MANIPAL INTERNATIONAL UNIVERSITY

SETARA 2019
VERY COMPETITIVE
EMERGING UNIVERSITY

MANIPAL AROUND THE WORLD

INDIA
Manipal Academy of Higher Education, Manipal, India

Manipal University Jaipur, Jaipur, India

Sikkim Manipal University, Sikkim, India

NEPAL
Manipal College of Medical Sciences, Nepal

MALAYSIA
Manipal International University, Nilai, Malaysia

Manipal University College Melaka, Malaysia

Manipal GlobalNxt University, Malaysia

UNITED STATES
American University of Antigua, Antigua

DUBAI
Manipal Academy of Higher Education, Dubai, UAE

MANIPAL GROUP OF INSTITUTES

20+ disciplines

10k+ alumni faculty

60+ YEARS of education excellence

75+ academic partners worldwide

59+ students from countries

450,000+ alumni members

400,000+ students

6 universities
12 countries
5 campuses

BACHELOR OF COMPUTER SCIENCE (HONS)

(R/481/6/0285)(04/23)(MQA/FA2303)
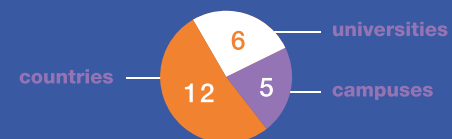
INTRODUCTION/OVERVIEW OF THE COURSE

Bachelor of Computer Science with Honours covers the domain of the Computer Science and Software Engineering. The opportunity for graduates in Computer Science globally is tremendous as the demand for computer science graduates now outweighs supply. Other than preparing graduates for the general software industry, graduates from this program will have a strong foundation in data science – a discipline where the demand for such graduates is expected to grow exponentially. if you are interested in working with the next new gadget or app the world is talking about, introducing new technology changing the world, this program is for you.

INTAKE:
MARCH **3**
AUGUST **8**
OCTOBER **10**

CONTACT INFO

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in Manipal International University

MANIPAL INTERNATIONAL UNIVERSITY

📞 1800 – 222 – 648 | www.miu.edu.my

INTAKE: March / August / October
DURATION: Four years

ENTRY LEVEL	ENTRY REQUIREMENTS APPROVED BY MOHE
ENGLISH REQUIREMENT: Required minimum score of 5.0 for IELTS or 410 above for TOEFL or MUET Band 3	
STPM	Pass with minimum Grade C in 2 subject; AND a credit in Additional Mathematics at SPM or its equivallent
UEC	Pass with minimum of 5 Grade B including Mathematics
A-LEVEL	2 Passes subject; AND a credit in Additional Mathematics at SPM or its equivalent
Matriculation/ Foundation	Pass Matriculation/Foundation in relevant field (recognized by the Malaysian Government) with minimum CGPA 2.00; AND a credit in Additional Mathematics at SPM or its equivalent
Diploma	A Diploma in Computer Science/Software Engineering/Information Technology/ Information Systems or equivalent with a minimum CGPA of 2.50 and a credit in Additional Mathematics at SPM Level or its equivalent. Candidates with CGPA below 2.50 but above 2.00 with a credit in Additional Mathematics at SPM level or its equivalent may be admitted subject to a rigorous internal assessment process; OR Any other Diploma in Science and Technology with a minimum CGPA of 2.50 may be admitted subject to a rigorous internal assessment process and a credit in Additional Mathematics at SPM level or its equivalent.
Others	Any other equivalent qualifications recognized by the Malaysian Government

*Candidates without a credit in Additional Mathematics at SPM level or its equivalent may be admitted if the Diploma programme contains subjects in Mathematics that are equivalent to Additional Mathematics at SPM level. Candidate with a credit in computing related subject at SPM or STPM level or its equivalent may be given preferential consideration.

