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.

Master of Chemistry (F105)

(for candidates admitted from October 2026)

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

Level 1 (Certificate)

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

		Credit value
Foundations of Chemistry: Atoms, Bonding & Energetics # (Experimental Chemistry I: Introductory to Laboratory Techniques)	CHEM1032	40
Chemical Systems & Change: Structure & Dynamics #	CHEM1131	20
Mathematical Methods for Chemists #	CHEM1121	20
Experimental Chemistry II: Developing Laboratory Expertise #	CHEM1141	20

3. Candidates shall also study and be assessed in modules to the value of 20 credits from:

		Credit value
Molecules in Action	CHEM1061	20
With the approval of the Director of Education in Chemistry, any Open Level 1 modules up to the value of 20 credits offered by any Boards of Studies including a language module offered by the University's Centre for Foreign Language Study.		20

Level 2 (Diploma)

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

		Credit value
Principles of Inorganic Chemistry: Symmetry & Transition metal complexes #	CHEM****	20
Principles of Organic Chemistry: Aromaticity & Synthetic strategy #	CHEM****	20
Principles of Physical Chemistry: Thermodynamics & Spectroscopy #	CHEM****	20
Practical Chemistry Integrated – Level 2 #	CHEM****	40

5. Candidates shall also study and be assessed in modules to the value of 20 credits from List A:

List A:		**Credit value**
Molecular Structure and Spectroscopic Methods	CHEM****	20
Chemical Principles of Biological Systems	CHEM****	20
With the approval of the Director of Education in Chemistry, Level 2 modules to the value of 20 credits offered by another Board of Studies, including up to 20 credits of appropriate credit-bearing Level 1 language modules offered by the University's Centre for Foreign Language Study.		20

Level 3 (Degree)

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

		Credit value
Practical Chemistry Integrated – MChem Level 3 #	CHEM****	40

7. Candidates shall also study and be assessed in either two or three modules from List B:

List B:		Credit value
Contemporary Inorganic Chemistry: Organometallics & Catalysis	CHEM****	20
Contemporary Organic Chemistry: Pericyclic & stereoselectivity	CHEM****	20
Contemporary Physical Chemistry: Statistical thermodynamics & Kinetics	CHEM****	20

8. Candidates shall also study and be assessed for any remaining credits from List C:

List C:		Credit value
Materials Chemistry	CHEM****	20
Computational Chemistry	CHEM****	20
Advanced Organic Chemistry	CHEM****	20
Chemistry into Schools	CHEM3081	20
Enhancing Pedagogy in Chemistry	CHEM****	20

Level 4 (Degree)

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

		Credit value
Chemistry Research Project ~	CHEM4494	80

10. Candidates shall also study and be assessed in modules to the value of 40 credits from List D:

List D:		Credit value
Frontiers in Molecular Assembly	CHEM4311	20
Advanced Research Concepts in Chemistry	CHEM4481	20
Emerging Developments in Chemistry	CHEM4491	20
Advanced Computational Chemistry	CHEM****	20

Assessment, progression and award

11. Students who have successfully completed the first two Levels of the Master of Chemistry (F105) in accordance with the Core Regulations may, with the permission of the Director of Education in Chemistry, may change their registration to the Master of Chemistry (International Route, F102) or Master of Chemistry (Industrial Route, F111).
12. Students who fail to achieve the standard required under the Core Regulations for progression to Level 3 of the Master of Chemistry but who achieve the standard required for progression to Level 3 of a Bachelors programme may progress to Level 3 of the BSc Chemistry (F100) in accordance with the Core Regulations.
13. A student who is qualified to progress from Level 2 to Level 3 of the Master of Chemistry (F105) but wishes to transfer to Level 3 of the BSc Chemistry (F100) shall be permitted to do so.
14. Students whose achievement at the end of Level 3 does not qualify them to proceed to Level 4 may be awarded the degree of Bachelor of Chemistry (BChem) at either Honours or Ordinary level in accordance with the Core Regulations for the award of a Bachelors degree.
15. 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. Modules marked with the # symbol must be passed at 40% or above to progress to the next level of study.
16. Students whose achievement at the end of Level 4 does not qualify them to be awarded the degree of Master of Chemistry may be awarded the degree of Bachelor of Chemistry (BChem) with Honours in accordance with the Core Regulations for the award of a Bachelors degree.

Professional accreditation

17. This programme is accredited by the Royal Society of Chemistry for students entering Level 1 as satisfying the academic requirements for the award of Chartered Chemist (CChem) for holders of first- or second-class honours degrees.

