

Programme Regulations: 2021/2022

Programme Title: MSc Smart Systems Engineering

Code: 5396F/P

Notes

- (i) *These programme regulations should be read in conjunction with the University's Taught Programme Regulations.*
- (ii) *A core module is a module which a student must pass.*
- (iii) *A compulsory module is a module which a student must take.*
- (iv) *All modules are delivered in Linear mode unless stated otherwise as Block, eLearning or distance learning.*
- (v) *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*

1. Programme Structure

- (a) The programmes are available for study in both full-time and part-time modes.
- (b) The period of study for full-time mode shall be 1 year starting in September. The period of study for part-time mode shall normally be 2 years starting in September.
- (c) The Masters programme comprises modules to a credit value of 180.
- (d) All candidates shall take the following compulsory modules:

Code	Descriptive title	Total Credits	Credits Sem 1	Credits Sem 2	Credits Sem 3	Level	Type	Mode
CEG8422	Intelligent Transport Systems	10	10			7		Block
CEG8431	Technologies for Future Mobility	10		10		7		Block
CEG8705	Geographic Information Systems	10		10		7		Block
CSC8112	Internet of Things	10	10			7		Block
CSC8202	Information Security and Trust	10	10			7		Block
CSC8207	Security Analysis of Complex Systems	10		10		7		Block
CSC8621	Computing Foundations of Data Science	10	10			7		Block
CSC8701	Model-Based Systems Engineering	10	10			7		Block
CSC8702	Group Project and Research in Smart Systems	20		20		7		Block
CSC8704	Advanced Topics in Smart Systems	10		10		7		Block
CSC8799	Project and Dissertation in Smart Systems	60			60	7		Block
SPG8014	Introduction to Hydro, Wind, Wave and Tidal Energy	10	10			7		Block

2. Assessment methods

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

3. Other

Progression within the MSc in Smart Systems Engineering

The MSc consists of assessed components:

Component 1: Ten 10-credit modules, one 20-credit group project and research module.

Component 2: 60-credit individual project with dissertation module.

In order to be permitted to start Component 2 a candidate must:

- obtain a weighted average mark for Component 1 of at least 50,
- and have failed no more than 20 credits.

Award of the MSc degree in Smart Systems Engineering

To obtain the MSc degree, candidates must satisfy the examiners in both assessed components as follows.

- A student will be recommended for the award of MSc with Distinction if they have achieved a pass mark in 180 credits with a weighted average mark across all 180 credits of at least 70 and have a Component 2 mark of at least 70.
- A student will be recommended for the award of MSc with Merit if they have achieved a pass mark in 180 credits with a weighted average mark across all 180 credits of at least 60 and have a Component 2 mark of at least 60.
- A student will be recommended for the award of MSc if they have achieved a pass mark in at least 160 credits with a weighted average mark across all 180 credits of at least 50.