Programme Regulations: 2025/26

Programme Titles:
Degree of Bachelor of Science with Honours in Chemistry – UCAS Code F100
Degree of Bachelor of Science with Honours in Chemistry with Industrial Training – Internal Code: 1956U (For students who commenced study prior to September 2025 - UCAS Code: F102)
Degree of Bachelor of Science with Honours in Chemistry with Study Abroad - Internal Code: 1962U (For students who commenced study prior to September 2025 - UCAS Code: F109)

Notes

i. *These programme regulations should be read in conjunction with the University's Taught Programme Regulations.*
ii. *All optional modules are offered subject to the constraints of the timetable and to any restrictions on the number of students who may be taught on a particular module. Not all modules may be offered in all years and they are listed subject to availability.*
iii. *A compulsory module is a module which a student is required to study.*
iv. *If a candidate meets the requirements of a four-year MChem Honours degree in Chemistry they may transfer to that programme at any time before the start of Stage 3.*
v. *If a candidate for one of the four-year MChem degrees fails to meet the requirements of their degree, they may be transferred to the appropriate BSc programme.*
vi. *Programme transfers for Student Visa students may be restricted. Please refer to the Visa Team for advice.*

1. Stage 1

All candidates shall take the following compulsory modules:

Code	*Descriptive title*	*Total Credits*	*Credits Sem 1*	*Credits Sem 2*	*Level*
NES1400	Chemical Laboratory Skills 1	20	10	10	4
NES1401	Chemical Skills and Professionalism	10	10		4
NES1402	Fundamentals of Organic Chemistry	20	10	10	4
NES1403	Fundamentals of Inorganic Chemistry	20	10	10	4
NES1404	Fundamentals of Physical Chemistry	20		20	4
NES1406	General Chemistry	10	10		4
NES1408	Fundamentals of Biological Chemistry	10		10	4

(a) Candidates who have A Level Maths grade C or below:

(i) All candidates shall take the following compulsory module:

Code	*Descriptive title*	*Total Credits*	*Credits Sem 1*	*Credits Sem 2*	*Level*
NES1405	Mathematical Skills for Science	10	10		4

(b) Candidates who have A Level Maths grade B or above:

(i) All candidates shall take 10 credits of optional modules normally selected from the following list:

Code	*Descriptive title*	*Total Credits*	*Credits Sem 1*	*Credits Sem 2*	*Level*
NES1407	Introduction to Scientific Computing for Chemists	10		10	4
PHY1021	Introductory Astrophysics	10	10		4

2. Stage 2

(a) All candidates shall take the following compulsory modules:

Code	*Descriptive title*	*Total Credits*	*Credits Sem 1*	*Credits Sem 2*	*Level*
NES2202	Sustainable Solutions	10	10		5
NES2400	Chemical Laboratory Skills 2	20	10	10	5
NES2401	Structural Chemistry	10	10		5
NES2402	Organic Chemistry	20	10	10	5
NES2403	Inorganic Chemistry	20	10	10	5
NES2404	Physical Chemistry	20	10	10	5

(b) All candidates shall take 20 credits of optional modules normally selected from the following list:

Code	*Descriptive title*	*Total Credits*	*Credits Sem 1*	*Credits Sem 2*	*Level*
NES2405	Medicinal Chemistry	10		10	5
NES2406	Scientific Computing for Chemists	10		10	5
NES2408	Chemistry of the Atmosphere	10		10	5

3. Intercalating Year for 1956U and 1962U. (F102 and F109 for students who commenced prior to September 2025)

(a) Year in Industry

On completion of Stage 2 and before entering Stage 3, all candidates taking the **BSc degree with Honours in Chemistry with Industrial Training (1956U or F102)** shall spend one year in a placement approved by the Degree Programme Director.

All candidates shall take the following compulsory module:

Code	*Descriptive title*	*Total Credits*	*Credits Sem 1*	*Credits Sem 2*	*Level*
NES3413	Intercalating Module for year in industry	120	60	60	

(b) Year Abroad

On completion of Stage 2 and before entering Stage 3, all candidates taking the **BSc degree with Honours in Chemistry with Study Abroad (1962U or F109)** shall spend one year in a host institution approved by the Degree Programme Director.

All candidates shall take the following compulsory module:

Code	*Descriptive title*	*Total Credits*	*Credits Sem 1*	*Credits Sem 2*	*Level*
NES3414	Intercalating Module for year abroad	120	60	60	6

4. Stage 3

(a) All candidates shall take the following compulsory modules:

Code	*Descriptive title*	*Total Credits*	*Credits Sem 1*	*Credits Sem 2*	*Level*
NES3400	Chemistry Laboratory Skills 3P	20	10	10	6
NES3401	Professional Development and Employability Skills for Chemists	10	10		6
NES3402	Advanced Organic Chemistry	20	10	10	6
NES3403	Advanced Inorganic Chemistry	20	10	10	6
NES3404	Physical and Computational Chemistry	20	10	10	6
NES3408	Advanced Structural Chemistry	10	10		6
NES3410	Analytical Chemistry in Practice	20		20	6

5. Assessment methods

Details of the assessment pattern for each module are explained in the module outline.

6. Degree classification

Candidates will be assessed for degree classification on the basis of all the modules taken at Stages 2 and 3 with the weighting of the stages being 1:2 for Stages 2 and 3 respectively.