



Master of Science (M.Sc.) Artificial Intelligence

MQF/EQF Level 7 | 90 ECTS

Course Description

Whilst the term Artificial Intelligence (AI) has been heard of numerous times, there is a common lack of understanding across various industries around the world. This occurs even though there are multiple avenues in which AI can revolutionise how data is integrated to provide insights enabling well founded decisions.

The main objective of this programme is to equip managers, decision-makers, solution designers and planners to better understand use cases where AI can be applied, to analyse the need for AI tools in their scenarios, to select the right tools and techniques and effectively use them to solve tasks at hand. Furthermore, students will be able to develop a career as an AI consultant, advising organisations how to explore the potential of a continuously improving concept such as AI in order to effectively meet their business interests.

Target Audience

This course is targeted at:

- Industry professionals operating across different industries. E.g.: Information Technology, Engineering, Science, Finance, Banking, Gaming, Pharmaceutical, Retail, Blockchain and Administration.
- Recent Graduates in e.g.: Computer Science, Technology, Marketing, Finance or Economics.
- Mid-career-break professionals seeking opportunities to better or change their career path.

Course Duration: Part-time basis (up to 30 months)

Accredited qualification recognised worldwide

Entry Requirements

Candidates who apply for this course must be in possession of at least one of the following :

- A degree at MQF Level 6 related to AI, Computer Science, Mathematics or Electronics.
- A degree at MQF Level 6 in any other field and a minimum of two years' worth of relevant work experience.
- A Diploma at MQF Level 5 or Higher Diploma and five years' relevant work experience.

Method of Delivery

Lectures | Discussions | Online Learning | Tutorials | Case Studies

6 lectures per module (1 lecture per week)

3-hour lectures (evening)

12 hours of online content (per module): asynchronous online discussions as assignments, tutorials or videos.

Method of assessment: assignment based

Programme Outline

Module Title	Compulsory or Elective	ECTS
1. Introduction to Artificial Intelligence and Data Science	Compulsory	6 ECTS
2. Artificial Intelligence and Professional Ethics	Compulsory	6 ECTS
3. Logical Thinking and Programming with Python and Group Project	Compulsory	6 ECTS
4. Maths For Artificial Intelligence	Compulsory	6 ECTS
5. Algorithms	Compulsory	6 ECTS
6. Business Analytics	Compulsory	6 ECTS
7. Research Methods and Advanced Research Topics In Artificial Intelligence	Compulsory	6 ECTS
8. Machine Learning *	Elective	6 ECTS
9. Knowledge Acquisition, Representation and Management *	Elective	6 ECTS
10. Decision Support Systems and Expert Systems *	Elective	6 ECTS
11. Probabilistic Modelling & Reasoning and Big Data Analytics *	Elective	6 ECTS
12. Medical and Health Informatics *	Elective	6 ECTS
Dissertation	Compulsory	30 ECTS

* Students need to choose three (3) of the elective modules

Cost

Reading the entire Master of Science (M.Sc.) Artificial Intelligence as presented in this promotional brochure costs € 10,500. **

Upon successfully completing the course, students will be eligible to up to 70% rebate through the Get Qualified Scheme.***

Due to the modular structure of the course, students may opt to read individual modules (the entry requirements still apply). The cost of reading one module is € 1,050. **

** Prices are applicable to students who already reside in Malta at the time of the application

*** Terms and conditions apply

DISCLAIMER: The material for this brochure was created for marketing purposes. We always recommend that a one-to-one meeting is set with the Registrar of the Institute.