

APPROVED

Programme Code	MSCCLOUD	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		
Field of Study	0613 - Software and applications development and analysis		
Supplementary Field of Study	Information and Communication Technologies (ICTs) not further defined or elsewhe		
CAO Code; QQI Programme Code etc	Code		

Programme Outcomes

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

Description
Conduct independent research and analysis in the field of Cloud Computing.
Formulate and implement a novel research idea using the latest industry practices.
Demonstrate expert knowledge of application development, systems programming, parallel and distributed computing, and the tools, techniques and technologies of Cloud Computing utilised in both technical and business contexts.
Critically assess, evaluate and communicate business and technical strategies for Cloud Computing.
Develop and implement effective business and technical solutions for Cloud Computing.
Critically assess and evaluate security, privacy, and ethical issues associated with the storage, transfer, and processing of data on private and public cloud infrastructures.

Semester Schedules

Stage 1 / Semester 1

Core Subject	
Module Code	Title
H9CLAR	Cloud Architectures
H9CDOS	Cloud DevOpsSec

H9CPP	Cloud Platform Programming
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Group Elective 1	
Module Code	Title
H9INN1	Innovation I

Group Elective 2	
Module Code	Title
H9BCC	Blockchain Concepts and Technologies

Stage 1 / Semester 2

Core Subject	
Module Code	Title
H9FEC	Fog and Edge Computing

H9RCOMP	Research In Computing
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H9SCP	Scalable Cloud Programming
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Group Elective 1	
Module Code	Title
H9INN2	Innovation II

Group Elective 2	
Module Code	Title
H9CML	Cloud Machine Learning

H9QC	Quantum Computing
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Stage 1 / Semester 3

Core Subject	
Module Code	Title
H9DGCE	Data Governance, Compliance and Ethics

H9RPROJ	Research Project
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