



PROGRAMME DESCRIPTION

The Program, Mechanical Engineering Technology is the broadest areas of engineering activity. It describes the application of principles of physics for analysis, design, manufacturing and maintenance of mechanical systems. It requires a solid understanding of core concepts including applied mechanics, application of engineering principles and technological developments to the creation of useful machinery or products. This programs designs of mechanical tools, machines, and products. The management area prepares students to manage people, resources, and systems related to mechanical engineering and manufacturing.

PROGRAMME AIM

The goal of the Mechanical Engineering Technology program is to provide students with the necessary training and education so they can provide high-level technical support to a variety of industrial, commercial, consulting, and governmental organizations.

PROGRAMME DURATION

Minimum Duration : 48 Months. (Full Time)

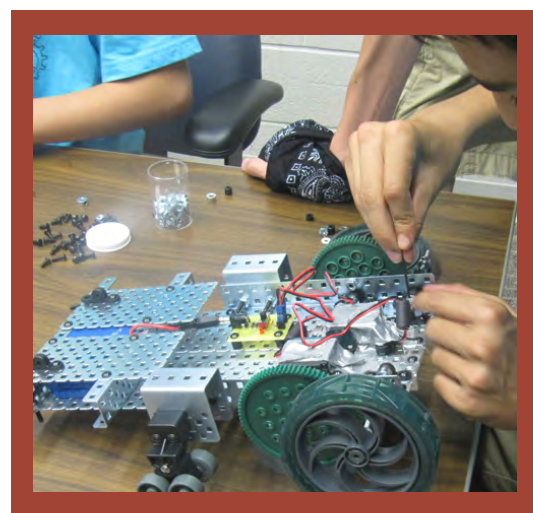
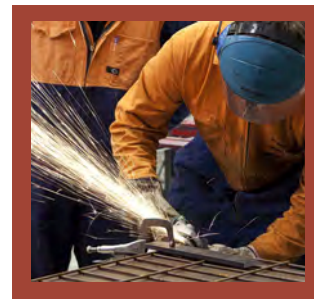
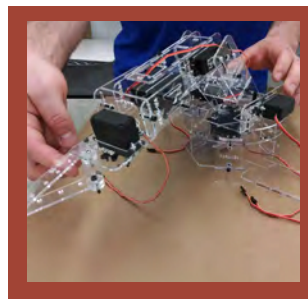
INTAKE AND ENTRY REQUIREMENTS

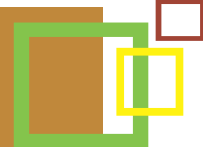
1. January. 2. May. 3. September.

- ▶ Passed a Malaysian High School Certificate (STPM) with a full 2-year or equivalent of a CGPA of 2.0 AND pass a Malaysian Certificate of Education (SPM) or equivalent to a credit in Mathematics; Or
- ▶ Passed A-Level with at least 2 subjects including Mathematics and pass a Malaysian Certificate of Education (SPM) or O-Level or credit equivalent in Mathematics; Or
- ▶ Passed the Matriculation program or a recognized Foundation with CGPA of 2.0; Or
- ▶ Passed Unified Examination Certificate (UEC) with at least grade B in 5 subjects including Mathematics and English; Or
- ▶ Passed Diploma (Level 4 MOH) in a related field with a minimum CGPA 2.0 and credit in Mathematics at SPM level;

LIST OF COURSE/MODULE OFFERED IN THE PROGRAMME

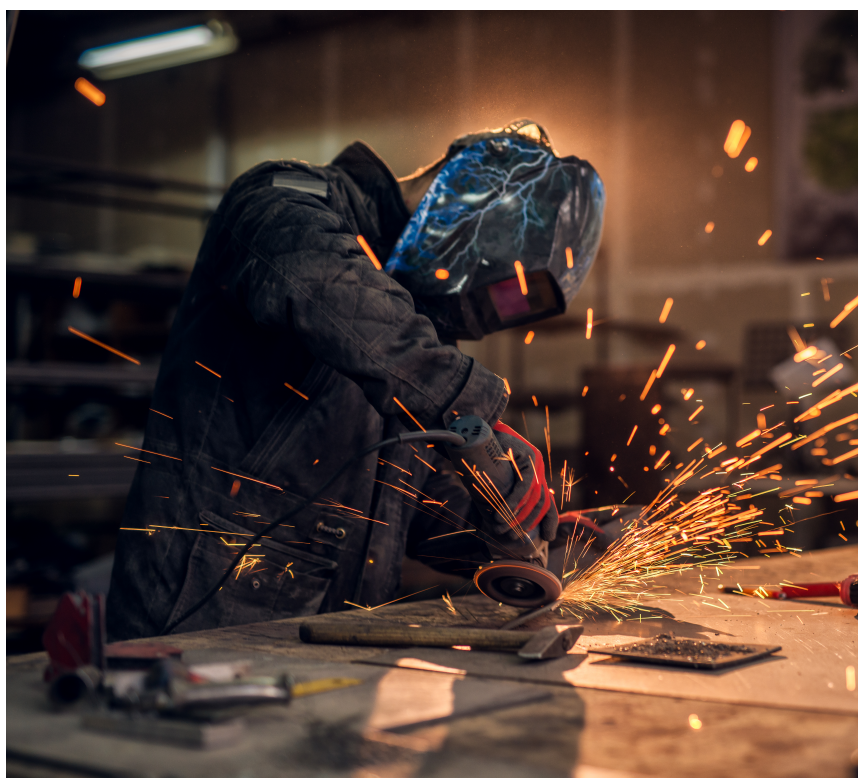
SL.NO	SUBJECTS
1	Engineering Mathematics 1
2	Thermodynamics
3	Engineering Drawing
4	Engineering Mechanics
5	English 1
6	Philosophy and Current issues course (Local Students) Malay Language Communication 2 (International Students)
7	Engineering Mathematics 2
8	Basic Computer Programming
9	Electronics 1





SL.NO	SUBJECTS
10	Fluid Mechanics
11	CAD-1
12	Appreciation of Ethics and Civilizations
13	Mechanics of Materials
14	Electric Machine
15	Engineering Laboratory 1 1. Mechanics of Materials 2. Engineering Mechanics 3. Basic Design
16	Measurement & Instrumentation
17	CAD-2
18	Engineering Materials
19	Probability & Statistics
20	Leadership Skill and Human Relation
21	Malaysian Government & Public Policy
22	Control System
23	Applied Thermodynamics
24	Manufacturing processes
25	Digital Electronics
26	Heat and Mass Transfer
27	Community Service
28	Public Speaking
29	Mechanics of Machine 1
30	Engineering Laboratory 2 1. Basic Workshop 2. Machine shop
31	Machine Design
32	Mechanics of Machines 2

SL.NO	SUBJECTS
33	Automation & Robotics
34	CAD -3
35	Finite Element Analysis in Mechanical Design
36	Research Methodology
37	Safety & Health for Engineers
38	Project Management
39	Design Project
40	Engineering Laboratory 3 1. Mechanics of Machine 2. Engineering Thermodynamics
Elective (Choose any one module from the following):	
41	Renewable Energy Processes
	Introduction to Composite Materials
	Quality Control
42	Entrepreneurship Development
43	Final Year Project 1
44	Final Year Project 2
45	Engineering Laboratory 4 1. Mechanics of Machine 2. Strength of Materials
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