
PROGRAMME INFORMATION

PROGRAMME NAME

Programmes (Malay/English)

- Sarjana Muda Teknologi Automotif Dengan Kepujian
- Bachelor of Technology in Automotive with Honours

PROGRAMME DESCRIPTION

This program focuses on the field of automotive technology with an emphasis on three main areas namely automotive manufacturing, vehicle maintenance and vehicle design modifications. In this program, students can choose a specialization or expertise they want to learn from the two options provided, namely vehicle diagnosis expertise and vehicle design modification expertise. Throughout their studies in this program, students will be exposed to various technologies in the automotive industry such as 3D printing, Augmented Reality, Virtual Reality, electric vehicles and unmanned vehicles, in line with the circulation of the 4th Industrial Revolution.

PROGRAMME OBJECTIVES (PO)

CODE	PROGRAMME EDUCATIONAL OBJECTIVES
PEO 01	To produce automotive technologist that perform automotive related work including diagnostic specialist and retrofit specialist
PEO 02	To produce technopreneurs in automotive related technology
PEO 03	To produce relevant respected referred professionals in automotive technology

PROGRAMME LEARNING OUTCOME (PO)

CODE	PROGRAMME OUTCOMES
PO 01	Apply knowledge of technology fundamentals to broadly-defined procedures, processes, systems and methodologies in the field of automotive study.
PO 02	Able to suggest and apply latest tools and techniques to solve broadly-defined problems.
PO 03	Demonstrate strong analytical and critical thinking skills to solve broadly-defined problems in the field of automotive study.
PO 04	Able to communicate and articulate effectively in both verbal and written among technologist communities and society at large .
PO 05	Demonstrate understanding of the societal related issues and the consequent responsibilities relevant to broadly-defined technology practices.
PO 06	Recognize the needs for professional development and to engage independent lifelong learning in specialist technologists.
PO 07	Demonstrate an awareness of management and technopreneurship practices in real perspective.
PO 08	Demonstrate professionalism and social and ethical consideration.
PO 09	Demonstrate leadership quality, mentoring and work effectively in diverse teams.

PROGRAMME DETAIL

- Two and half (2.5) years teaching and learning at university – 5 semesters
- One (1) year Work Based Learning (WBL) at industry – 2 semesters
- Six (6) months of Industrial Training at the end of study
- Total of Seven (7) semesters including 1 short semester
- Each semester (14 weeks of Teaching and Learning) excluding of short semester

ADMISSION FEES

- Tuition Fee Semester 1 - RM 2,690
- Next Semester Tuition Fee - RM 1,900

PROGRAMME STRUCTURE

Bachelor of Technology in Automotive with Honours UR6525001

YEAR	FIRST		SECOND		THIRD		SHORT SEM	FOURTH
SEMESTER	1	2	3	4	5	6		7
COMMON CORE	VDT110/4 Automotive Industry & Technology	VDT113/3 Shop floor Supervision	VDT210/3 Project Management	VDT212/4 Powertrain System Service	VDT310/3 Automotive Legislation		VDT415/6 FYP 2	VITXXX/12 Industrial Training
	VDT111/3 Automotive Drafting	VDT114/4 Automotive Component Design & Assembly	VDT211/4 Autotronic System Service	VDTXXX/4 Elective III	VDTXXX/4 Elective V	VDT313/6 Quality Management		
	VDT112/4 Automotive Workshop Practice	VDT115/4 Automotive Component Fabrication	VDTXXX/4 Elective I	VDTXXX/4 Elective IV	VDTXXX/4 Elective VI	VDT314/3 Risk Assessment		
			VDTXXX/4 Elective II	VDT213/4 Capstone Technopreneur 1	VDT311/4 Capstone Technopreneur 2	VDT315/4 FYP 1		
					VDT316/2 Vehicle Marketing	VDT316/3 Asset & Inventory Management		
	11	11	15	16	17	16	6	12
UNIVERSITY CORE	UZVXXX/1 Co-Curriculum 1	UZVXXX/1 Co-Curriculum II	UV312/2 English Technical for Communication	UUV235/2 Engineering Entrepreneurship	UUV131/2 Appreciation of Ethics and Civilization			
	UUV410/2 University Malay Language	UUV130/2 Philosophy and Current Issues	UUVXXX/2 Third Language					
	PUV122/2 Skill and Technology in Communication	UUV201/2 English for General Communication						
	UVA101/2 *Preparatory English							
	5	5	4	2	2			
TOTAL CREDIT PER SEMESTER	16	16	19	18	19	16	6	12
TOTAL CREDIT FOR GRADUATION								

