



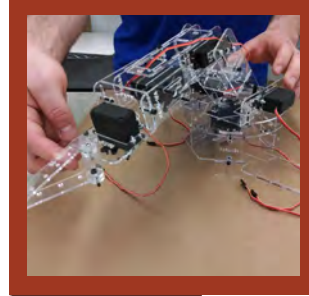
**LINCOLN**  
UNIVERSITY COLLEGE  
DKU016 (B)

# Bachelor of Mechanical Engineering Technology

KPT/JPS(PA 4387)08/19

## PROGRAMME DESCRIPTION

The Program, Bachelor of Mechanical Engineering Technology is the broadest areas of engineering activity. It describes the application of principles of physics for analysis, design, manufacturing and maintenance of mechanical systems. It requires a solid understanding of core concepts including applied mechanics, application of engineering principles and technological developments to the creation of useful machinery or products. The management area prepares students to manage people, resources, and systems related to mechanical engineering and manufacturing. Students are expected to appreciate the ethical and societal responsibilities of a technologist, the concepts of Continuous Quality Improvement, and the continuing impact of globalization of design, manufacturing, and marketing of technical goods and services.



## PROGRAMME AIM

Mechanical engineering is a branch of engineering that concentrates looks into design, production and usage and operation of machines. The goal of the Bachelor of Mechanical Engineering Technology program is to provide students with the necessary training and education so they can provide high-level of technical support to a variety of industrial, commercial, consulting, and governmental organizations. This study field aims to analyze, manufacture and design mechanical systems. It uses concepts of material theory and physics. Mechanical engineering includes kinematics, dynamics, thermodynamics, structural science, material analysis, physics, etc. Students can mainly work in manufacturing firms in public or private sector, research institutions of business environment.

## PROGRAMME DURATION

Minimum Duration : 48 Months.

## INTAKE AND ENTRY REQUIREMENTS

1. January. 2. May. 3. September.

- ▶ High school graduation certificate Malaysia (STPM) with a full pass in 2 subjects or equivalent with a minimum CGPA of 2.0 and pass certificates of Education Malaysia (SPM) or equivalent with credits in Mathematics; or
- ▶ A-Level pass with at least pass in 2 subjects including Mathematics and graduate Certificate of Education Malaysia (SPM) or O-Level or equivalent with credits in subjects Mathematics; or
- ▶ Passed the Matriculation Programme or Foundation recognized with a CGPA of 2.0; or
- ▶ Pass the Unified Examination Certificate (UEC) with at least grade B in 5 subjects including English and mathematics; or
- ▶ Graduate Diploma (Level 4 MOH) in the field associated with a CGPA DAN minimum 2.0 credits in subjects Mathematics at SPM level; or
- ▶ Other qualifications recognized by the Government of Malaysia.

**Call us :**

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No. 2, Jalan Stadium, SS 7/15, Kelana Jaya, 47301, Petaling Jaya, Selangor Darul Ehsan, Malaysia.



## LIST OF COURSE/MODULE OFFERED IN THE PROGRAMME

### Year 1 - Semester 1

COURSE NAME	CREDIT HOURS
ENGINEERING MATHEMATICS 1	3
COMPUTER AIDED DESIGN (CAD) 1	3
THERMODYNAMICS	3
ENGLISH I	3
MALAYSIAN STUDIES	3

### Year 1 - Semester 2

ENGLISH 2	3	
ENGINEERING MECHANICS	3	
ENGINEERING MATHEMATICS 2	3	
FLUID MECHANICS	3	
OPTIONAL (any one)	MORAL STUDIES/ ISLAMIC STUDIES	3

### Year 1 - Semester 3

ENGINEERING GRAPHICS	3
MECHANICS OF MATERIALS 1	3

### Year 2 - Semester 4

MEASUREMENT AND INSTRUMENTATION	3
ELECTRONICS 1	3
PROBABILITY AND STATISTICS	3
COMPUTER AIDED DESIGN (CAD) 2	3
PUBLIC SPEAKING	3

### Year 2 - Semester 5

ELECTRIC MACHINE	3
CONTROL SYSTEM	3
CIRCUIT THEORY	3
DIGITAL ELECTRONICS	3
ENGINEERING MATERIALS AND MANUFACTURING PROCESSES	3

### Year 2 - Semester 6

BAHASA MELAYU	3	
LABORATORY EXPERIMENTS IN		
A.	MECHANICS OF MACHINES	3
B.	STRENGTH OF MATERIALS	

### Year 3 - Semester 7

COURSE NAME	CREDIT HOURS
MACHINE DESIGN	3
MECHANICS OF MACHINES 1	3
COMPUTER PROGRAMMING	3
SAFETY AND HEALTH FOR ENGINEERS	3
PLASTICS PRODUCT DESIGN	3

### Year 3 - Semester 8

PROJECT MANAGEMENT	3
ENGINEERING THERMODYNAMICS AND HEAT TRANSFER	3
ELECTRONICS 2	3
QUALITY MANAGEMENT	3
RESEARCH METHODOLOGY	3

### Year 3 - Semester 9

LABORATORY EXPERIMENTS IN		
C.	MECHANICS OF MACHINES	6
D.	STRENGTH OF MATERIALS	
E.	THERMO FLUIDS	
F.	WORKSHOP PRACTICE	

### Year 4 - Semester 10

MECHANICAL SYSTEM DESIGN	3
AUTOMATION AND ROBOTICS	3
FINITE ELEMENT ANALYSIS IN MECHANICAL DESIGN	3
COMPUTER AIDED DESIGN (CAD) 3	3
FINAL YEAR PROJECT	3

### Year 4 - Semester 11

FINAL YEAR PROJECT	3
ENTREPRENEURSHIP DEVELOPMENT	3
RENEWABLE ENERGY PROCESSES	3
MECHANICS OF MACHINES 2	3
HUMAN FACTORS IN DESIGN	3

### Year 4 - Semester 12

INDUSTRIAL TRAINING	8
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