Bachelor of Mechanical Engineering Technology (Aeronautics) (Hons)

(R/0714/6/0024) (04/28) (MQA/FA 7014)

PROGRAMME DESCRIPTION

Bachelor of Mechanical Engineering Technology (Aeronautics) (Hons) is one of the most challenging fields of engineering with a wide scope for growth. This is a multidisciplinary programme where students are equipped with in depth knowledge of Physics and Mathematics, core skills in mechanical engineering with hands-on aircraft maintenance fundamentals to excel and develop as an aircraft maintenance engineer. The program would produce professionals with capacity to invent, to integrate, and to deploy the latest development in Mechanical and Aeronautics Engineering field. During the course students cover core mechanical disciplines including engineering mechanics, thermodynamics and control system while developing skills in project management and public speaking. Bachelor of Mechanical Engineering Technology (Aeronautics) (Honors), Lincoln University prepare students to be an industry-ready professional engineer capable of applying the principles of technology and science to the design, production and operation of systems, devices and machinery.

PROGRAMME AIM

Bachelor of Mechanical Engineering Technology (Aeronautics) (Hons) aims to equipped engineering graduates with enhanced knowledge of physics and materials science along with aeronautical engineering to play a leading professional roles in industry and public service. The aims of this programme are:

- To train the students to meet the ever increasing current industrial demand by providing technical knowledge regarding the principles underlying Mechanical Engineering and Aeronautics.
- To Develop expertise in planning, designing, constructing, supervising and managerial skills this is essential for the infrastructure of the modern technological communities.
- To Foster the development of personal qualities and professional competencies required to progress to evaluation as a Mechanical Engineer.
- To provide a relevant and useful programme, that can meet the needs of the individual, containing both theoretical and practical subjects within the broad areas of flight dynamics, structures, aerodynamics, materials, sustainable aviation and aerospace-related systems.
- To equip graduates with a detailed knowledge of advanced methods in aeronautical engineering, including theoretical foundations, computational and experimental methods and engineering applications.

PROGRAMME DURATION

Full Time : 48 Months, Part Time : 72 Months

INTAKE AND ENTRY REQUIREMENTS
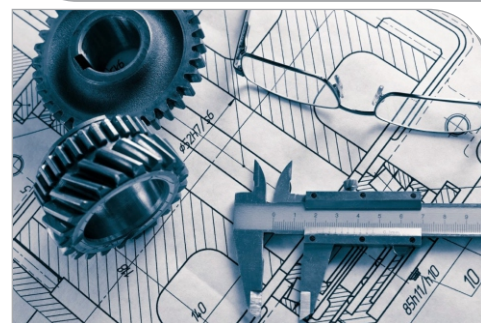
1. March,   2. July,   3. November

The minimum entry requirements for admission into the Bachelor of Engineering Technology (Hons.) in Mechanical with Aeronautics degree are set as below:

- Passed Sijil Tinggi Persekolahan Malaysia (STPM) or equivalent with at least grade C (NGMP 2.0) in Mathematics and a related Physical Science subject, and passed Sijil Pelajaran Malaysia (SPM) or equivalent with at least pass in English subjects; or
- Pass the Unified Examination Certificate (UEC) with at least grade B in 5 subjects including Mathematics and one Physical Science subject and pass SPM or equivalent with at least a pass in English; or
- Passed Matriculation/ Foundation/ Foundation from any Higher Education Provider who is allowed to offer the Foundation program with a CGPA of 2.0 including Mathematics and Physical Science subjects and passed English at SPM level or equivalent; or
- Passed Diploma (Level 4, MOH) in a related field with at least CGPA 2.0 and passed English at SPM level or equivalent; or
- Other qualifications recognized as equivalent by the Government of Malaysia.

Call us :

1 300 880 111 (Malaysia)
+603 78063478 (International)

Web : www.lincoln.edu.my | E-mail : info@lincoln.edu.my

Wisma Lincoln, No. 12-18, Jalan SS 6/12, 47301 Petaling Jaya, Selangor Darul Ehsan, Malaysia.

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

ISO 9001:2015 Certified

LIST OF COURSE/MODULE OFFERED IN THE PROGRAMME

Sl. No.	Subject Name
1	Engineering Mathematics 1
2	Computer Aided Design (CAD)
3	Thermodynamics
4	English 1
Elective (Choose any one module from the following)	
5	Islamic Civilization and Asian Civilization
6	Malay Communication 3
Elective (Choose any one module from the following)	
7	Ethnic Relations
8	Malaysian Studies 3
9	Computer Programming
10	Engineering Mechanics
11	Fluid Mechanics
12	Leadership Skills and Human Relations
13	Mechanics of Materials
14	Engineering Drawing
15	Engineering Laboratory Year 1 i. Fluid Mechanics ii. Engineering Mechanics iii. Design Lab
16	Measurement and Instrumentation
17	Circuit Theory
18	Probability and Statistics
19	Computer Aided Design (CAD) 2
20	Public Speaking
21	Malaysian Government and Public Policy
22	Engineering Mathematics 2
23	Control System
24	Electronics
25	Digital Electronics
26	Community Service
27	English 2
28	Engineering Materials and Manufacturing Processes

Sl. No.	Subject Name
29	Engineering Laboratory Year 2 i. Digital Electronics ii. Measurement and Instrumentation iii. Control Systems iv. Aerospace Measurements Lab
30	Machine Design
31	Mechanics of Machines 1
32	Aerodynamics
33	Engineering Thermodynamics and Heat Transfer
34	Finite Element Analysis
35	Aircraft Structural Mechanics
36	Helicopter Dynamics
37	Aircraft Systems
Elective (Choose any two modules from the following)	
38	Entrepreneurship Development
39	Project Management
40	Quality Management
41	Renewable Energy Processes
42	Human Factors in Design
43	Electrical Machine
44	Aircraft Design
45	Flight Mechanics
46	Mechanical System Design
47	Industrial Training
48	Mechanics of Machines 2
49	Engineering Design Optimization
50	Final Year Project 1
51	Aircraft Propulsion
52	Engineering Laboratory Year 3 i. Mechanics of Machines ii. Aerodynamics Lab iii. Aircraft Structures Lab
53	Final Year Project 2
54	Engineering Laboratory Year 4 i. Mechanics of Machines ii. Strength of Materials iii. Modelling and Simulation Lab

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