

Bachelor of Mechanical Engineering

Introduction

Bachelor of Mechanical Engineering is a 4-year program, where students are expected to complete 126 credits of study before graduation. Students are also required to undergo industrial training for at least 10 weeks during the semester break in the Second Half of Year 3. The content and structure of the curriculum for this program has been designed in accordance with the requirements of stakeholders and objectives and learning outcomes that have been set. The main objective of this program is to produce graduates of trained engineers in mechanical engineering with additional knowledge in the field of manufacturing engineering.

Mechanical engineers are responsible for mechanical design, combustion and fuel technology, heat transfer, materials selection, manufacturing process, automatic control, security products and the impact of technology on society. Mechanical engineers also have to ensure that the design of a device is made with efficient, effective, dependable and economical. In addition, they inspire, plan, design and supervise manufacturing, distribution and operation of various types of devices, machines and systems for material processing, transportation, maintenance and other purposes.

Career Opportunities

Job opportunities for graduates in Engineering (Mechanical) is extensive and covers employers of small and medium organizations, multinational corporations and government departments. Mechanical industry provides jobs in the field of design, research and development, manufacturing, management, marketing, management, sales and technical services. Previous records show that the graduates of the Department of Mechanical and Manufacturing Engineering often get relevant jobs.

Admission Requirements

Bachelor of Mechanical Engineering (PK08) 8 Semesters		
Fulfills the University General Requirements and Specific Programme Requirements:		
a) A minimum CGPA of 2.80 b) A minimum of Band 3 in the Malaysian University English Test (MUET) OR Credit in English Language subject at SPM level		
c) And		
STPM Holder A minimum of Grade B (GP 3.00) in	KPM Matriculation / UM Science Foundation / UiTM Foundation / UPM Agricultural Science Foundation Holder A minimum of Grade B (GP 3.00) in	Diploma Holder / Equivalent A Diploma with a minimum CGPA of 2.80 in the appropriate field or

<ul style="list-style-type: none"> Mathematics T / Further Mathematics T AND Physics 	<ul style="list-style-type: none"> Mathematics/Engineering Mathematics; AND Physics/Engineering Physics/Chemistry/Engineering Chemistry/Engineering Science/Mechanical Engineering Studies 	other qualification approved by the UPM Senate.
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Curriculum (2016 – 2020):

The component of curriculum studies can be divided into three categories, namely general courses, core courses and elective courses:

Component	EAC requirements (minimum total credit hours)	Curriculum of Bachelor of Mechanical Engineering	Percentage
General Courses	Tiada nilai minimum ditetapkan	41	33%
Core Courses	80	76	60%
Elective Courses		9	7%
Total Credit	120	126	100%

Total credit hours: 126

Duration of study: 8 semester (4 years)

Fees:

Code	Program	Average cost of a student per year	Fees on First Semester*	Government subsidies to the student per year
64	Bachelor of Mechanical Engineering	RM24,921.00	RM2,643.00	RM20,491.00

*Fees for Local Students as per New Intake 2016/2017-1 Session (Subject to change)

Persons to be contacted:

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