Elective I : VDT214/4 Commercial Vehicle Servicing / VDT215/4 Surface Design
 Elective II : VDT216/4 Drivetrain Maintenance / VDT217/4 Automotive Modelling
 Elective III : VDT218/4 Vehicle Performance Analysis / VDT219/4 Exterior Design
 Elective IV : VDT220/4 Vehicle Fault Diagnosis / VDT221/4 Component Remanufacturing
 Elective V : VDT317/4 Hybrid Servicing / VDT318/4 Interior Design
 Elective VI: VDT319/4 Electric Vehicle Service / VDT318/4 Painting

WBL (Work Based Learning)

CREDIT TRANSFER/EXEMPTION

No Credit exemption is allowed now for DKM/DVM based on MQA upon the temporary accreditation approval.

GENERAL ADMISSION REQUIREMENT

Passed the Sijil Pelajaran Malaysia (SPM) / equivalent with a credit in Bahasa Melayu / Bahasa Malaysia subject or Bahasa Melayu / Bahasa Malaysia credit papers in July and passed in History (SPM 2013 and above) in the SPM examination;

or

Passed the Sijil Vokasional Malaysia (SVM) and earned CERTIFICATE with 3 Sijil Pelajaran Malaysia (SPM) credits as follows:

- i. Malay Language Honors (Code 1104);
- ii. Academic CGPA of at least 2.00;
- iii. Vocational CGPA of at least 2.67;
- iv. Competent all vocational modules; and
- v. Pass the History (History (Code 1251) for candidates for the Sijil Vokasional Malaysia (SVM) cohort 2013 - 2016);

and

Have a Diploma or other equivalent qualification recognized by the Government of Malaysia and approved by the University Senate;

and

Obtained at least Level 1 (Band 1) in Malaysian University English Test (MUET);

Specific Requirement

Passed Diploma Kemahiran Malaysia (DKM) / Diploma Lanjutan Kemahiran Malaysia (DLKM) from the Department of Skills Development (JPK) under the Ministry of Human Resources with a minimum CGPA of 2.00 in the relevant field recognized and approved by the University Senate;

or

Passed a Diploma in Technology from Vocational College under the Ministry of Education Malaysia with a minimum CGPA of 2.00 in the relevant field recognized and approved by the University Senate;

and

Candidates DO NOT have physical disabilities / members to make it difficult to practice;

and

Has graduated / graduated at the Diploma level before the deadline of application;

and

Entry is for Year 1 only without credit exemption.

DOCUMENTS FOR ADMISSION

Documents to be prepared

- Copy of application via online
- Copy of MyKad OR Copy of Birth of Certificate/Surat Akuan Sumpah (if MyKad is lost)
- School Certificate/Surat Akuan
- Employer's Declaration (if any)
- Copy of Diploma Certificate
- Copy of STPM Certificate
- Copy of SPM Certificate
- Copy of all Academic's Transcript
- Copy of MUET Certificate
- Copy of Letter of endorsement graduated
- Copy of Bahasa Melayu / Matematik July (if any)
- Copy of MQA AND MQR proof

CAREER PROSPECT

- Graduates in these areas will have the ability to engage in the design, research and development, consultancy, education, manufacturing, entrepreneurship, servicing, maintenance, diagnostic and management specialist in automotive industries.

PROSPECT JOB TITLE

- Automotive Designer
- Styling Designer
- CAD Designer
- R&D Executive
- Technologist
- Specialist
- Diagnosis specialist
- Technopreneur