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.

Master of Chemistry (F105)

(for candidates admitted in October 2025 or earlier)

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

Level 1 (Certificate)

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

		Credit value
Core Chemistry 1 #	CHEM1078	30
Practical Chemistry 1A #	CHEM1087	10
Mathematical and Experimental Tools required in Chemistry #	CHEM1111	20
Introduction to Materials Chemistry #	CHEM1127	10
Practical Chemistry 1B #	CHEM1107	10

3. Candidates shall also study and be assessed in modules to the value of 40 credits from List A:

List A:		**Credit value**
Molecules in Action	CHEM1061	20
Single Mathematics A	MATH1561	20
Open Level 1 modules up to the value of 40 credits offered by any Boards of Studies (including up to 20 credits of appropriate language modules offered by the University's Centre for Foreign Language Study).		

Level 2 (Diploma)

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

		Credit value
Core Chemistry 2 #	CHEM2012	40
Chemistry of the Elements #	CHEM2077	10
Practical Chemistry 2 – Integrated #	CHEM2138	30
Structure and Reactivity in Organic Chemistry #	CHEM2087	10
Properties of Molecules #	CHEM2097	10

5. Candidates shall also study and be assessed in modules to the value of 20 credits from List B:

List B:		**Credit value**
Biological Chemistry	CHEM2051	20
Computational Chemistry	CHEM2061	20
With the approval of the Director of Education in Chemistry, Level 1 or Level 2 modules to the value of 20 credits offered by another Board of Studies, including up to 20 credits of appropriate credit-bearing Level 1 language modules offered by the University's Centre for Foreign Language Study.		20

Level 3 (Degree)

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

		Credit value
Core Chemistry 3	CHEM3012	40
Chemistry Literature Perspective	CHEM3187	10
Practical Chemistry 3 – Integrated #	CHEM3451	20

Inorganic Concepts and Applications	CHEM3097	10
Advanced Organic Chemistry	CHEM3117	10
Molecules and their Interactions	CHEM3137	10

7. Candidates shall also study and be assessed in modules to the value of 20 credits from List C:

List C:		**Credit value**
Materials Chemistry	CHEM3051	20
Advanced Computational Chemistry	CHEM3071	20
Biological Chemistry	CHEM2051	20
Computational Chemistry	CHEM2061	20
Advanced Biological Chemistry	CHEM3421	20
Chemistry into Schools	CHEM3081	20

Level 4 (Degree)

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

		Credit value
Chemistry Research Project ~	CHEM4494	80

9. Candidates shall also study and be assessed in modules to the value of 40 credits from List D:

List D:		**Credit value**
Frontiers in Molecular Assembly	CHEM4311	20
Advanced Research Concepts in Chemistry	CHEM4481	20
Advanced Computational Chemical Physics	CHEM4471	20
Emerging Developments in Chemistry	CHEM4491	20

Assessment, progression and award

10. Students who have successfully completed the first two Levels of the Master of Chemistry F105 in accordance with the Core Regulations may, with the permission of the Chair of the Board of Studies in Chemistry, change their registration to the Master of Chemistry (International Route) F102 or Master of Chemistry (Industrial Route) F111.
11. Students who fail to achieve the standard required under the Core Regulations for progression to Level 3 of the MChem but who achieve the standard required for progression to Level 3 of a Bachelors programme may progress to Level 3 of the BSc Chemistry in accordance with the Core Regulations
12. A student who is qualified to progress from Level 2 to Level 3 of the MChem but wishes to transfer to Level 3 of the BSc Chemistry shall be permitted to do so.
13. Students whose achievement at the end of Level 3 does not qualify them to proceed to Level 4 may be awarded the degree of Bachelor of Chemistry (BChem) at either Honours or Ordinary level in accordance with the Core Regulations for the award of a Bachelors degree.
14. 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. Modules marked with the # symbol must be passed at 40% or above to progress to the next level of study.
15. Students whose achievement at the end of Level 4 does not qualify them to be awarded the degree of MChem may be awarded the degree of Bachelor of Chemistry (BChem) with Honours in accordance with the Core Regulations for the award of a Bachelors degree.

Professional accreditation

16. This programme is accredited by the Royal Society of Chemistry for students entering Level 1 up to and including October 2025 as satisfying the academic requirements for the award of Chartered Chemist (CChem) for holders of first- or second-class honours degrees.