

Programme Regulations: 2022/23

Programme Titles:

Degree of Master of Engineering in Chemical Engineering with Honours in Industry – UCAS Code: H815

(Foundation Year – UCAS Code: H816)

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) *Unless otherwise stated under 'Type', modules are not core.*
- (iv) *A compulsory module is a module which a student is required to study.*
- (v) *A core module is a module which a student must pass, and in which a fail mark may neither be carried nor compensated; such modules are designated by the board of studies as essential for progression to a further stage of the programme or for study in a further module.*
- (vi) *All modules are delivered in Linear mode unless stated otherwise as Block, eLearning or distance learning.*
- (vii) *If a candidate meets the requirements for the three-year Bachelor of Engineering degree Chemical Engineering (H810) they may transfer to that programme at any time before the start of Stage 3.*
- (viii) *Programme transfers for Tier 4 students may be restricted by current Tier 4 rules. Please refer to the Visa Team for advice.*

See also:

Stage 0 (Foundation Year) for all Degrees of Bachelor of Engineering with Honours and Master of Engineering with Honours.

1. Stage 0

Candidates who do not meet the requirements for entry into Stage 1 may with approval of the Degree Programme Director commence this degree programme at Stage 0 and shall proceed under the regulations relating to Stage 0.

2. Stage 1

All candidates shall take the following compulsory modules:

Code	Descriptive title	Total Credits	Credits Sem 1	Credits Sem 2	Level
CME1020	Chemistry	25	13	12	4
CME1021	Thermodynamics	10	10		4
CME1023	Transfer Processes	25	13	12	4
CME1025	Principles of Chemical Engineering	25	15	10	4
CME1026	Computing and Numerical Methods	10	5	5	4
CME1027	Data Analysis in Process Industries	5		5	4
ENG1001	Engineering Mathematics I	20	10	10	4

3. 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>
CME2022	Separation Processes 1	20		20	5
CME2023	Transfer Processes 2	20	20		5
CME2024	Reactor Engineering	10	10		5
CME2027	Process Development Science and Analysis	10	10		5
CME2028	Thermodynamics 2	10	10		5
CME2029	Process Measurement, Dynamics and Control	10		10	5
CME2030	Chemical Engineering Laboratory I	10		10	5
CME2031	Safety, Risk and Engineering Practice	20		20	5
ENG2011	Engineering Mathematics II	10	10		5

(b) In order to progress on a Master of Engineering programme candidates must achieve an overall Stage 2 average of 65% and fail no module at the first attempt.

4. Stage 3

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>
CME3028	Industrial Design Project	50	25	25	6
CME3037	Separation Processes 2 (Industry)	15	15		6
CME3041	Placement Log Book	5		5	6
CME8110	Chemical Engineering Knowledge (Industry)	50	25	25	7

In order to progress on a Master of Engineering programme candidates must achieve an overall Stage 3 average of 60% and fail no module at the first attempt.

5. Year 4 (Placement Year Only)

On completion of Stage 3 and before entering Stage 4, candidates may as part of their studies for the degree spend a year in a placement with an approved organisation. Permission to undertake a placement is subject to the approval of the Degree Programme Director. Students who are required to re-sit their Stage 3 assessment must delay the start of their placement until they have done so. Students who fail Stage 3 may not complete a placement year.

<i>Code</i>	<i>Descriptive title</i>	<i>Total Credits</i>	<i>Credits Sem 1</i>	<i>Credits Sem 2</i>	<i>Level</i>
NCL3000	Careers Service Placement Year Module	120	60	60	6

6. Stage 4

(i) 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>	<i>Type</i>	<i>Mode</i>
CME3008	Process Control	10	10		6		
CME3034	Design Process for Safety	10	10		6		
CME3035	Reactor Systems Engineering	15	15		6		
CME8107	Process Intensification	10	10		7		Block
CME8117	MEng Research Project	55	5	50	7		
CME8120	Advanced Design Project	20	20		7	Core	Block

(ii) Depending upon the nature of the experience gained in Stage 3 Industry, some of the compulsory modules listed above may be inappropriate. In this case, replacement modules may be selected with the approval of the Degree Programme Director.

7. Compensation and Condonement

For students entering the programme in 2021/22 onwards, the Engineering Council's policy on compensation and condonement will apply to marks awarded for modules at all stages, to satisfy accreditation requirements. To be awarded an accredited honours degree, only a maximum of 30 credits can be compensated over the duration of the degree programme, where the final mark is up to 5 percentage points below the pass mark. Core modules cannot be compensated. Individual projects and group projects worth more than 20 credits cannot be compensated.

There is no condonement of modules delivering Accreditation of Higher Education Programmes (AHEP) learning outcomes.

Any student not satisfying the accreditation requirements, but satisfying the University's Degree and Assessment regulations, will have the opportunity to be awarded a non-accredited honours degree with its classification based on the overall final stage averages beyond stage one.

8. Assessment methods

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

9. Degree classification

The degree classification will be determined on the basis of all the modules taken at Stages 2, 3 and 4 with the weighting of the stages being 1:2:2 for Stage 2, Stage 3 and Stage 4 respectively