

## Bachelor of Aerospace Engineering

### Introduction

The Bachelor of Aerospace Engineering programme is offered to help develop the aerospace industry as launched in the “*National Blueprint for the Development of the Aerospace Industry in Malaysia*”.

Content of the program has been designed and covers both branches of Aerospace Engineering:

- Aeronautical Engineering – Branch of knowledge and application that is related to fields such as aerodynamics, aerospace materials, structures, propulsion, flight mechanics, and aircraft stability and control.
- Astronautical Engineering – Branch of knowledge and application that is related to fields such as orbital mechanics, space environment, telecommunication, space structures and rocket propulsion.

### Career Opportunities

Aerospace industry in Malaysia has been continually receiving encouragement and support from the government, military bodies and private agencies. Graduates from the Bachelor of Aerospace Engineering program will have career opportunities in local and international aerospace industry sectors like component manufacturing, maintenance repair and overhaul, operation management, system integration, avionics, and design services, and other related engineering industries.

### Admission Requirements

<b>Bachelor of Aerospace Engineering (PK15)</b> 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		
<b>STPM Holder</b>  A minimum of Grade B (GP 3.00) in <ul style="list-style-type: none"><li>• Mathematics T / Further Mathematics T</li></ul> AND <ul style="list-style-type: none"><li>• Physics</li></ul>	<b>KPM Matriculation / UM Science Foundation / UiTM Foundation / UPM Agricultural Science Foundation Holder</b>  A minimum of Grade B (GP 3.00) in <ul style="list-style-type: none"><li>• Mathematics / Engineering Mathematics; and Mechanical Engineering Studies</li><li>• Physics / Engineering Physics</li></ul>	<b>Diploma Holder / Equivalent</b>  A Diploma with a minimum CGPA of 2.80 in the appropriate field or other qualification approved by the UPM Senate.

### 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 Aerospace Engineering	Percentage
General Courses	No fixed minimum value	32	23.70%
Core Courses	90	88	65.19%
Elective Courses		15	11.11%
<b>Total Credit</b>	<b>135</b>	<b>135</b>	<b>100%</b>

**Total credit hours: 135**  
**Duration of study: 8 semester (4 years)**

### Fees:

Code	Programme	Average cost of a student per year	Fees paid by a student per year*	Government subsidies to the student per year
74	Bachelor of Aerospace Engineering	RM26,315.00	RM4,489.00	RM21,826.00

\*Fees for local students on first semester as at August 2, 2018 is RM2,637.00 (subject to change from time to time).

### Persons to be contacted:

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