

## Programme Regulations: 2023/24

### Programme Title: Degree of Master of Science in Cyber Security - Code: 5144 F/P

#### Notes:

- (i) These programme regulations should be read in conjunction with the University's Taught Programme Regulations.
- (ii) A compulsory module is a module which a student must take.
- (iii) A core module is a module a student must pass.
- (iv) A core module for PSRB accreditation is a module a student is required to obtain accreditation.
- (v) All modules are delivered in Linear mode unless stated otherwise as Block, eLearning or distance learning.
- (vi) 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 programme is 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 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	Core for PSRB Accreditation	Core for Outcomes	Mode
CSC8202	Information Security and Cryptography	10	10			7	Core	Core	Block
CSC8204	Secure Software Development	10	10			7	Core	Core	Block
CSC8207	Security of Complex Systems	10		10		7	Core	Core	Block
CSC8208	Research Methods and Group Project in Security and Resilience	20		20		7	Core	Core	Block
CSC8209	Project and Dissertation in Cyber Security	60			60	7	Core	Core	
CSC8213	Advanced Topics in Cyber Security	10		10		7	Core	Core	
CSC8214	Systems Security	20	20			7	Core	Core	Block
CSC8215	Network Security and Ethical Hacking	20		20		7	Core	Core	Block
CSC8216	Risk & Trust Management	10	10			7	Core	Core	Block

**(b) All candidates shall select a further 10 credits of optional modules from the table below.**

<i>Code</i>	<i>Descriptive title</i>	<i>Total Credits</i>	<i>Credits Sem 1</i>	<i>Credits Sem 2</i>	<i>Credits Sem 3</i>	<i>Level</i>	<i>Core for PSRB Accreditation</i>	<i>Core for Outcomes</i>	<i>Mode</i>
CSC8110	Cloud Computing	10	10			7			Block
CSC8635	Machine Learning with Project	10	10			7			Block

## **2. Assessment methods**

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

## **3. Other**

This programme is designed to produce graduates who will be expected to be equally capable in theoretical and practical aspects of their subject and it is essential that only students of equally high calibre in both aspects of the programme are eligible for merit and distinction awards. Therefore, the regulations are as follows:

### *Course Requirements*

A number of areas in which specific regulations have been defined for this programme, and approved by the Faculty Education Committee, are documented below, and in these areas these provisions take precedence over other University regulations.

### *Progression within the MSc degree in Cyber Security*

Three assessed components comprise the MSc degree in Cyber Security:

- Component 1: Six 10-credit modules, three 20 credits modules, in Semester 1 and 2
- Component 2: 60-credit individual project with dissertation module, in Semester 3

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,
- and have not failed any core module.

### *Award of the MSc degree in Cyber Security*

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.