Course Structure / Course Outline

YEAR 1
- Probability and Statistic
- Computer Programming
- Discrete Mathematics
- English for Professional Communication
- Self-Development and Leadership Buildings
- Philosophy & Current Issues / Bahasa Melayu Komunikasi 2
- Internet and Web Programming
- Database Management Systems
- Organizational Behaviour
- Object Oriented Programming
- Computer Organization and Architecture
- Introduction to Psychology
- Penghayatan Etika & Peradaban / Philosophy & Current Issues
- Family Issues
- Co-curriculum

YEAR 2
- Software Engineering
- Operating Systems
- Data Structures
- Computer Networks
- Free Elective
- Introduction to Multimedia
- Elective 1
- Elective 2
- Human Computer Interaction
- Serverside Programming
- Professional Computing Practices
- Industrial Training

YEAR 3
- Cryptography and Network Security
- Data Science Tools
- Final Year Project 1
- Elective 3
- Project Management
- Artificial Intelligence
- Final Year Project 2
- Software Testing and Quality Assurance
- Machine Learning
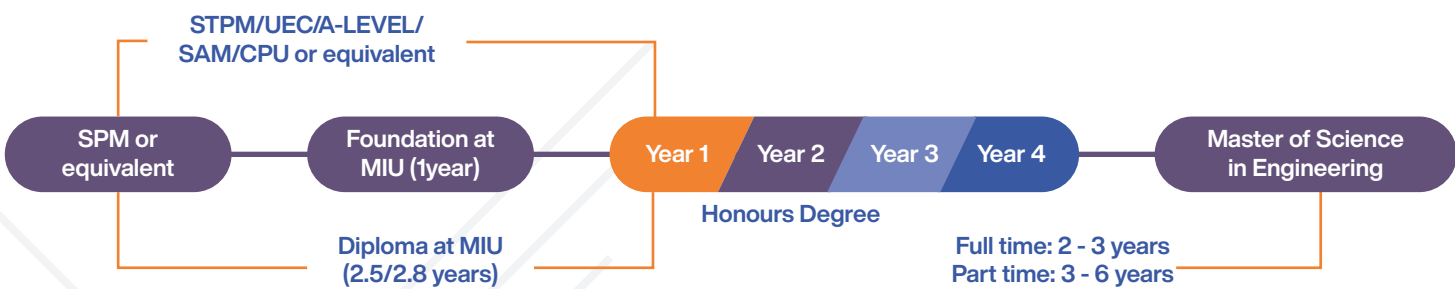- Elective 4
- Entrepreneurship
- Professional Learning

Electives
- Big Data
- Ontology and Semantic Web
- Data Warehousing & Data Mining
- Green ICT
- Computer Game Theory
- Natural Language Processing
- Mobile Computing
- Computer Design
- IR 4.0
- Operations Research
- Could Computing
- Bioinformatics

Free Electives
- E-commerce
- Management Information Systems

MIU Pathways

SPM or equivalent → Foundation at MIU (1year) → STPM/UEC/A-LEVEL/ SAM/CPU or equivalent → Year 1 | Year 2 | Year 3 | Year 4 → Master of Science in Engineering

Diploma at MIU (2.5/2.8 years)

Honours Degree

Full time: 2 - 3 years
Part time: 3 - 6 years

SCHOLARSHIPS & FINANCIAL AIDS AVAILABLE
TABUNG Pendidikan | JPA

Facilities around the Campus

Laboratories
49 Engineering, Biotechnology, Computer Science and Mass Comm labs for hands-on experience.

Sports & Fitness
On-Campus sports facilities and various competitions keep our students healthy and strong for all challenges.

Cultural Clubs & Society
Over 15 clubs and societies allow students to exhibit their inner passions and creativity with freedom.

Academic Cognition
Multi-floor library, conducive classroom environments and lush-green campus offers peaceful and focused concentration.

Library
At MIU we have state-of-the-art library with free access to reputable e-databases such as Springer for all the students.

On Campus Hostel
MIU student hostel is 5 mins walking distance from the MIU campus. Amenities such as restaurant, banks and medical center are very close to the hostel. All rooms are airconditioned.

Career Prospects in Engineering

- Data Analyst
- Software Developer
- Database Administrator
- Full Stack Developer
- Information System Manager
- Data Scientist
- Information Security Analyst