

# APPROVED

Programme Code	MSCAI	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		
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	<a href="#">Data Analytics for Artificial Intelligence</a>
	H9DGAE	<a href="#">Data Governance and Ethics</a>
	H9FAI	<a href="#">Foundations of Artificial Intelligence</a>
	H9PAI	<a href="#">Programming for Artificial Intelligence</a>

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### Stage 1 / Semester 2

Core Subject	
Module Code	Title
H9AIDM	<a href="#">AI Driven Decision Making</a>

H9EEAI	<a href="#">Engineering and Evaluating Artificial Intelligence Systems</a>
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H9IAPI	<a href="#">Intelligent Agents and Process Automation</a>
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H9MLAI	<a href="#">Machine Learning</a>
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Optional	
Module Code	Title
H9INTERN	<a href="#">Internship</a>

H9PRAC	<a href="#">Practicum</a>
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### Stage 1 / Semester 3

Core Subject	
Module Code	Title
H9ETS	<a href="#">Emerging Artificial Intelligence Technologies and Sustainability</a>

Optional	
Module Code	Title
H9INTERN	<a href="#">Internship</a>

H9PRAC	<a href="#">Practicum</a>
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