

Programme Regulations: 2021/2022

Programme Titles:

Degree of Bachelor Engineering with Honours in Civil Engineering - UCAS Code: H200 (with Foundation Year – UCAS Code: H201)

Degree of Bachelor Engineering with Honours in Civil Engineering with Year in Industry - UCAS Code: H205 (with Foundation Year – UCAS Code: H201)

Degree of Bachelor Engineering with Honours in Civil Engineering with Year in Industry - (Inverted Placement Year) Code: 1740U*

Degree of Bachelor Engineering with Honours in Civil & Structural Engineering - UCAS Code: H210 (with Foundation Year – UCAS Code: H201)

Degree of Bachelor Engineering with Honours in Civil & Structural Engineering with Year in Industry - UCAS Code: H206 (with Foundation Year – UCAS Code: H201)

Degree of Bachelor Engineering with Honours in Civil & Structural Engineering with Year in Industry - (Inverted Placement Year) - Code: 1741U *

Notes

- (i) *These programme regulations should be read in conjunction with the University's Taught Programme Regulations.*
- (ii) *Unless otherwise stated under 'Type', modules are not core.*
- (iii) *A compulsory module is a module which a student is required to study.*
- (iv) *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.*
- (v) *All modules are delivered in Linear mode unless stated otherwise as Block, e-learning or distance learning.*
- (vi) *Candidates with a Stage 2 average mark of at least 55% may transfer to the equivalent MEng programme.*
- (vii) *Programme transfers for Tier 4 students may be restricted by current Tier 4 rules. Please refer to the Visa Team for advice.*
- (viii) *Programme codes 1740U and 1741U is only available for students undertaking an approved inverted placement in the 2021/22 academic year as a result of the Covid-19 situation.*

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.

1. Stage 1

All candidates shall take the following compulsory modules:

Code	Descriptive title	Total Credits	Credits Sem 1	Credits Sem 2	Level	Type
ENG1001	Engineering Mathematics 1	20	10	10	4	Core
ENG1002	Sustainable Design, Creativity, and Professionalism	30	10	20	4	
ENG1003	Electric and Magnetic Systems	15		15	4	
ENG1004	Electronics and Sensors	10	10		4	
ENG1005	Thermofluids Mechanics	15	8	7	4	
ENG1006	Properties and Behaviour of Engineering Materials	15	15		4	
ENG1007	Mechanics I	15	5	10	4	

H205 and H206 Year in Industry Only: In order to progress the intercalating year candidates are required to obtain an overall pass of at least 50% at the end of Stage 1.

2. Stage 2

All candidates shall take the following compulsory modules:

Code	Descriptive title	Total Credits	Credits Sem 1	Credits Sem 2	Level	Type
CEG2004	Design of Sustainable Engineering Systems 2	20	10	10	5	Core
CEG2002	Statistics and Numerical Methods for Civil Engineers	10		10	5	
CEG2101	Treatment of Water and Wastewater	10		10	5	
ENG2016	Geotechnics	10	10		5	Core
ENG2015	Mechanics II	20	10	10	5	Core
ENG2018	Design of Building Elements	10	10		5	Core
CEG2102	Environmental System and Quantification	10	10			
CEG2401	Land Traffic and Highways	10	10		5	
ENG2017	Hydraulics	10		10	5	
ENG2019	Engineering Surveying	10		10	5	

3. Intercalating Year – H205/H206 only

(a) Upon successful completion of Stage 2 (with an overall pass threshold of 50% at the end of Stage 1) and before entering Stage 3, candidates shall spend the equivalent of one academic year in an approved placement. If a candidate is not successful in securing an approved placement, or fails the assessment of the placement year, then the candidate will be required to transfer to Stage 3 of the equivalent programme without Year in Industry.

(b) 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>	<i>Type</i>
NCL3000	Year in Industry	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>	<i>Type</i>
CEG3001	Design of Sustainable Engineering Systems 3	20	20		6	
CEG3002	Construction Management	10	10		6	
CEG3003	Engineering Ethics and Sustainability	10		10	6	
CEG3099	Individual Project	20		20	6	
CEG3203	Foundation Design	10	10		6	
CEG3305	Computational Engineering Analysis	20	10	10	6	

(b) All candidates for Bachelor Engineering with Honours shall follow one of the streams (i) to (ii) below, for which they are registered.

(i) Civil Engineering (H200/H205).

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>
CEG2721	Spatial Data Modelling and BIM	10	10		5	
CEG3401	Design of Transport Infrastructure	10		10	6	
CEG3503	Hydrosystems Engineering	10	10		6	

(ii) Civil and Structural Engineering (H210/H206).

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>
ARC3020	Introduction to Architecture	10		10	6	
CEG3301	Design of Building Systems	10	10		6	
CEG3302	Structural Analysis 2	10	10		6	

5. Assessment methods

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

For the purpose of professional accreditation, the University's Learning, Teaching and Student Experience Committee has approved a variation in Undergraduate Examination Conventions to the effect, to be awarded an accredited honours degree;

- the maximum number of credits that may be compensated over the degree programme is not to exceed 30.
- Core modules, Individual and group projects worth 20 credits or more cannot be compensated
- No modules in your final year can be condoned.

Any student not satisfying the accreditation requirements, but satisfying 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.

6. Degree classification

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