

Programme Regulations: 2023/24

Programme Titles:

Degree of Bachelor of Science with Honours in Geographic Information Science - UCAS Code: F862

Degree of Bachelor of Science with Honours in Geographic Information Science with Year in Industry – Code 1634U

Degree of Bachelor of Science with Honours in Geographic Information Science with Year in Industry – UCAS Code: F867*

Notes

- (i) *These programme regulations should be read in conjunction with the University's Undergraduate Progress Regulations and Examination Conventions.*
- (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- (vi) *Programme coded F867 is withdrawn from entry*.*

1. Stage 1

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

Code	Descriptive title	Total Credits	Credits Sem 1	Credits Sem 2	Level	Type
CEG1701	Residential Fieldcourse	20		20	4	Core
CEG1702	Geographic Information Systems (GIS)	10	10		4	Core
CEG1703	Surveying and Mapping	20	10	10	4	Core
CEG1705	Global Navigation Satellite Systems (GNSS)	10		10	4	
CEG1706	Earth Observation	10	10		4	
CEG1711	Geospatial Study Skills	10	10		4	Core
CEG1713	Data Science	10		10	4	
CEG1716	Quantitative Geospatial Analysis	30	20	10	5	

Students wishing to take a Year in Industry: In order to progress to 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
CEG2700	Professional Practice	10	10		5	
CEG2703	Geospatial Data Analysis	10	10		5	
CEG2704	GIS Methods and Applications	10		10	5	
CEG2707	Map Projections	10		10	5	
CEG2709*	Satellite Earth Observation	10		10	5	
CEG2720	Geospatial Research and Industry	10	5	5	5	
CEG2722	Data Visualisation and Analysis	10		10	5	

CEG2723	Digital Field Surveying	20	20		5	
CEG2726#	3D Reality Capture	20		20	5	
CSC1033	Foundations of Data Science	20	10	10	4	
LAW2053*	Law and Land Use	10	10		6	

(i) Modules marked * will be given in 2024/25 and are expected to be available every second year thereafter; modules marked # will be given in 2023/24 and are expected to be available in alternate years thereafter.

3. Intercalating Year (1634U / F867 Only)

Upon successful completion of Stage 2 (with an overall pass of at least 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 remain on Stage 3 of F862.

Code	Descriptive title	Total Credits	Credits Sem 1	Credits Sem 2	Level	Type
NCL3000	Career Service Placement Year	120	60	60	6	

4. Stage 3

(a) Geographic Information Science (F862)

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

Code	Descriptive title	Total Credits	Credits Sem 1	Credits Sem 2	Level	Type
CEG2709*	Satellite Earth Observation	10		10	5	
CEG2726#	3D Reality Capture	20		20	5	
CEG3701	Residential GIS Fieldcourse	20	20		6	
CEG3707	Geohazards and Deformation of the Earth	10	10		6	
CEG3718	BIM and City Modelling	10	10		6	
CEG3719	Geospatial Data, Analytics and AI	20	10	10	6	
CEG3799	Individual Research Project	30	10	20	6	
CSC3833	Data Visualization and Visual Analytics	10	10		6	
LAW2053*	Law and Land Use	10	10		6	

Modules marked * will be given in 2024-25 and are expected to be available every second year thereafter; modules marked # will be given in 2023-24 and are expected to be available in alternate years thereafter.

(b) Geographic Information Science with Year in Industry (1634U / F867)

(i) All candidates shall take the following compulsory modules

Code	Descriptive title	Total Credits	Credits Sem 1	Credits Sem 2	Level	Type
CEG3701	Residential GIS Fieldcourse	20	20		6	
CEG3707	Geohazards and Deformation of the Earth	10	10		6	
CEG3718	BIM and City Modelling	10	10		6	
CEG3719	Geospatial Data, Analytics and AI	20	10	10	6	

CEG3799	Individual Research Project	30	10	20	6	
LAW2053	Law and Land Use	10	10		6	

- (a) All candidates shall select 20 credits of optional modules normally selected from the following (subject to DPD approval ensuring sufficient level 6 modules are selected and timetabling)

Code	Descriptive title	Total Credits	Credits Sem 1	Credits Sem 2	Level
CEG2101	Treatment of Waste Water	10		10	5
CEG3003	Engineering Ethics and Sustainability	10		10	6
CEG3607	Subsurface Investigations	10		10	6
ENG2017	Hydraulics	10		10	5

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 1:1 for Stage 2 and Stage 3 respectively.