

獎學金 Scholarship

- 澳門大學理工科課程獎學金
STEM Scholarship

詳情請到研究生院網站了解:
For details, please visit the website of Graduate School or scan below QR code:
<https://grs.um.edu.mo/index.php/stem-scholarship/>



- 澳門大學研究助理及教學助理
Research Assistantships & Teaching Assistantships

詳情請到研究生院網站了解:
For details, please visit the website of Graduate School or scan below QR code:
<https://grs.um.edu.mo/index.php/prospective-students/assistantship/>



入學章程 Admission Guideline

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澳門大學
UNIVERSIDADE DE MACAU
UNIVERSITY OF MACAU



科技學院
Faculdade de Ciências e Tecnologia
Faculty of Science and Technology



FST website



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Produced by Faculty of Science and Technology, University of Macau
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澳門大學
UNIVERSIDADE DE MACAU
UNIVERSITY OF MACAU



科技學院
Faculdade de Ciências e Tecnologia
Faculty of Science and Technology

澳門大學科技學院 理學碩士學位 - 人工智能

Master of Science in Artificial Intelligence



人工智能

Artificial Intelligence



數學及統計學

Mathematics and Statistics



電腦科學

Computer Science



機器學習

Machine Learning

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University of Macau

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課程目標 Programme Aims

課程的目的是使學生能掌握當前和發展中的計算機技術，特別是與人工智能的發展和使用有關的技能。使學生能具備識別、開發、創造、運用分析數據解決問題的研究能力；提升工作中所需要的開發應用技能，培養自主學習能力；幫助學生有系統地理解和深入研究分析問題的能力，在遵循倫理原則的情況下作出回應及提供知識佐證，以處理因行業新興需求而可能出現的未知情況。課程將提供一個滿足職業發展、創新和持續進修的綜合平台。

The programme aims to enable students to develop mastery of current and developing computer technologies especially skills related to the development and use of Artificial Intelligence (AI). Students are able to identify, develop and apply detailed analytical, creative, problem solving and research skills; facilitate the development of applied skills that are directly complementary and relevant to the workplace; identify and develop autonomous learning skills for the learners; develop a deep and systematic understanding of current issues of research and analysis; respond ethically and informatively to address any unseen situations that may arise due to the emerging needs of industry. The Programme will provide students with a comprehensive platform for career development, innovation and further study.

課程架構 Programme Curriculum

1. 開辦學年：2023/2024
2. 修讀學分：30學分
3. 修讀年期：2年
4. 教學語言：英語
5. 畢業要求：學生必須完成修讀所要求的學科，並完成“項目報告”。

1. Programme to be offered in academic year: 2023/2024
2. Total programme Credits: 30
3. Duration of Study: 2 years
4. Medium of Instruction: English
5. Graduation Requirements: Students must complete the required courses and “Project Report”.

必修及選修科目 Compulsory and Elective Courses

學生必須完成修讀8門學科單元/科目(其中3門為必修科，另外5門為選修科)及“項目報告”。

Students are required to complete a total of 8 courses (3 compulsory courses, 5 required elective courses) and “Project Report”.

Courses 學科單元/科目	Type 種類	Credits 學分
Introduction to Deep Learning 深度學習導論	Compulsory 必修科	3
Advanced Machine Learning 高級機器學習		3
Mathematics for Artificial Intelligence 人工智能基礎數學		3
Cloud and Distributed Systems 雲計算及分佈式系統	Required Elective 選修科	3
Introduction to Mobile Robotics 移動機械人導論		3
Special Topics in Artificial Intelligence 人工智能專題		3
Applied Natural Language Processing 應用自然語言處理		3
Web Mining 萬維網數據挖掘		3
Big Data Processing and Analysis 大數據處理與分析		3
Computer Vision and Pattern Recognition 計算機視覺和模式識別		3
Principles of Artificial Intelligence 人工智能原理	3	
Total/學分		24
Project Report 項目報告	Compulsory 必修科	6
Grand Total/總學分		30

入學資格 Admission Requirements

1. 須具有學士學位或澳大認可的同等學歷。
2. 申請人學士學位畢業總平均分達到相等於*C+或以上成績;
*相等於4分制GPA之2.3分，20分制之14分或100分制之70分。
3. 申請人必需符合澳大之基本入學英語水平。

1. Applicants must possess a Bachelor's degree or academic background recognized as equivalent by the University of Macau.
2. Applicants should have achieved the equivalent* of an overall result of Grade C+ or better in the Bachelor's degree studies. * The equivalent means 2.3 on the 4.0 GPA scale, 14 on the 20-point scale or 70 out of 100.
3. Applicants must also meet the English proficiency requirement of the University.

申請及學費 Application & Tuition Fee

申請人可透過澳門大學研究生院網站或掃描以下二維碼提交申請：
<https://grs.um.edu.mo/>

Prospective applicant can submit applications through the website of the Graduate School of the University of Macau or by scanning the QR code below:



碩士課程最新學費：
<https://grs.um.edu.mo/index.php/current-students/tuition-fee/>

The latest tuition fees for master programmes:
<https://grs.um.edu.mo/index.php/current-students/tuition-fee/>

