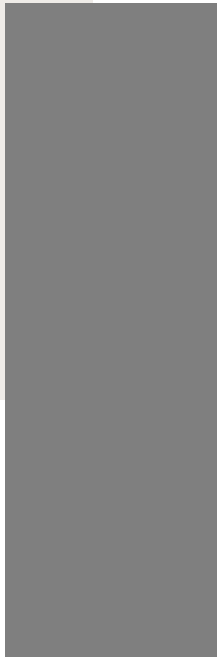# MASTER IN
COMPUTER SCIENCE

Community-Driven University For a Sustainable World

FACULTY OF COMPUTER SCIENCE
AND INFORMATION TECHNOLOGY

by coursework

**OCTOBER,
FEBRUARY & JUNE**
Intakes

INTRODUCTION

The demands of computer science specialists are inflated high as they support a wide range of industries including banking and finance, consumer electronics, entertainment telecommunication, manufacturing, precision farming and many more. Master of Computer Science is designed to equip students with skills and knowledges to keep up with the ever-changing advancement related to digital technologies. The programme will expose the students to important components like cyber security, data science, ICT infrastructures and advanced software engineering, the essential building blocks for supporting wide range of computer science application. The course contents cover in the programme are relevant and in-line with the needs to produce highly skilled workforce in the field related Computer Science. It is also suitable for candidates who plan to extend their academic qualification to next level. The programme is based on a trimester system; October, February and June in an academic year.

ENTRY REQUIREMENTS

- A Bachelor's Degree (Level 6, MQF) in Computing or related fields with a minimum CGPA of 2.50, as accepted by the HEP Senate; or
- A Bachelor's Degree (Level 6, MQF) in Computing or related fields or equivalent with a minimum CGPA of 2.00 can be accepted subject to a minimum of FIVE (5) years of working experience in the related fields and rigorous internal assessment; or
- Candidates without a qualification in the related fields or relevant working experience must undergo appropriate prerequisite courses as determined by the HEP and meet a minimum CGPA of 2.00 with a minimum of FIVE (5) years of working experience in the related fields, and rigorous internal assessment; or
- Other qualifications equivalent to a Bachelor's Degree (Level 6, MQF) in the field of Computing or related fields recognised by the Government of Malaysia must undergo appropriate prerequisite courses as determined by the HEP
- For international students, achieve a minimum score of 6.0 in the International English Language Testing System (IELTS) or equivalent (e.g., Malaysian University English Test (MUET) with Band 4; Test of English as a Foreign Language Internet-Based-Test (TOEFL IBT) with score 60-78; Test of English as a Foreign Language Paper-Based-Test (TOEFL PBT) with score 530-545; Common European Framework of Reference (CEFR) for Languages with level B2)
- 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.

ALTERNATIVE OPTION FOR ADMISSION

APEL. A for Access
- APEL.A is applicable to local and international applicants who do not meet the regular entry requirements imposed by academic programmes at any MQF level
- Applicants applying for entry via the APEL.A must meet the minimum age requirements stipulated for the various level of qualifications
- Applicants must fulfil the minimum formal qualifications stipulated, for Master's and Doctorate level
- Applicants applying for entry via the APEL.A must have prior experiential learning

POTENTIAL APPLICANTS

- IT Practitioners
- IT Administrators
- Academicians
- Fresh graduates

DURATION OF PROGRAMME

Full Time **1-2 years**	Part Time **2-4 years**

COURSE FEES

Full Time:
Malaysian student **RM18,966.00**
International student **RM26,900.00**

Part Time:
Malaysian Student **RM19,312.00**

Fees include administrative, tuition and course materials for the duration of the programme. Further payment will be required if the students extend their studies.

PROGRAMME SCHEDULE

The programme requires students to accumulate 40 credit hours in their studies. All teaching and learning activities are conducted during the weekends (Saturday & Sunday) for both mode of study (full time & part time).

FACILITIES & RESOURCES

- Perpustakaan Tun Abdul Rahman Ya'kub (PeTARY)
- Computing Facilities
- Online Learning Support
- Resources Rooms

PROGRAMME STRUCTURE

Semester 1	3 core courses + 1 elective course
Semester 2	2 core courses + 1 elective course
Semester 3	1 core courses + 1 project course

Core Courses

TMF6093   Research Methodology
TMF6044   ICT Infrastructures
TMQ6014   Cyber Security
TMV6014   Advanced Database
TMV6024   Advanced Software Engineering
TMV6044   Data Science

Specialisation Elective Courses

TMS6044   Project Management
TMS6084   Digital Economy
TMS6074   Quantitative Analysis for Business Decisions
TMS6054   Mobile Computing
TMS6034   Cloud Computing
TMS6094   Information Retrieval
TMS6024   Image Processing and Analysis
TMS6104   Information Technology Strategy and Governance
TMS6014   Data Visualisation

Project Course

TMV6069   Computer Science Project

FAST TRACK OPTION

APEL.C for Credit Transfer
Qualified individuals with relevant prior learning experiences could take APEL. C assessments (Portfolio/Challenge Test) for credit transfer in APEL Assessment Centre, UNIMAS.

CONTACT US

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For General Inquiries

Centre for Graduate Studies
Universiti Malaysia Sarawak (UNIMAS)
94300 Kota Samarahan, Sarawak, Malaysia.
Website: http://www.postgrad.unimas.my
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UNIMAS Business School
Level 4, UNIMAS City Campus
Lot 77, Section 22, KTLD
Jalan Tun Ahmad Zaidi Adruce
93150 Kuching, Sarawak, Malaysia.
Website: https://www.business.unimas.my
Phone: +6082-222111
Email: ubs@unimas.my

APPLICATION PROCEDURE

Application must be submitted online at
https://oas.ia.unimas.my
Application is open throughout the year.