:

| | | Credit value |
|---|--------------------------|---------------------|
| Compiler Design * | COMP3637 | 10 |
| Computer Science into Schools | COMP3421 | 20 |
| Advanced Computer Systems * | COMP3467 | 10 |
| Algorithmic Game Theory | COMP3477 | 10 |
| Bioinformatics | COMP3487 | 10 |
| Codes and Cryptography | COMP3491 | 20 |
| Computational Complexity * | COMP3507 | 10 |
| Computational Modelling in the Humanities and Social Sciences | COMP3517 | 10 |
| Computer Vision | COMP3527 | 10 |
| Contemporary Computer Science III * | COMP3537 | 10 |
| Deep Learning | COMP3547 | 10 |
| Design of Algorithms and Data Structures | COMP3557 | 10 |
| Human-AI Interaction Design | COMP3647 | 10 |
| Multimedia and Game Development | COMP3567 | 10 |
| Natural Computing Algorithms | COMP3677 | 10 |
| Parallel Scientific Computing I | COMP3577 | 10 |
| Project Management | COMP3587 | 10 |
| Recommender Systems | COMP3607 | 10 |
| Reinforcement Learning | COMP3667 | 10 |
| Security Engineering | COMP3657 | 10 |
| Virtual and Augmented Reality | COMP3617 | 10 |
| Either Up to 20 credits of Level 2 or 3 modules offered by another Board of Studies | | 20 |
| Or a Level 1 language module offered by the University's Centre for Foreign Language Study | | |

Assessment, progression and award

10. Modules marked with the # symbol must be passed at 40% or above in order to progress to the next level of study.
11. Modules marked with the ~ symbol must be passed at 40% or above for the award of an honours degree. A mark of 30-39% cannot be compensated.
12. Students who wish to progress to Level 3 of the MEng are required to achieve an average mark of 55% across all modules at Level 2 with no mark for a module below 40%.
13. Modules marked with * are not available in 2022-23.

Placement Year

14. Students admitted to the BSc Computer Science (G400) are able to apply to transfer to the BSc Computer Science with Placement (G409).
15. Candidates wishing to transfer to the BSc Computer Science with Placement (G409) must:
 - a. have successfully completed Level 1 of the BSc Computer Science (G400) and progressed to Level 2 of the Honours or Ordinary programme; and
 - b. during the first term of Level 2 study, apply via the School's Placement Coordinator to the Board of Studies in Computer Science to be admitted to the BSc Computer Science with Placement (G409) and have their application approved by the Board of Studies; and
 - c. secure a placement opportunity with an institution or organisation and have this approved by the Board of Studies; and
 - d. successfully complete Level 2 of the BSc Computer Science so as to be eligible to progress to Level 3 of the BSc Computer Science (G400) Honours programme.
16. During the placement year:
 - a. Students will receive a salary from the placement provider in their year away, Durham will charge a lower tuition fee (20% of full fee).

- b. During the placement, students will have an assigned 'placement advisor' staff member who will provide advice and guidance. In some cases, a visit may be made to the placement provider premises.

Year Abroad

17. Students admitted to the BSc Computer Science (G400) are able to apply to transfer to the BSc Computer Science with Year Abroad (G408). Students undertaking the BSc Computer Science with Year Abroad (G408) will undertake an approved exchange in an overseas university taking a course of study chosen in consultation with the departmental exchange coordinator or their academic adviser and the host institution.
18. Candidates wishing to transfer to the BSc Computer Science with Year Abroad (G408) must:
 - a. have successfully completed Level 1 of the BSc Computer Science (G400) and progressed to Level 2 of the honours or Ordinary programme; and
 - b. during the first term of Level 2 study, apply via the School's exchange coordinator to the Board of Studies in Computer Science to be admitted to the BSc Computer Science with Year Abroad (G408) and have their application approved by the Board of Studies; and
 - c. secure an exchange opportunity with an approved international partner institution of the University; and
 - d. successfully complete Level 2 of the BSc Computer Science so as to be eligible to progress to Level 3 of the BSc Computer Science (G400) Honours programme.
19. The marks achieved by the student during the period of study abroad will not contribute to the marks for degree classification. Students who the Board of Examiners for Computer Science deem to have made satisfactory progress on the year abroad will continue to Level 3 of the BSc Computer Science with Year Abroad (G408) programme. Students who have not made satisfactory progress on the year abroad will not be permitted to continue on the BSc Computer Science with Year Abroad (G408) programme, but must instead proceed to Level 3 of the BSc Computer Science (G400) programme.

Professional Accreditation

20. The BSc Computer Science (G400), BSc Computer Science with Year Abroad (G408) and BSc Computer Science with Placement (G409) programmes are accredited by the British Computer Society, the Chartered Institute for IT for the purposes of fully meeting the academic requirement for registration as a Chartered IT Professional (CITP) for students entering Level 1 up to and including October 2020.
 21. The BSc Computer Science (G400), BSc Computer Science with Year Abroad (G408) and BSc Computer Science with Placement (G409) programmes are accredited by the British Computer Society, the Chartered Institute for IT on behalf of the Engineering Council for the purposes of partially meeting the academic requirement for a Chartered Engineer (CEng) for students entering Level 1 up to and including October 2020.
 22. The BSc Computer Science (G400), BSc Computer Science with Year Abroad (G408) and BSc Computer Science with Placement (G409) programmes are accredited by BCS, The Chartered Institute for IT, for the award of Euro-Inf Bachelor Quality Label on behalf of EQANIE (European Quality Assurance Network for Informatics Education e.V.) as satisfying the outcomes of First Cycle Programmes specified by the Euro-Inf Framework Standards and Accreditation Criteria for Informatics Degree Programmes for students entering Level 1 up to and including October 2020.
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