



WEEKEND & EVENING CLASSES

BACHELOR OF CHEMICAL ENGINEERING TECHNOLOGY (HONS) IN FOOD

ENQUIRIES

UNIVERSITI KUALA LUMPUR
MALAYSIAN INSTITUTE OF CHEMICAL AND BIO-ENGINEERING TECHNOLOGY
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**MOHE/ MQA
Approved &
Accredited**

+ PROFESSIONAL CERTIFICATE

1. HALAL EXECUTIVE, HALAL INTERNAL AUDIT -
HALAL PROFESSIONAL BOARD (HPB), MESTI/GMP/HACCP

JPT/BPP (R/545/6/0014) 06/17, MQA A 7702 BACHELOR OF CHEMICAL ENGINEERING TECHNOLOGY (HONS.) IN FOOD

Weekend classes and Online Forum during Weekdays

OVERVIEW

This programme applies the principles of chemical engineering and food chemistry to the large-scale processing of foods. Food must be nutritious, ie., provide the essential nutrients for growth and health; they must be safe, free from dangerous micro-organisms and chemical contaminants; and, if they are to be consumed at all, that must be attractive in taste and appearance. In this programme you learn how to adapt the unit operations of traditional chemical engineering to the specific requirements of food processing. The main objective of this programme is to make it possible for well-trained chemical engineers to work in the food industry, possible one of the largest manufacturing industry in Malaysia; graduates that are market ready upon graduation. The programme includes exposure to areas of food chemistry, food microbiology, food engineering, food safety, food processing and the nutritive value of food. It is also designed to provide depth and breadth in the relevant physical and biological sciences on which food science and technology is based.

ENTRY REQUIREMENT

Pass STPM or equivalent with a minimum grade C (CGPA 2.00) in Mathematics, a Science related subjects and other subjects, as well as a pass in SPM or equivalent with at least a pass in English

Diploma (Level 4, the Ministry of Health) Engineering / Engineering Technology or equivalent recognized, with a CGPA of 2.00 and a minimum;
OR

Diploma (Level 4, kkm) in the field of vocational and technical / skills that are relevant and recognized with a minimum CGPA of 2.00 and a pass in English at SPM or equivalent

Passing Basic program of Science and Technology / Science Foundation (Foundation in Science and Technology / Foundation in Science) from UNIKL with minimum CGPA of 2.00 and a pass in English Language subject at the SPM level or equivalent
OR

Passed the Matriculation program / Preparation in Science recognized with a minimum CGPA of 2.00 and a pass in English Language subject at the SPM or equivalent OR Graduated South Australian Matriculation (SAM) / Australian Year 12 / including Canadian Grade 12 Mathematics and one Science subject related

Graduated in the International Baccalaureate (IB) with at least 24/45 points including Mathematics and one Science subject related

A Level pass with at least a pass in Mathematics, a Science related subjects and other subjects, as well as a pass in SPM or equivalent with at least a pass in English

Pass Sijil Tinggi Agama Malaysia (STAM) with at least Jayyid and pass SPM or equivalent with at least a credit in Mathematics, a Science related subjects and pass in English;

*Eg for applications for admission in 2015, graduated in 2014 or 2013 STAM HAVE A UNIVERSITY QUALIFICATION EXAMINATION ENGLISH TEST (MUET) AT LEAST BAND 2

OR
HAVING AT LEAST MINIMUM IELTS BAND 4.0 OR
HAVE MINIMUM SCORES AT LEAST TOEFL 450 (PBT) or 135 (CBT) or 40 (IBT)

FUNDING OPTIONS

HRDF Claimable

**subject to company levy contribution*

EPF WITHDRAWAL

PTPTN

**subject to PTPTN approval*

CREDIT CARD

MODULES OFFERED

SEMESTER 1

Mathematics 1
Technopreneurship
"Tamadun Islam & Tamadun Asia (TITAS)/
Bahasa Kebangsaan A"
Fundamental English
Professional English 1

SEMESTER 2

Mathematics 2
Physical Chemistry
Engineering Drawing & Computing
Mandarin 1
Fundamental of Electrical and Electronics

SEMESTER 3

Fluid Mechanics
Analytical & Organic Chemistry
Thermodynamics
Co-curriculum
Hubungan Etnik / Pengajian Malaysia 3

SEMESTER 4

Food Chemistry
Engineering Design
Chemical Process Principles
Isu-isu Kontemporari Muslim di Malaysia/Culture and
Lifestyle in Malaysia
Introduction to Food Science and Technology

SEMESTER 5

Transport Process Principles
Introduction to Environmental Engineering Technology
Food Sensory and Evaluation
Mandarin 2
Professional English 2

SEMESTER 6

Process Instrumentation & Control
Food Microbiology
Engineering Statistics
Industrial Safety & Health
Elective 1

SEMESTER 7

Food Processing and Innovation
Food Quality & Safety Management System
Oil & Fat Process Technology
Elective 2 *

SEMESTER 8

Chemical Food Analysis
Food Packaging Technology
Food Process Engineering
Elective 3

SEMESTER 9

Engineering Technologist in Society
Innovation Management
Final Year Project (Design Proposal)
Food Plant Design
Instrumental Food Analysis

SEMESTER 10

Halal Technology
Final Year Project (Design Implementation)

SEMESTER 11

Industrial Training

NOTE

ELECTIVE A (ENVIRONMENT)

Solid Waste Management
Wastewater Treatment Technology
Air Pollution Control Technology

ELECTIVE B (MANAGEMENT)

Management for Chemical Technologist
Marketing for Chemical Technologist
Chemical Technology Organization Behaviour

ELECTIVE C (BIOSYSTEM)

Bio-polymers
Downstream Processing of Bio-Products
Packaging Engineering

*credit transfer or exemption based on prior learning

