

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 Mathematics and Physics (G427)

BSc Mathematics and Physics with Year Abroad (G428)

BSc Mathematics and Physics with Placement (G429)

1. These programmes are available at Durham City, in a full-time mode of study.
2. All module selections must be timetable compatible and approved by the Director of Natural Sciences or by their nominee to ensure a credible pathway through to 120 credits of Year 3 modules.
3. Where modules are delivered entirely within a single term, a total of no more than 70 credits may be taken within any term.

Level 1 (Certificate)

4. Candidates shall study and be assessed in the following modules:

		Credit value
Analysis I #	MATH1051	20
Calculus I #	MATH1061	20
Linear Algebra I *	MATH1071	20
Discovery Skills in Physics *	PHYS1101	20
Foundations of Physics 1 #	PHYS1122	40

Level 2 (Diploma)

5. Candidates shall study and be assessed in the following modules:

		Credit value
Complex Analysis II	MATH2791	20
Mathematical Methods II	MATH2811	20
Foundations of Physics 2A*	PHYS2581	20
Foundations of Physics 2B	PHYS2591	20

6. **Either:** Candidates shall also study and be assessed in the following modules:

		Credit value
Methods of Mathematical Physics II	MATH2741	20
Modules from Level 2 BSc Physics (F300) regulations		20

Or: Candidates shall also study and be assessed in the following modules:

		Credit value
Theoretical Physics 2 *	PHYS2631	20
Modules from Level 2 BSc Mathematics (G100) regulations		20

Year 3 (with Year Abroad)

7. Students admitted to the BSc Mathematics and Physics (G427) can apply to transfer to the BSc Mathematics and Physics with Year Abroad programme (G428). Students undertaking the BSc Mathematics and Physics with Year Abroad programme (G428) will undertake an approved exchange in an overseas university taking a course of study chosen in consultation with the Director of Natural Sciences or their nominee and the host institution.
8. Candidates wishing to transfer to the BSc Mathematics and Physics with Year Abroad (G428) must:
 - a. have successfully completed Level 1 of the BSc Mathematics and Physics (G427) and progressed to Level 2 of the Honours programme; and
 - b. secure an exchange opportunity with an approved international partner institution of the University; and

- c. successfully complete Level 2 of the BSc Mathematics and Physics (G427) to be eligible to progress to Level 3 of the BSc Mathematics and Physics (G427) Honours programme; and
 - d. register for the module “Natural Sciences Overseas BSc (NSCI 3986)”
9. Candidates who the Board of Examiners deem to have made satisfactory progress on the year abroad will continue to Level 3 of the BSc Mathematics and Physics with Year Abroad (G428). Students who have not made satisfactory progress on the year abroad will not be permitted to continue on the BSc Mathematics and Physics with Year Abroad (G428) programme, but must instead proceed to Level 3 of the BSc Mathematics and Physics (G427) programme.

Year 3 (with Placement)

10. Candidates admitted to the BSc Mathematics and Physics (G427) can apply to transfer to the BSc Mathematics and Physics with Placement (G429). Students undertaking the BSc Mathematics and Physics with Placement (G429) will undertake an approved placement chosen in consultation with the Director of Natural Sciences or their nominee and the host partner.
11. Candidates wishing to transfer to the BSc Mathematics and Physics with Placement (G429) as their third year must:
- a. Have successfully completed Level 1 of the BSc Mathematics and Physics (G427) and progressed to Level 2 of the Honours BSc programme; and
 - b. Secure a Placement Year opportunity or opportunities comprising at least 40 weeks of professional-level work experience, agreed with the Director of Natural Sciences or their nominee; and
 - c. Successfully complete Level 2 to be eligible to progress to Level 3 of the BSc Mathematics and Physics (G427) Honours programme; and
 - d. register for the module “Natural Sciences Placement BSc (NSCI 3976)”
12. Candidates who the Board of Examiners deem to have made satisfactory progress on the placement will continue to Level 3 of the BSc Mathematics and Physics with Placement (G429). Students who have not made satisfactory progress on the placement will not be permitted to continue on the BSc Mathematics and Physics with Placement (G429) programme, but must instead proceed to Level 3 of the BSc Mathematics and Physics (G427) programme.

Level 3 (Degree)

13. Candidates shall study and be assessed in:

	Credit value
Modules from Level 3 BSc Mathematics (G100) regulations	40

14. Candidates shall also study and be assessed in the following module:

	Credit value
Foundations of Physics 3A PHYS3621	20

15. **Either:** If the candidates studied Theoretical Physics 2 (PHYS 2631) at Level 2, they shall also study and be assessed in the following module:

	Credit value
Theoretical Physics 3 PHYS3661	20

Or: If the candidates studied Methods of Mathematical Physics II (MATH 2741) at Level 2, they shall also study and be assessed in the following modules:

	Credit value
Modules from Level 3 BSc Physics (F300) regulations	20

16. Candidates are required to take Capstone module(s) to the value of at least 20 credits and no more than 60 credits from the following List A:

List A:	Credit value
Group Project III MATH3531	20
Individual Project III MATH3541	20
Mathematics into Schools MATH3481	20
Science Enterprise NSCI3001	20
Computing Project PHYS3561	20
Team Project PHYS3581	20
Advanced Laboratory PHYS3601	20

Physics Into Schools	PHYS3611	20
Laboratory Skills and Electronics 3	PHYS3681	20
Physics in Society 3	PHYS3691	20
BSc Project	PHYS3701	20

Note that candidates selecting modules from List A may also satisfy Paragraph 12 or 14.

17. Candidates shall also study and be assessed in any remaining credits from List B:

List B:

- Modules from Level 3 BSc Physics (F300) regulations
- Modules from Level 3 BSc Mathematics (G100) regulations

Assessment, progression and award

18. Modules marked with the # symbol must be passed at no less than 40% in order to progress to the next level of study.
19. Modules marked with the * symbol must be passed at no less than 40% in order to progress to the next level of study. Students who have not passed will not be permitted to continue on the BSc Mathematics and Physics (G427) programme, but must instead proceed to Level 2 of the BSc Natural Sciences (CFG0) programme.

Professional accreditation

20. The specified Joint-Honours approved pathways through Physics within Natural Sciences have been recognised by the Institute of Physics as a degree with a physics component until June 2029.