UNIVERSITY COLLEGE TATI

MBOT
LEMBAGA TEKNOLOGIS MALAYSIA
MALAYSIA BOARD OF TECHNOLOGY

2022 SETARA COMPETITIVE UNIVERSITY COLLEGE

Undergraduate

2025/2026 Session

Scan this QR code to apply

Bachelor of Polymer Engineering Technology (Honours)

R2/0711/6/0021(07/2026)- MQA/FA 16817
MBOT/FA/CM/0/02/0003

BACHELOR OF POLYMER ENGINEERING TECHNOLOGY (HONOURS)

INTRODUCTION

This programme is designed to produce competitive and highly-skilled graduates in the fields of chemistry, polymers, petrochemicals, and the oil and gas industry. Graduates have the opportunity to build careers in polymer processing and testing, mould design, rubber and latex industries, composites material manufacturing, and packaging. The programme equips students with in-depth knowledge and practical skills that meet industry needs, along with effective communication skills for articulating ideas and strategies. Upon graduation, polymer graduates are prepared to work professionally and adapt to multi-tasking environments, demonstrating strong problem-solving abilities.

MODULES

FIRST YEAR

CORE MODULES

- Engineering Drawing
- Intro to Plant Technology
- Electrical & Electronics Technology
- Material Science
- Fluid Mechanics
- Elementary Principles of Chemical Engineering
- Organic Chemistry
- Computer Programming
- Algebra
- Calculus

SECOND YEAR

CORE MODULES

- Engineering Mechanics
- Mould Design
- Introduction to Polymers
- Plastics Processing
- Plant Operations
- Process Plant Safety
- Plastic Properties & Testing
- Rubber Technology
- Statistics
- Professional Ethics

THIRD YEAR

CORE MODULES

- Undergraduate Project 1
- Undergraduate Project 2
- Polymer Degradation & Environment
- Polymer Structure & Characterization
- Polymer Rheology
- Specialty Engineering Polymers
- Engineering Economy
- Polymer Composite
- Design & Failure Analysis
- Numerical Method

FOURTH YEAR (FIRST SEMESTER)

CORE MODULES

- Instrumentation
- Polymer Synthesis
- Entrepreneurship

FOURTH YEAR (SECOND SEMESTER)

Industrial Training

Admission Requirements

QUALIFICATIONS

MUET Band 2 AND

- **STPM/ A-LEVEL**
  Pass STPM/ A-level or equivalent with a minimum grade C (CGPA 2.0) in Mathematics and ONE (1) relevant Science subject, AND

  Pass SPM or its equivalent with at least a pass in English, **OR**
- **MATRICULATION/ FOUNDATION**
  Matriculation/ Foundation with a minimum CGPA of 2.00 and a grade C in Mathematics and one (1) relevant Science subject, **OR**
- **DIPLOMA**
  Recognized Diploma in Engineering/ Engineering Technology or its equivalent, with a minimum CGPA of 2.00
  OR
  Recognized related Vocational and Technical/ Skills Diploma with minimum CGPA of 2.00 AND a pass in English at SPM level

ENGLISH LANGUAGE

- **IELTS** Minimum Band 5.0
- **TOEFL** 500 (paper-based)
- **MUET** Band 2 and above
- **PTE** 47 and above

Note: International students with no English Language certificate will be given a conditional offer as part of the requirements set by Education Malaysia Global Services (EMGS).

Information

Full Time
4 years (8 semesters)

Intakes
February/April/ July/ September

Full Time (Local)
Registration Fee: RM670.00
Semester Fee: RM6,085.00

Full Time (International)
Registration Fee: RM670.00
Semester Fee: RM8,560.00

Application Guidelines

MALAYSIAN QUALIFICATIONS

Step 1
Log on to **https://ecampus.tatiuc.edu.my/pelajar/apply.php** to create an account and fill in required information.

OTHERS

Step 1
Log on to **http://ecampus.tatiuc.edu.my/pelajar/apply_olevel.php** to create an account and fill in required information.

Step 2
Upload all supporting documents and confirm the application submission

Step 3
Check the application status online at the same website. The result will be received within 1 week after the application is made.

For International Students
Please submit your offer letter and all passport pages to International Unit (igs@uctati.edu.my) for visa arrangement prior your departure to Malaysia.

For online application, please visit:
Malaysian Qualifications: **https://ecampus.tatiuc.edu.my/pelajar/apply.php**
Others: **http://ecampus.tatiuc.edu.my/pelajar/apply_olevel.php**

For further enquiries:
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