

## Programme Regulations 2025/26:

### Programme Titles:

**Degree of Bachelor of Science with Honours in Chemistry with Medicinal Chemistry – UCAS Code: F151**

**Degree of Bachelor of Science with Honours Chemistry with Medicinal Chemistry with Industrial Training – Internal Code: 1957U (For students who commenced study prior to September 2025 - UCAS Code: F122)**

**Degree of Bachelor of Science with Honours in Chemistry with Medicinal Chemistry with Study Abroad – Internal Code: 1958U (For students who commenced study prior to September 2025 - UCAS Code: F155)**

### 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 Medicinal 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

(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> |
|-------------|--------------------------------------|----------------------|----------------------|----------------------|--------------|
| 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            |

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

(i) All candidates 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> |
|-------------|---------------------------------|----------------------|----------------------|----------------------|--------------|
| NES1405     | Mathematical Skills for Science | 10                   | 10                   |                      | 4            |

(c) **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:

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

| <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            |
| NES2405     | Medicinal Chemistry          | 10                   |                      | 10                   | 5            |

- (b) All candidates shall take 10 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> |
|-------------|---|----------------------|----------------------|----------------------|--------------|
| NES2407     | Applied Computational Medicinal Chemistry | 10                   |                      | 10                   | 5            |
| NES2408     | Chemistry of the Atmosphere               | 10                   |                      | 10                   | 5            |

**3. Intercalating Year for 1957U, 1958U (F122 and F155 for students who commenced study 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 Medicinal Chemistry with Industrial Training** shall spend one year in a placement approved by the Degree Programme Director.

All candidates 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 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** shall spend one year in a host institution approved by the Degree Programme Director.

All candidates 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> |
|-------------|--------------------------------------|----------------------|----------------------|----------------------|--------------|
| NES3414     | Intercalating Module for year abroad | 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> |
|-------------|--|----------------------|----------------------|----------------------|--------------|
| 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            |
| NES3405     | Advanced Medicinal Chemistry                                   | 20                   | 10                   | 10                   | 6            |
| NES3408     | Advanced Structural Chemistry                                  | 10                   | 10                   |                      | 6            |
| NES3409     | Chemistry Laboratory Skills 3M                                 | 20                   | 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.