



**MANIPAL**  
INTERNATIONAL 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

## DIPLOMA IN ELECTRONIC ENGINEERING (COMPUTER)

(R/523/4/0227) (12/24) (MQA/FA4946)

**Fully Accredited by ETAC**

**APPLY NOW**

**MANIPAL  
GROUP OF  
INSTITUTES**

**60+**  
YEARS  
of education  
excellence

**450,000+**  
alumni members

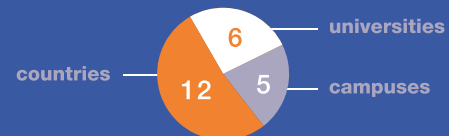
**400,000+**  
students

**20+**  
disciplines

**75+**  
academic partners  
worldwide

**10k+**  
alumni faculty

students from  
**59+**  
countries



### INTRODUCTION / OVERVIEW OF THE COURSE

In today's digital age, electronics and computing are fundamental components driving advancement we are now witnessing. With this in mind, this program has been tailor-made to include topics from Computer Science and Electronics Engineering where students learn to control hardware through software programming. It will also prepare you to progress towards an undergraduate degree in computer science, computer engineering or electronic engineering. Graduates of this programme will possess adequate technical knowledge and skills typically IR 4.0 focused work environment.

INTAKE:

MARCH 3

AUGUST 8

OCTOBER 10

## CONTACT INFO

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Negeri Sembilan

📧 miu\_malaysia

📘 manipalmy

🏢 Manipal International  
University

INTAKE: March / August / October  
DURATION: Two years and eight months

MIU Pathways

ENTRY LEVEL	ENTRY REQUIREMENTS APPROVED BY MOHE
INTERNATIONAL STUDENTS: Required minimum score of 5.0 for IELTS or 500 for TOEFL or its equivalent	
SPM	Pass with minimum of 3 credits including Mathematics and 1 related subject (Science/Technical/Vocational); AND a pass in English
STPM	Pass STPM; AND pass in Mathematics, English and 1 Science/Technical/Vocational subjects at SPM or its equivalent
Certificate	<ul style="list-style-type: none"><li>Pass Certificate in Engineering/Engineering Technology (Level 3 KKM) (recognized by Malaysian Government) or its equivalent with CGPA 2.00; OR</li><li>Pass Certificate (Level 3 KKM) Vocational and Technical/Skills (recognized by Malaysian Government with CGPA 2.00 AND a Credit in 1 subject at SPM Level AND ONE (1) year of relevant work experience or a minimum of ONE (1) semester of a bridging program</li></ul>
Others	Any other equivalent qualifications recognized by the Malaysian Government

Course Structure / Course Outline

1  
YEAR

Mathematics 1	Physics	Fundamental of Computers	Computer Programming	Computer Programming Lab	Elements of Electrical Engineering
Elements of Electrical Engineering Lab	Proficiency English 1	Mathematics 2	Web Programming	Web Programming Lab	Data Structure
Data Structure Lab	Operating Systems	Electronic Devices & Circuit	Electronic Devices & Circuit Lab	Proficiency English 2	Creative & Critical Thinking
Co-Curriculum					

2  
YEAR

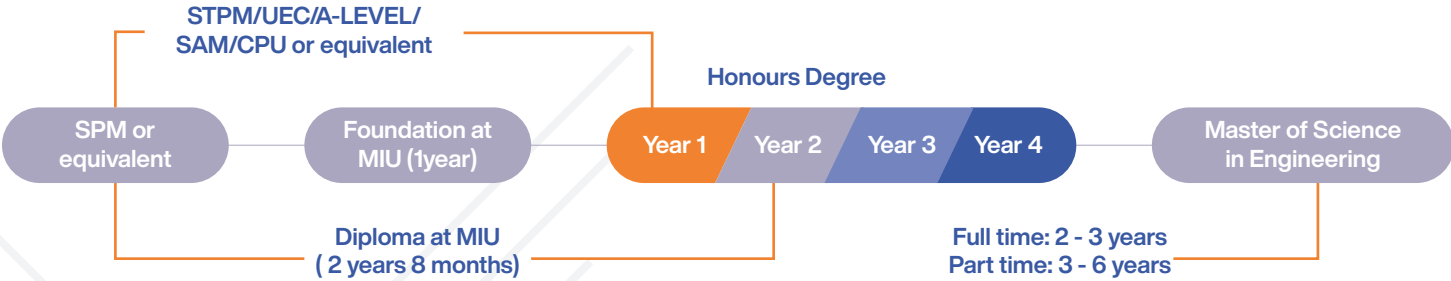
Mathematics 3	Object Oriented Programming	Communication Systems	Communication Systems Lab	Electronic Circuits 1	Electronic Circuits Lab 1
RDBMS	Pengajian Malaysia 2 / B. Melayu Komunikasi 1	Entrepreneurship	Digital Electronics Lab	Electronic Circuits 2	Electronic Circuits Lab 2
Computer Networks	Digital Electronics	RDBMS Lab	Microcontrollers	Microcontrollers Lab	Group Project
Computer Network Lab	Constitution & Community				

3  
YEAR

Renewable, Environment & Sustainability	Renewable Energy lab	Elective 1	Elective 1 Lab	Final Year Project	Elective 2
Elective 2 Lab	Industrial Training				

Electives

- Adv. Java Programming
  - Adv. Java Programming Lab
  - Mobile Applications with Android
  - Mobile Application with Android Lab
  - PLC and SCADA
  - Programmable Logic Controller Lab
  - Power Electronics
- Power Electronics Lab
  - Signal and Systems
  - Signal and Systems Lab



SCHOLARSHIPS & FINANCIAL AIDS AVAILABLE



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

Automation Technician	Instrumentation Technician	Robotics Technician
Electronics Technician	IT Technician	Network Technician