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.

[First intake 2026-27]

MSci Chemistry and Physics (FF14)

MSci Chemistry and Physics with Placement (FF17)

1. This programme is 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 4 modules.

Level 1 (Certificate)

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

		Credit value
Core Chemistry 1 #	CHEM1078	30
Practical Chemistry 1A *	CHEM1087	10
Foundations of Physics 1 #	PHYS1122	40

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

		Credit value
Linear Algebra I *	MATH1071	20
Calculus I *	MATH1061	20

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

		Credit value
Single Mathematics A *	MATH1561	20
Single Mathematics B *	MATH1571	20

Level 2 (Diploma)

5. Candidates shall study and be assessed in:

		Credit value
Core Chemistry 2 #	CHEM2012	40
Properties of Molecules *	CHEM2097	10
Practical Chemistry 2 – Measurement *	CHEM2157	10
Foundations of Physics 2A *	PHYS2581	20
Mathematical Methods in Physics *	PHYS2611	20
Discovery Skills in Physics *	PHYS1101	20

Level 3 (Degree)

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

		Credit value
Chemical Physics 3	CHEM3411	20
Computational Chemical Physics *	CHEM3151	20
Molecules and their Interactions	CHEM3137	10
Practical Chemistry 3 – Measurement *	CHEM3467	10
Foundations of Physics 3A *	PHYS3621	20
Foundations of Physics 2B	PHYS2591	20
Laboratory Skills and Electronics 3	PHYS3681	20

Placement – Year 3 or Year 4

7. Candidates admitted to the MSci Chemistry and Physics (FF14) can apply to transfer to the MSci Chemistry and Physics with Placement (FF17). Students undertaking the MSci Chemistry and Physics with Placement (FF17) will undertake an approved placement chosen in consultation with the Director of Natural Sciences or their nominee and the host partner.
8. Candidates wishing to transfer to the MSci Chemistry and Physics with Placement (FF17) as their third year must:
    a. Have successfully completed Level 1 of the MSci Chemistry and Physics (FF14) and progressed to Level 2 of the Honours or BSc programme; and
    b. During the first term of Level 2 study, the student must discuss their intention to apply with the Director of Natural Sciences or their nominee in order to be admitted to the MSci Chemistry and Physics with Placement (FF17) and receive approval by the Director of Natural Sciences or their nominee; and
    c. 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
    d. Successfully complete Level 2 to be eligible to progress to Level 3 of the MSci Chemistry and Physics (FF14) Honours programme.
9. Students who the Board of Examiners for Natural Sciences deem to have made satisfactory progress on the placement will continue to Level 3 of the MSci Chemistry and Physics with Placement (FF17). Students who have not made satisfactory progress on the placement will not be permitted to continue on the MSci Chemistry and Physics with Placement (FF17) programme, but must instead proceed to Level 3 of the MSci Chemistry and Physics (FF14) programme.
10. Candidates wishing to transfer to the MSci Chemistry and Physics with Placement (FF17) as their fourth year must:
    a. Have successfully completed Level 2 of the MSci Chemistry and Physics (FF14) and progressed to Level 3 of the Honours programme; and
    b. During the first term of Level 3 study, the student must discuss their intention to apply with the Director of Natural Sciences or their nominee in order to be admitted to the MSci Chemistry and Physics with Placement (FF17) and receive approval by the Director of Natural Sciences or their nominee; and
    c. 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
    d. Successfully complete Level 3 of the MSci Chemistry and Physics (FF14) programme to be eligible to progress to Level 4 of the MSci Chemistry and Physics (FF14) Honours programme.
    e. register for the module “Natural Sciences Placement MSCI (NSCI 3996)”
11. Students who the Board of Examiners deem to have made satisfactory progress on the placement will continue to Level 4 of the MSci Chemistry and Physics with Placement (FF17). Students who have not made satisfactory progress on the placement will not be permitted to continue on the MSci Chemistry and Physics with Placement (FF17) programme, but must instead proceed to Level 4 of the MSci Chemistry and Physics (FF14) programme.

Level 4 (Degree)

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

		Credit value
Project	PHYS4213	60
Advanced Research Concepts in Chemistry	CHEM4481	20
Foundations Of Physics 4B	PHYS4261	20
Advanced Computational Chemical Physics 4	CHEM4471	20

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

		Credit value
Chemistry Research Project	CHEM4494	80
Foundations Of Physics 4B	PHYS4261	20
AND modules to the value of 20 credits from List A:		
List A:		**Credit value**
Advanced Research Concepts in Chemistry	CHEM4481	20
Advanced Computational Chemical Physics 4	CHEM4471	20

13. Candidates shall also study and be assessed in modules from Level 4 Master of Mathematics (G103) regulations.

Assessment, progression and award

14. Modules marked with the # symbol must be passed at no less than 40% in order to progress to the next level of study.
15. 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 MSci in Chemistry and Physics (FF14) programme, but must instead proceed to the next level of the BSc Natural Sciences (CFG0) programme.
16. Candidates whose achievement at the end of Level 3 does not qualify them to proceed to Level 4 will be awarded a BSc in Chemistry and Physics in accordance with the Core Regulations.
17. Candidates whose achievement at the end of Level 4 does not qualify them to be awarded the MSci degree will be awarded a BSc in Chemistry and Physics in accordance with the Core Regulations.
18. This programme is not available with an additional year to study abroad at a partner institution; however, this does not exclude the opportunity for an individual student to seek a concession to undertake a replacement year at an overseas institution where an appropriate programme of study can be identified and secured by that student in liaison with the University's International Office and subject to the approval of the Director of Natural Sciences.

Professional accreditation

19. This programme is recognised by the Institute of Physics as a degree with a physics component until June 2029.
20. This programme is accredited by the Royal Society of Chemistry for candidates entering Level 1 up to and including October 2023 as satisfying the academic requirements for the award of Chartered Chemist (CChem) for holders of first or second class honours degrees subject to a necessary requirement for a candidate to take a final year project in the chemical sciences or at the interface of chemistry and physics.