

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](#).

This document contains separate regulations based on programme start date (from October 2026 and in October 2025 or earlier).

Please ensure that you review the correct programme regulations for your start date.

BSc Chemistry and Mathematics (FG11)

BSc Chemistry and Mathematics with Year Abroad (FG13)

BSc Chemistry and Mathematics with Placement (FG14)

(for candidates admitted from October 2026)

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
Foundations of Chemistry: Atoms, Bonding & Energetics #	CHEM1032	40
Chemical Systems & Change: Structure & Dynamics *	CHEM1131	20
Analysis I #	MATH1051	20
Calculus I #	MATH1061	20
Linear Algebra I *	MATH1071	20

Level 2 (Diploma)

5. Candidates shall study and be assessed in:

		Credit value
Principles of Inorganic Chemistry: Symmetry & Transition metal complexes	CHEM****	20
Principles of Physical Chemistry: Thermodynamics & Spectroscopy	CHEM****	20
Practical Measurement and Analysis – Level 2	CHEM****	20
Modules from the Level 2 BSc Mathematics (G100) regulations		60

Year 3 (with Year Abroad)

6. Students admitted to the BSc Chemistry and Mathematics (FG11) can apply to transfer to the BSc Chemistry and Mathematics with Year Abroad programme (FG13). Students undertaking the BSc Chemistry and Mathematics with Year Abroad programme (FG13) 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.
7. Candidates wishing to transfer to the BSc Chemistry and Mathematics with Year Abroad (FG13) must:
 - a. have successfully completed Level 1 of the BSc Chemistry and Mathematics (FG11) 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 Chemistry and Mathematics (FG11) to be eligible to progress to Level 3 of the BSc Chemistry and Mathematics (FG11) Honours programme; and
 - d. register for the module “Natural Sciences Overseas BSc (NSCI 3986)”
8. Candidates who the Board of Examiners deem to have made satisfactory progress on the year abroad will continue to Level 3 of the BSc Chemistry and Mathematics with Year Abroad (FG13). Students who have not made satisfactory progress on the year abroad will not be permitted to continue on the BSc Chemistry and Mathematics with Year Abroad (FG13) programme but must instead proceed to Level 3 of the BSc Chemistry and Mathematics (FG11) programme.

Year 3 (with Placement)

9. Candidates admitted to the BSc Chemistry and Mathematics (FG11) can apply to transfer to the BSc Chemistry and Mathematics with Placement (FG14). Students undertaking the BSc Chemistry and Mathematics with Placement (FG14) will undertake an approved placement chosen in consultation with the Director of Natural Sciences or their nominee and the host partner.
10. Candidates wishing to transfer to the BSc Chemistry and Mathematics with Placement (FG14) as their third year must:
- a. Have successfully completed Level 1 of the BSc Chemistry and Mathematics (FG11) 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 Chemistry and Mathematics (FG11) Honours programme; and
 - d. register for the module “Natural Sciences Placement BSc (NSCI 3976)”
11. Candidates who the Board of Examiners deem to have made satisfactory progress on the placement will continue to Level 3 of the BSc Chemistry and Mathematics with Placement (FG14). Students who have not made satisfactory progress on the placement will not be permitted to continue on the BSc Chemistry and Mathematics with Placement (FG14) programme but must instead proceed to Level 3 of the BSc Chemistry and Mathematics (FG11) programme.

Level 3 (Degree)

12. Candidates shall study and be assessed in 40 credits from the following modules:

		Credit value
Chemistry into School	CHEM3081	20
Chemistry BSc Dissertation	CHEM3161	20
Chemistry and Society	CHEM3061	20
Mathematics Group Project III	MATH3531	20
Mathematics Individual Project III	MATH3541	20
Mathematics into Schools	MATH3481	20
Science Enterprise	NSCI3001	20

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

		Credit value
Contemporary Physical Chemistry: Statistical thermodynamics & Kinetics	CHEM****	20
Practical Measurement and Analysis – Level 3	CHEM****	20
Modules available from the Level 3 Mathematics (MATH) list		40

14. Candidates shall study and be assessed in any remaining credits from:

		Credit value
Contemporary Inorganic Chemistry: Organometallics & Catalysis	CHEM****	20
Materials Chemistry	CHEM****	20
Computational Chemistry	CHEM****	20
Modules available from the Level 3 Mathematics (MATH) list		

Assessment, progression and award

15. Modules marked with the # symbol must be passed at no less than 40% in order to progress to the next level of study.

16. 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 the BSc Chemistry and Mathematics (FG11) programme but must instead proceed to BSc Natural Sciences (CFG0) programme.

