UNIVERSITY COLLEGE TATI

MBOT
LEMBAGA TEKNOLOGIS MALAYSIA
MALAYSIA BOARD OF TECHNOLOGY

2022 SETARA COMPETITIVE UNIVERSITY COLLEGE

# Undergraduate

## 2026/2027 Session

*Scan this QR Code to apply*

# Bachelor of Chemical Engineering Technology (Honours)

*R2/524/6/0032(07/2026) - MQA/FA 16818*
*MBOT/FA/CM/0/02/0004*

# BACHELOR OF CHEMICAL ENGINEERING TECHNOLOGY (HONOURS)

## INTRODUCTION

The Bachelor of Chemical Engineering Technology (Honours) programme is carefully designed to cultivate graduates endowed with both profound knowledge and technical prowess, adept at applying Chemical Engineering Technology to meet the dynamic demands of the industry. This rigorous programme emphasizes the development of effective communication skills, enabling students to function as influential team members or visionary leaders within various organizational settings. The programme's comprehensive and interdisciplinary modules empower students to innovatively, creatively, and ethically address complex challenges in Chemical Engineering Technology through a sustainable approach. Our curriculum is designed to foster critical thinking and problem-solving abilities, ensuring that graduates are not only adept in their field but also committed to ethical and sustainable practices. Upon graduation, our alumni are exceptionally prepared to embrace lifelong learning and continuous professional development, positioning themselves as leaders and innovators in their careers.

## MODULES

### FIRST YEAR

CORE MODULES

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

### SECOND YEAR

CORE MODULES

- Engineering Mechanics
- Transport Processes
- Analytical Chemistry
- Instrumentation
- Plant Operations
- Process Plant Safety
- Chemical Engineering Thermodynamics
- Unit Operation I
- Statistics

### THIRD YEAR

CORE MODULES

- Chemical Reaction Engineering
- Pollution Control
- Unit Operations 2
- Petrochemical & Petroleum Technology
- Undergraduate Project 1
- Undergraduate Project 2
- Plant Design 1 & CAD
- Process Control
- Engineering Economy

### FOURTH YEAR (Semester 1)

CORE MODULES

- Plant Design 2
- Process Control
- Professional Ethics
- Entrepreneurship

### FOURTH YEAR (Semester 2)

**Industrial Training**

# Admission Requirements

## QUALIFICATIONS

- **STPM/STAM**
  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 requirement 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: RM5,985.00

**Full Time (International)**
Registration Fee: RM670.00
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:**
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