

Programme Regulations: 2024/25

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 – UCAS Code F102

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 for F100 meets the requirements for the four-year degree MChem Honours in Chemistry (F103), they may transfer to that programme at any time before the start of Stage 3.
- (v) If a candidate for F102 meets the requirements for the four-year degree MChem Honours in Chemistry with Industrial Training (F106), they may transfer to that programme at any time before the beginning of the placement year.
- (vi) Programme transfers for Tier 4 students may be restricted by current Tier 4 rules. 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

(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 Chemists	10	10		4

- (ii) 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
NES1005	Natural Science Research Impact	10		10	4
NES1206	Climate Change and the Earth System	10	10		4
NES1407	Introduction to Scientific Computing for Chemists	10		10	4
NES1408	Fundamentals of Biological Chemistry	10		10	4

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

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

<i>Code</i>	<i>Descriptive title</i>	<i>Total Credits</i>	<i>Credits Sem 1</i>	<i>Credits Sem 2</i>	<i>Level</i>
NES1005	Natural Science Research Impact	10		10	4
NES1206	Climate Change and the Earth System	10	10		4
NES1407	Introduction to Scientific Computing for Chemists	10		10	4
NES1408	Fundamentals of Biological Chemistry	10		10	4

2. Stage 2

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

<i>Code</i>	<i>Descriptive title</i>	<i>Total Credits</i>	<i>Credits Sem 1</i>	<i>Credits Sem 2</i>	<i>Level</i>
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:

<i>Code</i>	<i>Descriptive title</i>	<i>Total Credits</i>	<i>Credits Sem 1</i>	<i>Credits Sem 2</i>	<i>Level</i>
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 F102

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

All intercalating students shall take the following compulsory module:

<i>Code</i>	<i>Descriptive title</i>	<i>Total Credits</i>	<i>Credits Sem 1</i>	<i>Credits Sem 2</i>	<i>Level</i>
NES3413	Intercalating Module for F102/F122	120	60	60	6

4. Stage 3

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

<i>Code</i>	<i>Descriptive title</i>	<i>Total Credits</i>	<i>Credits Sem 1</i>	<i>Credits Sem 2</i>	<i>Level</i>
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.