



 **Duration of Study:**
2 years and 9 months

 **Total Credits:**
92 Credits

 **Mode of Study:**
Conventional

DIPLOMA IN RENEWABLE ENERGY MANAGEMENT

(R2/0712/4/0010)(MQA/FA3110)

→ CAREER PATHWAY

Step into the workforce as a confident and capable professional. Graduates of the Diploma in Renewable Energy Management (DREM) are valued for their practical skills and strong understanding of sustainable energy systems, energy efficiency, and modern renewable technologies.

You can explore various roles, including:

- Renewable Energy Technician
- Solar PV Technician
- Energy Efficiency Technician
- Sustainability Assistant
- Solar Technical Sales

ABOUT THE PROGRAMME

The Diploma in Renewable Energy Management programme is designed to provide students with the theoretical knowledge necessary for a career in management, electronics and renewable energy. Students acquire hands-on skills in troubleshooting, maintenance, installation, operation and repair and replacement of related equipment.

This diploma will train you in the key areas of Renewable Energy, Electronics and Management so that graduates are able to address energy issues from both the demand and supply side of things.

PROGRAMME OVERVIEW

 **Duration of Study**
The programme is structured over eight (8) semesters with total duration of 2 years and 9 months.

 **Course Assessment**
Evaluation consist of continuous assessments and final/alternative assessments.

 **Delivery**
Full Time (Conventional)

 **Recognised by**



MINISTRY OF HIGHER EDUCATION


Agensi Kelayakan Malaysia
Malaysian Qualifications Agency

PROGRAMME STRUCTURE

YEAR 1	SEM 1	FDL1110 English Proficiency		DREM1110 Electrical Principles		DREM2120 Digital Circuits		MPU1132*** Creativity and Innovation Skills / MPU2213**** Bahasa Kebangsaan A (U2)	
	SEM 2	FDE1110 Foundation Mathematics	DREM1120 Introduction to Renewable Energy			DREM1130 Electronics Principles		FDL1120 English Communication	MPU2162 Community Service (U4)
	SEM 3	FDC1110 Computer Applications		FDE2110 Principles of Management			MPU1082* Penghayatan Etika dan Peradaban / MPU1092** Bahasa Melayu Komunikasi 1 (U1)		
YEAR 2	SEM 4	FDC1130 Computer Programming	DREM1150 Professional Ethics	DREM2125 Critical Thinking	DREM2160 Occupational Safety & Health		MPU2222 Integrity and anti-Corruption (Integriti dan Anti-Rasuah) (U3)		DBA2200 Entrepreneurship
	SEM 5	DREM2150 Project Management		DREM2130 PV Design and Installation		DREM1140 Energy Systems & Renewable Energy Resources		DREM2190 Electrical Wiring	
	SEM 6	DREM2140 PV Technology & Manufacturing				DREM2180 Solar Thermal Technology			
YEAR 3	SEM 7	DREM2170 Wind and Hydro Technology			DREM2200 Design Project				
	SEM 8	DREM3000 Industrial Placement							

All programme information related to the course structure is subject to change from time to time
*Local student only** For students with Bahasa Melayu credit in SPM and international students***
*International student only*** For students without Bahasa Melayu credit in SPM****

ENTRY REQUIREMENTS

Local Students :

- Pass SPM or GCE 'O' Level with a minimum of three (3) credits, including a Pass in Mathematics, demonstrating sufficient academic foundation for entry into the programme; or
- Other recognized equivalent qualifications

International Students:

- Applicants must achieve English Competency Requirement Achieve a minimum Band 3 in MUET OR equivalent to CEFR (High B1)**.

WHAT MAKES SPECTRUM DIFFERENT?



Reasonable Fees:

Benefit from subsidised tuition fees, including waivers on administration and resource fees for all students.



Pathway to Bachelor's:

Enjoy seamless progression to our Bachelor in Electrical and Electronics Technology, a programme designed to further strengthen your foundation in engineering principles, advance your technical competencies, and prepare you for higher-level roles in the rapidly evolving electrical and electronics industry.



Enhanced Employability

We equip students with a diverse set of transferable skills, including critical thinking and problem-solving, which are highly valued by global employers.



Flexible resources:

Utilise the Free Digital Library, Free Micro-Credential Courses, and SPECTRUM2U Online Portal to access all study materials (notes, pre-recorded lectures and live webinars).

The information in this brochure is correct at the time of publication.
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WANT TO KNOW MORE ?

Scan or click the QR code and let's collaborate in charting your future.

