



MANIPAL
INTERNATIONAL UNIVERSITY



BACHELOR OF SCIENCE (BIOTECHNOLOGY) (HONS)

(R2/545/6/0006)(06/26)(MQA/FA0802)

INTRODUCTION/OVERVIEW OF THE COURSE

Biotechnology is one of the fastest growing industries in the world today. This field is expected to contribute significantly to Malaysia's GDP. Practitioners from the area of expertise harness biological processes to create and improve products for the betterment of mankind. This could include solving critical world problems such as ensuring food security through improved crop productivity, finding cure for debilitating diseases, preventing environmental degradation, and reducing carbon emission. An aspiring Science graduate, who would like to work in a sunrise industry using novel techniques, should choose Bachelor of Science (Biotechnology) (HONS).

INTAKE:

MARCH 3
AUGUST 8
OCTOBER 10



1800 – 222 – 648

www.miu.edu.my

MANIPAL AROUND THE WORLD

UNITED STATES

American University
of Antigua, Antigua

INDIA

Manipal Academy of Higher
Education, Manipal, India

Manipal University Jaipur,
Jaipur, India

Sikkim Manipal University,
Sikkim, India

DUBAI

Manipal Academy of Higher
Education, Dubai, UAE

NEPAL

Manipal College of
Medical Sciences, Nepal

MALAYSIA

Manipal International
University, Nilai, Malaysia

Manipal University College
Melaka, Malaysia

Manipal GlobalNxt
University, Malaysia

MANIPAL GROUP OF INSTITUTES

60+
YEARS
of education
excellence

450,000+
alumni members

400,000+
students

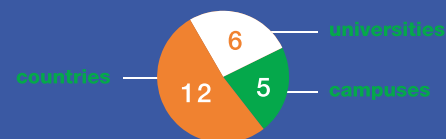


20+
disciplines

75+
academic partners
worldwide

10k+
skilled faculty

students from
59+
countries



CONTACT INFO

1800 – 222 – 648

No. 1, MIU Boulevard,
Putra Nilai, 71800 Nilai,
Negeri Sembilan

miu_malaysia

manipalmy

Manipal International
University

INTAKE: March / April / October
DURATION: Three years

MIU Pathways

ENTRY LEVEL	ENTRY REQUIREMENTS APPROVED BY MOHE
International students are required to achieve a minimum score of 5.0 in IELTS OR Band 3 in MUET OR its equivalent.	
STPM	Pass STPM with a minimum of Grade C (GPA 2.00) in any two (2) subjects, or its equivalent; and possess SPM with three (3) credits in Mathematics, one science subject and one any other subject, or its equivalent **
STAM	Pass STAM with a minimum grade of Jayyid, or its equivalent; and possess SPM with three (3) credits in Mathematics, one science subject and one any other subject, or its equivalent **
UEC	Pass with minimum Grade B in 5 subjects
A-LEVEL	Pass with minimum Grade C in 2 subjects **
Matriculation/ Foundation	Matriculation/Foundation with a minimum CGPA of 2.00, or its equivalent, and possess SPM with three (3) credits in Mathematics, one science subject and one any other subject, or its equivalent **
Diploma	A Diploma (Level 4, MQF) in a related field with a minimum CGPA of 2.00, or its equivalent.
Australian Year 12	<ul style="list-style-type: none">• Pass Australian Year (refer to MOHE's approval letter) with average 55%; or• Pass South Australian Matriculation (SAM) with minimum aggregate Tertiary Entrance Rank (TER) 55 including Mathematics; or• Pass Australian Matriculation (AUSMAT) with average 55% including Mathematics
Canadian Year 12	Pass Canadian Pre-University (CPU) or Ontario Secondary Diploma (Canadian Grade 12) with average 55% including Mathematics
International Baccalaureate	Pass International Baccalaureate with minimum score 24/45
Others	Any other equivalent qualifications recognized by the Malaysian Government

**The credit requirement at SPM level for candidate can be waived should the grades obtained at the STPM / STAM / Diploma / Matriculation / Foundation level are equivalent/higher.

Course Structure / Course Outline

YEAR 1

Fundamental of Science	Fundamental of Biology	Cell Biology	B.Melayu Komunikasi 2	Hubungan Etnik	English for Professional Communication
Genetics	Microbiology	Biochemistry	Biostatistics	Introduction to Psychology	TITAS
Pengajian Malaysia 3	Family Issues	Co-Curriculum			

YEAR 2

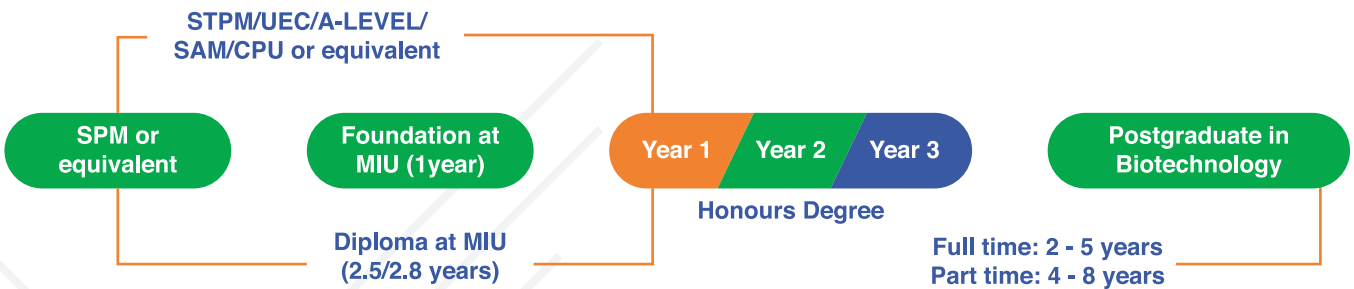
Biophysics	Molecular Biology	Developmental Biology	Genetic Engineering	Immunology	Plant Biotechnology
Animal Biotechnology	Microbial Biotechnology	Entrepreneurship Development	Computer Skills	Creative Thinking 2	Psychology 2

YEAR 3

Fermentation Technology & Bioprocess Engineering	IPR, Bioethics and Biosafety	Elective 1	Elective 2	Elective 3	Elective 4
Environmental Biotechnology	Final Project	Industrial Training			

Electives

- Pharmaceutical Biotechnology
- Medical Biotechnology
- Industrial Biotechnology
- Food Biotechnology
- Agri-Biotechnology
- Marine Biotechnology



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 Prospect in Biotechnology



Biomedical Engineer



Biochemist



Medical Scientist



Biological/ Clinical Technician



Microbiologist