

PROGRAMME DESCRIPTION

The Master of Computer Science (MCS) degree is a terminal, professional degree that helps to build a technical career in the computer industry. The programme provides students with the fundamental knowledge and an in-depth understanding of computer information systems, computer programming languages, Internet programming languages, software engineering, computer database applications, computer network, e-commerce and artificial intelligence. Our highly qualified lecturer introduces the students to the techniques and concepts related to application, design as well as programming of computing systems. It is thus intended for those, who are willing to pursue a career in this field or students can also opt for advance research studies upon the completion of this program.

PROGRAMME AIM

The objective of this programme is to provide a broad education in Computer Science with the opportunity of deepening and specializing within the area of computer science, students learn the methods of constructing a computer programme including theoretical foundations as well as the practical ability to develop products and systems which include computers and software. Thus we aim to prepare Computer Science graduates, who will be professionally as well as academically well equipped to explore the field of information technology that offer a diverse range of research and job opportunities.

PROGRAMME DURATION

Full time : 1.5 years

INTAKE AND ENTRY REQUIREMENTS

March, July, November

Entry Requirements:

- Bachelor's Degree in Information Technology, Computer Science or any other related field with a CGPA of 2.5 and above; or
 - Other qualifications recognized equivalent by the Government of Malaysia.
 - Candidates with a Bachelor's Degree but not in the field of Computer may be admitted with the condition they need to take the pre-requisite module for their initial preparatory course of study.
- Candidates with CGPA below 2.5 but exceeding 2.0 may be admitted subject to rigorous internal evaluation process,

English Requirements :

International students must have proof of good proficiency in verbal and written English. For example, International English Language Testing System (IELTS) score of 6.0 or its equivalent. If a student does not meet this requirement, HEPS must offer English proficiency courses to ensure that the student's proficiency is sufficient to meet the needs of the programme.

LIST OF COURSE/MODULE OFFERED IN THE PROGRAMME

Sl. No.	Subject Name
1	Object Oriented Programming
2	Design and Analysis Algorithms
3	Advanced Database
4	Internet Programming and Web Design
5	Telecommunication Systems
6	Advanced Java
7	Neural Networks
Elective (choose any three modules from the following)	
8	Open Source Technology

Sl. No.	Subject Name
9	Information Security
10	Embedded Systems
11	Artificial Intelligence
12	Mobile Computing
13	Cloud Computing
14	Research Methodology
15	High Performance Network
16	Project Paper

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