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- 澳門大學理工科課程獎學金
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- 澳門大學研究助理及教學助理
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For details, please visit the website of Graduate School or scan below QR code:
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入學章程 Admission Guideline

詳情請到研究生院網站了解：
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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



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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- 機器人與自主系統

Master of Science in
Robotics and Autonomous
Systems



澳門首個機器人碩士課程

Macao's First Master
Programme in Robotics



培育產業專業人才

Cultivation of Talents
and Professionals



課程結合機器人學、機器學習、人工智慧和智慧體的前沿科技

Combination of Cutting-edge Technologies Including Robotics,
Machine Learning, AI and Intelligent Agents



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課程目標 Programme Aims

課程的目的旨在培養學生學習機器人與自主系統工程，包括高等機器人與控制、智慧理論與工程應用、工程系統預測與健康管理、移動機器人導論等。在競爭日益激烈的機器人與自主系統市場上，此碩士學位課程將為畢業生加強競爭力及增加就業優勢。

The programme is designed to train students to learn robotics and autonomous systems engineering including Advanced Robotics and Control, Intelligent Theory and Engineering Applications, Prognostics & Health Management of Engineering Systems, Introduction to Mobile Robotics, etc. It offers an advantage to its graduates in an increasingly competitive job market of robotics and autonomous systems.

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

學生必須取得30學分以完成修讀本課程，包括完成修讀右方表一中三門必修科，表二中四門選修科及表三的兩門選修學科。

Student is required to obtain 30 credits by taking 3 compulsory courses from Table 1, 4 required elective courses from Table 2 and 2 required elective courses from Table 3.

表一 Table 1

Courses	Type	Credits
Introduction to Mobile Robotics 移動機器人導論	Compulsory 必修科	3
Introduction to Sensors and Actuators 傳感器與執行器導論		3
Project Report 項目報告		6

表二 Table 2

Embedded System 嵌入式系統	Required Elective 選修科	3
Advanced Robotics and Control 高等機器人學及控制		3
Intelligent Theory and Engineering Applications 智慧理論與工程應用		3
Aerial Robotics 空中機器人		3
Special Topics in Robotics 機器人專題		3
Special Topics in Autonomous Systems 自主系統專題		3

表三 Table 3

Introduction to Data Science Programming 數據科學編程引論	Required Elective 選修科	3
Tools for Machine Learning 機器學習工具		3
Introduction to Internet of Things 物聯網導論		3
Prognostics and Health Management of Engineering Systems 工程系統預診斷與健康管理		3
總學分 Grand Total		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/>

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

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

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

