

APPROVED

Programme Code	MSCAI	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 Programme Code etc	Code PG24671				

Programme Outcomes

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

Description
Demonstrate expert knowledge of Engineering Artificial Intelligence systems, Machine Learning, Optimisation Techniques, and the tools, techniques and technologies of Artificial Intelligence utilised in real world contexts.
Formulate, design, implement, and evaluate novel real-world solutions at the forefront of Artificial Intelligence using the latest industry practices and standards.
Select, assess, and apply advanced and emerging Artificial Intelligence techniques and tools to enhance decision making.
Synthesise and communicate technical Artificial Intelligence solutions.
Critically assess and evaluate ethical, sustainable, and responsible issues associated with the development and deployment of Artificial Intelligence systems.
Conduct independent research in the field of Artificial Intelligence.

Semester Schedules

Stage 1 / Semester 1

Core Subject	
Module Code	Title
H9DAI	Data Analytics for Artificial Intelligence
H9DGAE	Data Governance and Ethics
H9FAI	Foundations of Artificial Intelligence
H9PAI	Programming for Artificial Intelligence

H9PAI	Programming for Artificial Intelligence
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Stage 1 / Semester 2

Core Subject	
Module Code	Title
H9AIDM	AI Driven Decision Making

H9EEAI	Engineering and Evaluating Artificial Intelligence Systems
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H9IAPI	Intelligent Agents and Process Automation
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H9MLAI	Machine Learning
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Optional	
Module Code	Title
H9INTERN	Internship

H9PRAC	Practicum
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Stage 1 / Semester 3

Core Subject	
Module Code	Title
H9ETS	Emerging Artificial Intelligence Technologies and Sustainability

Optional	
Module Code	Title
H9INTERN	Internship

H9PRAC	Practicum
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