XIAMEN UNIVERSITY MALAYSIA
厦門大學馬來西亞分校

MASTER OF SCIENCE IN COMPUTER SCIENCE AND TECHNOLOGY

[N/0613/7/0029] 06/29 [MQA/PA 17215]

DURATION OF STUDY	INTAKE	MEDIUM OF INSTRUCTION / MODE	ANNUAL FEE
Full-time: Min 2 years, Max 3 years Part-time: Min 3 years, Max 5 years	The first week of every month throughout the year	English / Research	RM 16,000 (Local) RM 20,000* (International)

*Fees subject to 6% Sales & Service Tax (SST).

ABOUT THE PROGRAMME

Master of Science in Computer Science and Technology, offered by the School of Computing and Data Science (SCDS), is designed to equip students from diverse computing backgrounds with advanced knowledge in areas such as AI, cybersecurity, software technology, and more. The program emphasizes hands-on learning through practical projects, research, and collaboration with industry partners, preparing students for successful careers in academia and technology sectors. With access to experienced supervisors, cutting-edge labs, and opportunities to participate in international competitions and publish research, students are well-positioned to address real-world technological challenges and build their professional reputation. This programme covers advanced topics such as:

- Algorithms & Theory
- Artificial Intelligence (AI)
- Software Technology
- Databases
- Parallel Computing
- Networking and Distributed Systems
- Human-Computer Interaction (HCI)
- Digital Media Technology
- Computer Graphics
- Multimedia Information Retrieval
- Computer Security/Cyber Security
- System Security
- Network Security

Students gain hands-on experience through practical projects and research opportunities, enhancing their knowledge and employability. This equips them with the skills needed for successful careers in academia, industry, and technology-driven sectors.

Students also benefit from the guidance of experienced supervisors and access to state-of-the-art laboratories with the latest technology. The programme emphasizes collaboration with industry partners, allowing students to work on real-world projects addressing current technological challenges. Additionally, students are encouraged to participate in international competitions and publish their research in reputable journals and conferences, helping them gain recognition and establish their expertise in the field.

PROGRAMME HIGHLIGHTS

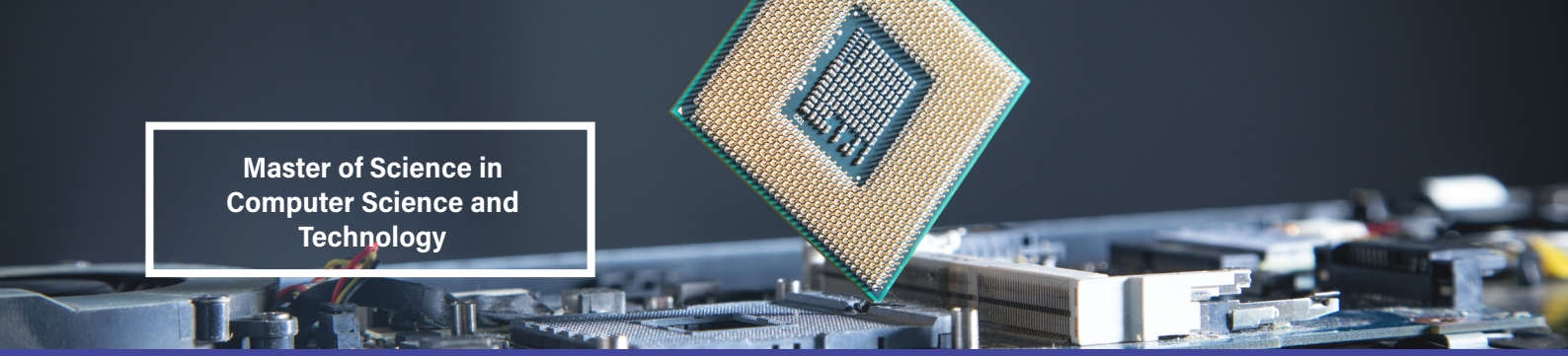
- Supervision and guidance from experienced faculty members.
- Emphasis on research and dissertation writing under the mentorship of dedicated supervisors.
- Access to advanced facilities and laboratories.
- Participation in seminars, workshops, and conferences to enhance academic and professional development.
- Preparation for diverse career paths in academia, industry, and research.

CAREER OPPORTUNITIES

Graduates of the programme have diverse career opportunities across industries such as research, academia, and technology-driven sectors. Potential roles include as follow:

- Data Scientist
- Machine Learning Engineer
- Cybersecurity Analyst
- Systems Architect
- Database Administrator
- Cloud Engineer
- AI Researcher
- IT Consultant
- DevOps Engineer
- Full-Stack Developer
- Product Manager
- Business Analyst
- Research Scientist
- IT Project Manager

They can pursue employment in private organisations, government sectors, academic institutions, and research facilities, among others.



Master of Science in Computer Science and Technology

ENTRY REQUIREMENTS

**For other equivalent qualifications, please consult our programme counsellor*

I. A Bachelor's degree (Level 6, MQF) in Computing or related fields with a minimum CGPA of 3.00 or equivalent, as accepted by the HEP Senate OR

II. A Bachelor's degree (Level 6, MQF) in Computing or related fields with a minimum CGPA of 2.00 and not meeting a CGPA of 3.00 can be accepted subject to a thorough rigorous assessment as determined by the HEP; OR

III. A Bachelor's degree (Level 6, MQF) in Non-Computing field with a minimum CGPA of 2.50 can be accepted subject to a thorough rigorous assessment as determined by the HEP to identify the appropriate prerequisite courses that equivalent to their working experience in the Computing or related fields; OR

IV. A Bachelor's degree (Level 6, MQF) in Non-Computing field with a minimum CGPA of 2.50 can be accepted subject to appropriate prerequisite courses; OR

V. Other qualifications equivalent to a Bachelor's degree (Level 6, MQF) in Computing or related fields recognised by the Government of Malaysia must fulfil the requirement on item I or II.

* Rigorous assessment can be done through interviews, portfolios, written tests, or any form of assessment. If the assessment fulfils the requirements, the candidates can be exempted from taking the prerequisite courses.

English Competency Requirement (International Student):

- Achieve a minimum score of 6.0 in the International English Language Testing System (IELTS) or equivalent.
- If a student does not meet this requirement, the HEP must offer English proficiency courses to ensure that the student's proficiency is sufficient to meet the needs of the programme.

LIST OF COURSES OFFERED

Main Courses

- Research Methodology
- Dissertation

Additional Requirement*

- Chinese 1
- Selected topics on China

*No additional tuition fees imposed.
Note:
- Students who obtained a Bachelor's or Master's degree in China can be exempted from Selected Topic on China.
- Students with a credit for Chinese course in previous result slips (UPSR/ SPM/O-Level/UEC/A-Level/Foundation/Matriculation/Diploma/HSK etc.) can be exempted from Chinese 1.

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