

# APPROVED

Programme Code	MSCCLOUD	Programme Duration	1
Programme Level	9	EQF Level	7
Programme Credits	90	EHEA Level	Second Cycle
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	<a href="#">Cloud Architectures</a>
H9CDOS	<a href="#">Cloud DevOpsSec</a>

H9CPP	<a href="#">Cloud Platform Programming</a>
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Group Elective 1	
Module Code	Title
H9INN1	<a href="#">Innovation I</a>

Group Elective 2	
Module Code	Title
H9BCC	<a href="#">Blockchain Concepts and Technologies</a>

### Stage 1 / Semester 2

Core Subject	
Module Code	Title
H9FEC	<a href="#">Fog and Edge Computing</a>

H9RCOMP	<a href="#">Research In Computing</a>
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H9SCP	<a href="#">Scalable Cloud Programming</a>
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Group Elective 1	
Module Code	Title
H9INN2	<a href="#">Innovation II</a>

Group Elective 2	
Module Code	Title
H9CML	<a href="#">Cloud Machine Learning</a>

H9QC	<a href="#">Quantum Computing</a>
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### Stage 1 / Semester 3

Core Subject	
Module Code	Title
H9DGCE	<a href="#">Data Governance, Compliance and Ethics</a>

H9RPROJ	<a href="#">Research Project</a>
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