

# BACHELOR OF AEROSPACE ENGINEERING WITH HONOURS

## Introduction

The Bachelor of Engineering in Aerospace Engineering with Honours program is offered to help develop the aerospace industry as outlined in the "Malaysia Aerospace Industry Blueprint 2030." The content of this program has been designed to encompass both branches of Aerospace Engineering:

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

## Career Opportunities

The aerospace industry in Malaysia is continuously supported and encouraged by the government, military bodies, and private agencies. Graduates of the Bachelor of Aerospace Engineering with Honours program will have career opportunities in over 250 local and international aerospace companies, including sectors such as component manufacturing, maintenance, repair, refurbishment, operations management, systems integration, avionics, technical services, design services, and in other related engineering industries.

## Admission Requirements

Bachelor of Engineering in Aerospace Engineering with Honours (UP6525001) 8 Semester

Minimum STPM Qualification	Minimum Matriculation/Foundation Qualification	Minimum Diploma/Equivalent Qualification
<p><b>Fulfil University General Requirements and SPECIAL PROGRAM REQUIREMENTS</b></p> <p>Obtain at least <b>CGPA 2.80</b>; <b>and</b> Obtain at least <b>Grade B</b> at</p>	<p><b>Fulfil University General Requirements and SPECIAL PROGRAM REQUIREMENTS</b></p> <p>Obtain at least <b>CGPA 2.80</b>; <b>and</b> Obtain at least <b>Grade B</b> at</p>	<p><b>Fulfil University General Requirements and SPECIAL PROGRAM REQUIREMENTS</b></p> <p>Possess a Diploma in a relevant field with at least a <b>CGPA of 2.80</b> or other</p>

<p>STPM level in the following subjects:</p> <ul style="list-style-type: none"> <li>• Additional Mathematics; and</li> <li>• Physics;</li> </ul> <p><b>and</b></p> <p>Obtain at least <b>BAND 3.0</b> in <b>Malaysian University English Test (MUET)</b> for examinations starting from Session 1 of 2021 or <b>BAND 3</b> for examinations up to 2020;</p> <p><b>or</b></p> <p>Obtain at least <b>BAND 2.0</b> in <b>Malaysian University English Test (MUET)</b> for examinations starting from Session 1 of 2021 or <b>BAND 2</b> for examinations up to 2020 and at least <b>Grade C</b> in English subject at SPM level;</p> <p><b>and</b></p> <p>No physical disabilities that make practical work difficult.</p>	<p>Matriculation / Foundation level in the following subjects:</p> <ul style="list-style-type: none"> <li>• Mathematics; and</li> <li>• Physics / Basic Engineering;</li> </ul> <p><b>and</b></p> <p>Obtain at least <b>BAND 3.0</b> in <b>Malaysian University English Test (MUET)</b> for examinations starting from Session 1 of 2021 or <b>BAND 3</b> for examinations up to 2020;</p> <p><b>or</b></p> <p>Obtain at least <b>BAND 2.0</b> in <b>Malaysian University English Test (MUET)</b> for examinations starting from Session 1 of 2021 or <b>BAND 2</b> for examinations up to 2020 and at least <b>Grade C</b> in English subject at SPM level;</p> <p><b>and</b></p> <p>No physical disabilities that make practical work difficult.</p>	<p>qualifications recognized by the UPM Senate;</p> <p><b>and</b></p> <p>Obtain at least <b>BAND 3.0</b> in <b>Malaysian University English Test (MUET)</b> for examinations starting from Session 1 of 2021 or <b>BAND 3</b> for examinations up to 2020;</p> <p><b>or</b></p> <p>Obtain at least <b>BAND 2.0</b> in <b>Malaysian University English Test (MUET)</b> for examinations starting from Session 1 of 2021 or <b>BAND 2</b> for examinations up to 2020 and at least Grade C in English subject at SPM level;</p> <p><b>and</b></p> <p>No physical disabilities that make practical work difficult.</p>
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### Curriculum (2021 – 2025)

The courses offered are divided into three categories: General Courses, Core Courses, and Elective Courses:

Curriculum Components	EAC Requirements (minimum credit hours)	Curriculum Bachelor of Aerospace Engineering with Honours	Percentage (%)
General Courses	No min set value	17	12.59%
Core Courses	90	106	78.52%
Elective Courses		12	8.89%
<b>Total</b>	<b>135</b>	<b>135</b>	<b>100%</b>

**Total Credit Hours for Graduation** : 135  
**Duration of Study** : 8 semesters (4 years)

### Tuition Fees

Code	Programme	Average Cost Per Student Per Year	Tuition Fees Paid by Students Per Year	Government Subsidy to Students Per Year
74-1	Bachelor of Aerospace Engineering with Honours	RM26,315.00	RM4,489.00	RM21,826.00

\* Subject to change from time to time.

### Contact Officer

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