

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

Bachelor of Aerospace Engineering (PK15) 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	KPM Matriculation / UM Science Foundation / UiTM Foundation / UPM Agricultural Science Foundation Holder	Diploma Holder / Equivalent
A minimum of Grade B (GP 3.00) in <ul style="list-style-type: none"> • Mathematics T / Further Mathematics T AND <ul style="list-style-type: none"> • Physics 	A minimum of Grade B (GP 3.00) in <ul style="list-style-type: none"> • Mathematics / Engineering Mathematics; and Mechanical Engineering Studies • Physics / Engineering Physics 	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	49	38%
Core Courses	80	68	53%
Elective Courses		12	9%
Total Credit	120	129	100%

Total credit hours: 129
Duration of study: 8 semester (4 years)

Fees:

Code	Programme	Average cost of a student per year	Fees on First Semester*	Government subsidies to the student per year
74	Bachelor of Aerospace 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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