APPROVED

Programme Code	MSCCYB	**Programme Duration**	1

Programme Level	9	**EQF Level**	7	**EHEA Level**	Second Cycle

Programme Credits	90

Semester Duration	12 Week(s)
Language of Instruction	English
CAO Code; QQI Progamme Code etc	Code
Programme Extra Information	Note 1: A student must pass Research in Computing and not repeat more than 10 ECTS credits to be eligible to register for the Internship Note 2: Learners must complete and pass Internship. Below is the indicative full-time schedule for this course. Please note, the part-time schedule is run over a longer period of time. Further details of this schedule can be found in our part-time prospectus.

Programme Outcomes

On successful completion of this programme the learner will be able to :

Description
Critically assess and evaluate ethical, legal, privacy, sustainable, and governance issues associated with the management of data assets in the cybersecurity domain.
Communicate effectively complex and advanced cybersecurity concepts to a range of audiences in both written and verbal media.
Apply advanced security knowledge and utilise practical skills and technologies to design and implement cybersecurity solutions that address business and technical problems.
Make decisions and address security requirements through analytical thinking, communication, and interaction.
Analyse, identify, and document measures to address vulnerabilities, risks, weaknesses, and other safety aspects within a given cybersecurity context.
Identify knowledge gaps and undertake self-learning to acquire new knowledge and meet the requirements of the rapidly developing and expanding cybersecurity industry.
Conduct independent research in the cybersecurity area and formulate and implement novel ideas by applying the latest research methodologies and industry practices.

Semester Schedules

Stage 1 / Semester 1

Core Subject	
Module Code	**Title**
H9DGC	Data Governance, Ethics, and Sustainability

H9NSPT	Network Security and Penetration Testing

H9SFND	Security Fundamentals

Group Elective 1	
Module Code	**Title**
H9FRED	Forensics and eDiscovery

H9SWD	Secure Web Development

Stage 1 / Semester 2

Core Subject	
Module Code	**Title**
H9AIMLC	AI/ML in Cybersecurity

H9CAS2	Cloud Architectures and Security

H9CB	Cryptography and Blockchain

Group Elective 2	
Module Code	**Title**
H9INTERN	Internship

H9MWAN	Malware Analysis

H9PRAC	Practicum

H9SAD	Secure Application Development

Stage 1 / Semester 3

Core Subject	
Module Code	**Title**
H9BRIM	Business Resilience and Incident Management

Group Elective 3	
Module Code	**Title**
H9INTERN	Internship

H9PRAC	Practicum