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BSc Chemistry and Mathematics (FG11)

BSc Chemistry and Mathematics with Year Abroad (FG13)

BSc Chemistry and Mathematics with Placement (FG14)

(for candidates admitted in October 2025 or earlier)

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.

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
Linear Algebra I #	MATH1071	20
Calculus I #	MATH1061	20
Analysis I *	MATH1051	20

4. Candidates shall also study and be assessed in 20 credits of module(s) from those subjects listed in Paragraph 2 of the BSc Natural Sciences programme (CFG0) regulations.

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
Modules from the Level 2 BSc Mathematics (G100) regulations		60

Year 3 (with Year Abroad)

6. Students admitted to the BSc Chemistry and Mathematics (FG11) can apply to transfer to the BSc Chemistry and Mathematics with Year Abroad programme (FG13). Students undertaking the BSc Chemistry and Mathematics with Year Abroad programme (FG13) 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.
7. Candidates wishing to transfer to the BSc Chemistry and Mathematics with Year Abroad (FG13) must:
 - a. have successfully completed Level 1 of the BSc Chemistry and Mathematics (FG11) and progressed to Level 2 of the Honours programme; and
 - b. during the first term of Level 2 study, apply to the Director of Natural Sciences or their nominee to be admitted to the BSc Chemistry and Mathematics (with Year Abroad) (FG13); and
 - c. secure an exchange opportunity with an approved international partner institution of the University; and
 - d. successfully complete Level 2 of the BSc Chemistry and Mathematics (FG11) to be eligible to progress to Level 3 of the BSc Chemistry and Mathematics (FG11) Honours programme; and
 - e. register for the module "Natural Sciences Overseas BSc (NSCI 3986)"

8. Candidates who the Board of Examiners deem to have made satisfactory progress on the year abroad will continue to Level 3 of the BSc Chemistry and Mathematics with Year Abroad (FG13). Students who have not made satisfactory progress on the year abroad will not be permitted to continue on the BSc Chemistry and Mathematics with Year Abroad (FG13) programme, but must instead proceed to Level 3 of the BSc Chemistry and Mathematics (FG11) programme.

Year 3 (with Placement)

9. Candidates admitted to the BSc Chemistry and Mathematics (FG11) can apply to transfer to the BSc Chemistry and Mathematics with Placement (FG14). Students undertaking the BSc Chemistry and Mathematics with Placement (FG14) will undertake an approved placement chosen in consultation with the Director of Natural Sciences or their nominee and the host partner.
10. Candidates wishing to transfer to the BSc Chemistry and Mathematics with Placement (FG14) as their third year must:
- Have successfully completed Level 1 of the BSc Chemistry and Mathematics (FG11) and progressed to Level 2 of the Honours BSc programme; and
 - 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 BSc Chemistry and Mathematics with Placement (FG14) and receive approval by the Director of Natural Sciences or their nominee; and
 - 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
 - Successfully complete Level 2 to be eligible to progress to Level 3 of the BSc Chemistry and Mathematics (FG11) Honours programme; and
 - register for the module "Natural Sciences Placement BSc (NSCI 3976)"
11. Candidates who the Board of Examiners deem to have made satisfactory progress on the placement will continue to Level 3 of the BSc Chemistry and Mathematics with Placement (FG14). Students who have not made satisfactory progress on the placement will not be permitted to continue on the BSc Chemistry and Mathematics with Placement (FG14) programme, but must instead proceed to Level 3 of the BSc Chemistry and Mathematics (FG11) programme.

Level 3 (Degree)

12. Candidates shall study and be assessed in 40 credits from the following modules:

		Credit value
Chemistry into School	CHEM3081	20
Chemistry BSc Dissertation	CHEM3161	20
Chemistry and Society	CHEM3061	20
Mathematics Project	MATH3382	40
Mathematics into Schools	MATH3481	20
Science Enterprise	NSCI3001	20

13. **Either:** Candidates shall study and be assessed in the following module:

		Credit value
Core Chemistry 3	CHEM3012	40

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

		Credit value
Chemical Physics 3	CHEM3411	20
20 credits of available modules from the Level 3 Chemistry (CHEM) list and Science Enterprise)	NSCI3001	20

14. Candidates shall study and be assessed in the following modules

	Credit value
Modules from the Level 3 Mathematics (MATH) list	40

15. Candidates shall study and be assessed in any remaining credits from:

	Credit value
Modules available from Level 3 (including the Chemistry (CHEM) list and Mathematics (MATH) list)	

Assessment, progression and award

16. Modules marked with the # symbol must be passed at no less than 40% in order to progress to the next level of study.
17. 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 the BSc Chemistry and Mathematics (FG11) programme, but must instead proceed to BSc Natural Sciences (CFG0) programme.