

Bachelor of Chemical Engineering

Introduction

Bachelor of Chemical Engineering is a 4-year program, where the students are expected to complete 135 credits of study before graduation. Students also will choose one of the specialisation field offered namely Process Engineering, Environmental Engineering, Biochemical Engineering, and Science and Material Engineering during their final year studies. Students are also required to undergo industrial training for at least 10 weeks during the semester break between Semester 6 and 7 of their studies. 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 trained graduate engineers in the field of chemical engineering.

Career Opportunities

Job opportunities for graduates in Chemical Engineering is extensive and covers employers of small and medium organizations, multinational corporations and government agencies. Chemical processing, petroleum and natural gas industries provides employment in the field of design, research and development, manufacturing, management, marketing, maintenance, sales and technical services. Besides that, chemical engineering graduates also have the opportunity to work as safety engineer, researcher in research institutions and government agencies. Previous records show that the graduates of the Department of Chemical Engineering often get relevant jobs related to the field.

Admission Requirements

Bachelor of Chemical Engineering (PK03) 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 • Physics/Chemistry/Biology 	A minimum of Grade B (GP 3.00) in <ul style="list-style-type: none"> • Mathematics / Engineering Mathematics; and • Physics / Engineering Physics/Chemistry/Engineering Chemistry/Engineering Science/Mechanical Engineering Studies/Biology 	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 Mechanical Engineering	Percentage
General Courses	No minimum value stated	38	28.1%
Core Courses	90	88	65.2%
Elective Courses		9	6.7%
Total Credit	135	135	100%

Total credit hours: 135

Duration of study: 8 semester (4 years)

Fees:

Code	Program	Average cost of a student per year	Fees paid by a student per year*	Government subsidies to the student per year
63	Bachelor of Chemical 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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