



Undergraduate 2026/2027 Session



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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

- **STPM/STAM/ A-LEVEL**
Pass STPM or equivalent with a minimum Grade C (CGPA 2.00) in two subjects,
OR
Pass STAM (Grade Jayyid) or equivalent, **OR**
- **MATRICULATION/ FOUNDATION**
Pass Matriculation/ Foundation with a minimum CGPA of 2.00 or equivalent, **OR**
- **DIPLOMA**
Pass Diploma MQF level 4 with a minimum CGPA of 2.00 or equivalent, **OR**

Pass Advanced Diploma MQF level 5 with a minimum CGPA of 2.00 or equivalent, **OR**
- **APEL A**
APEL A as prescribed by MQA

ENGLISH LANGUAGE

(Applicable for International Students only)

- **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: RM790.00

Semester Fee: RM6085.00

Full Time (International)

Registration Fee: RM790.00

Semester Fee: RM8,560.00

Application Guidelines

MALAYSIAN QUALIFICATIONS

Step 1

Log on to

<https://ecampus.uctati.edu.my/pelajar/apply.php>
to create an account and fill in required information.

OTHERS

Step 1

Log on to

http://ecampus.uctati.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.uctati.edu.my/pelajar/apply.php>
Others: http://ecampus.uctati.edu.my/pelajar/apply_olevel.php

**For further enquiries:
Department of Promotion, Marketing & Corporate
Communication**

University College TATI (UC TATI)
Kampus TATIUC, Teluk Kalong,
24000 Kemaman, Terengganu
MALAYSIA



+609 860 1130



jpp@uctati.edu.my



www.uctati.edu.my

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DISCLAIMER: The information in this prospectus is correct as of April 2026. Changes in circumstances after this date may alter the accuracy of the information. UC TATI reserves the right to change any information in this prospectus without prior notice.