



**MANIPAL**  
INTERNATIONAL UNIVERSITY



## MASTERS IN BIOTECHNOLOGY

Biotechnology operates at the frontier of Agriculture, Industrial and Medical sectors pioneering new knowledge, technologies and applications to understand, improve and value-add to living organisms.

Studying biotechnology at the postgraduate level at Manipal International University (MIU) will put you at the heart of one of the leading centres of bioscience in Malaysia and give you exciting opportunities to explore your interests.



MIU is part of Manipal Global Education (MaGE), a network of world-class institutions across Malaysia, India, Dubai and Nepal.



World-class laboratory facilities, with over 50 research laboratories.



Strong partnerships with industry and healthcare organizations including our world-renowned partners.



Learn with internationally leading scientists and researchers.



Study and work alongside fellow students from around the world.

### Message from the Head of Department

“We, the Biotechnology Department at MIU strongly believe in the value of interdisciplinary fields in Biotechnology which has inspired us to launch our postgraduate programs.

Our postgraduate program is designed to provide specialized scientific learning along with innovative projects that help students explore diverse career pathways, empowering them to thrive and prosper in an ever-evolving industry.

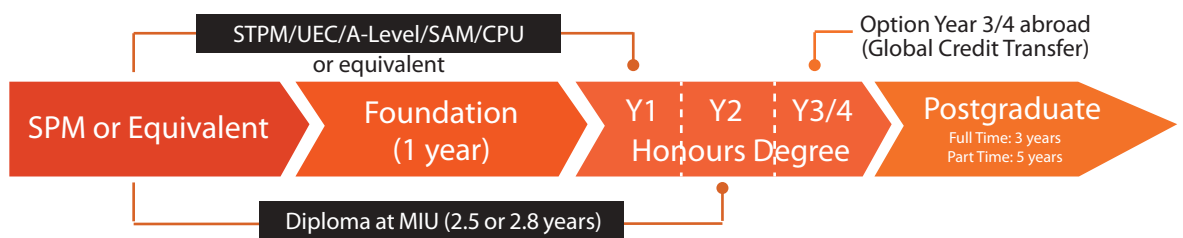


***Ms. Shamala Marimuthu, Head of Department – Biotechnology***

# ENTRY REQUIREMENTS

- A Bachelor's degree (Level 6, MQF) in a related field with a minimum CGPA of 2.75, or its equivalent, as accepted by the HEP Senate; OR
- A Bachelor's degree (Level 6, MQF) in a related field with at least CGPA of 2.50 and has not achieved CGPA 2.75, or its equivalent can be accepted subject to a rigorous internal assessment; OR
- A Bachelor's degree (Level 6, MQF) in related field but has not achieved CGPA of 2.50, or its equivalent can be accepted subject to a minimum of 5 years' working experience in the relevant field.
- International students are required to achieve a minimum score of 5.5 in IELTS OR Band 3 in MUET OR its equivalent.

## MIU Pathways



## GLOBAL Partnerships

Global engagement for students is an established tool for effective pedagogy.

MIU helps young minds across the world to unleash and achieve their full potential.

As part of Manipal Worldwide, MIU continuously delivers excellent education and produces quality graduates.

### UNITED STATES

- Northern Arizona University
- North Dakota State University
- SUNY Plattsburgh
- The Milwaukee School of Engineering

### UNITED KINGDOM

- The University of Leicester
- Lancaster University
- Swansea University

### ASIA

- T. A. Pai Management Institute
- Manipal Academy of Higher Education

### AUSTRALIA

- Deakin University
- University of The Sunshine Coast
- Murdoch University



## INDUSTRIAL Placements

MIU's mandatory internships with over 100 global industrial icons inculcate professional understanding, discipline and knowledge among students.

MIU graduates are equipped with knowledge, skills, and experiences to meet the ever-evolving IR 4.0

## Career Prospects

At MIU we place a strong emphasis on creating high quality employability especially in the healthcare, agriculture and industrial sectors.

Our qualifications in these cutting-edge areas are recognized and valued by a wide range of employers. There are also options to explore further academic qualifications and research.



Agriculture biotechnology



Food biotechnology



Industrial biotechnology



Marine biotechnology



Medical biotechnology



Microbial biotechnology



Nano biotechnology



Quality Control Officer

*We are looking for the brightest and best applicants to join us for an exciting future.*

## Alumni Speak:



"Postgraduate In Biotechnology has diversified my knowledge and progressed me to achieve my career goals. My investment in knowledge paid well."

*Ubashini Vijaykumaran*



"Pursuing postgraduate program in biotechnology is suitable for undergraduates of any biology major in pursuing their interests further, learning current cutting-edge research technology and developing critical thinking skills like a scientist in solving worldwide issues faced by mankind like improving crops, curing diseases, and protecting the environment."

*Tan Ee Wei*

# Our Industry Partners

The Department of Biotechnology reflects its overall commitment to postgraduate study in biotechnology through unrivalled learning opportunities which are strengthened by our partnerships with leading research institutes in private and public sectors in Malaysia.

The department of Biotechnology has global connections to further support the postgraduate students in their research investigations.



## Message From The Dean

“The School of Biotechnology reflects its overall commitment to biotechnology through unrivalled learning opportunities which are strengthened by our partnerships with leading research institutes in private and public sectors in Malaysia.

Our postgraduate programs in biotechnology at MIU, provide students the opportunities to pursue their research interest and at the same time foster creativity towards transformative and innovative research.

It is here that our postdoctoral fellows and talented research academics provide a supportive environment by providing exceptional training and mentorship to our postgraduate students.”



*Prof. Dr. Arokiaraj Pappusamy,  
Dean - School of Biotechnology*

## WORLD WIDE MANIPAL

- American University of Antigua, Antigua, USA
- Manipal Academy of Higher Education, Dubai, UAE
- Manipal Academy of Higher Education, India
- Manipal Academy of Higher Education, Jaipur, India
- Manipal College of Medical Sciences, Pokhara, Nepal
- Melaka-Manipal Medical College, Melaka, Malaysia
- Sikkim Manipal University, Sikkim, India



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