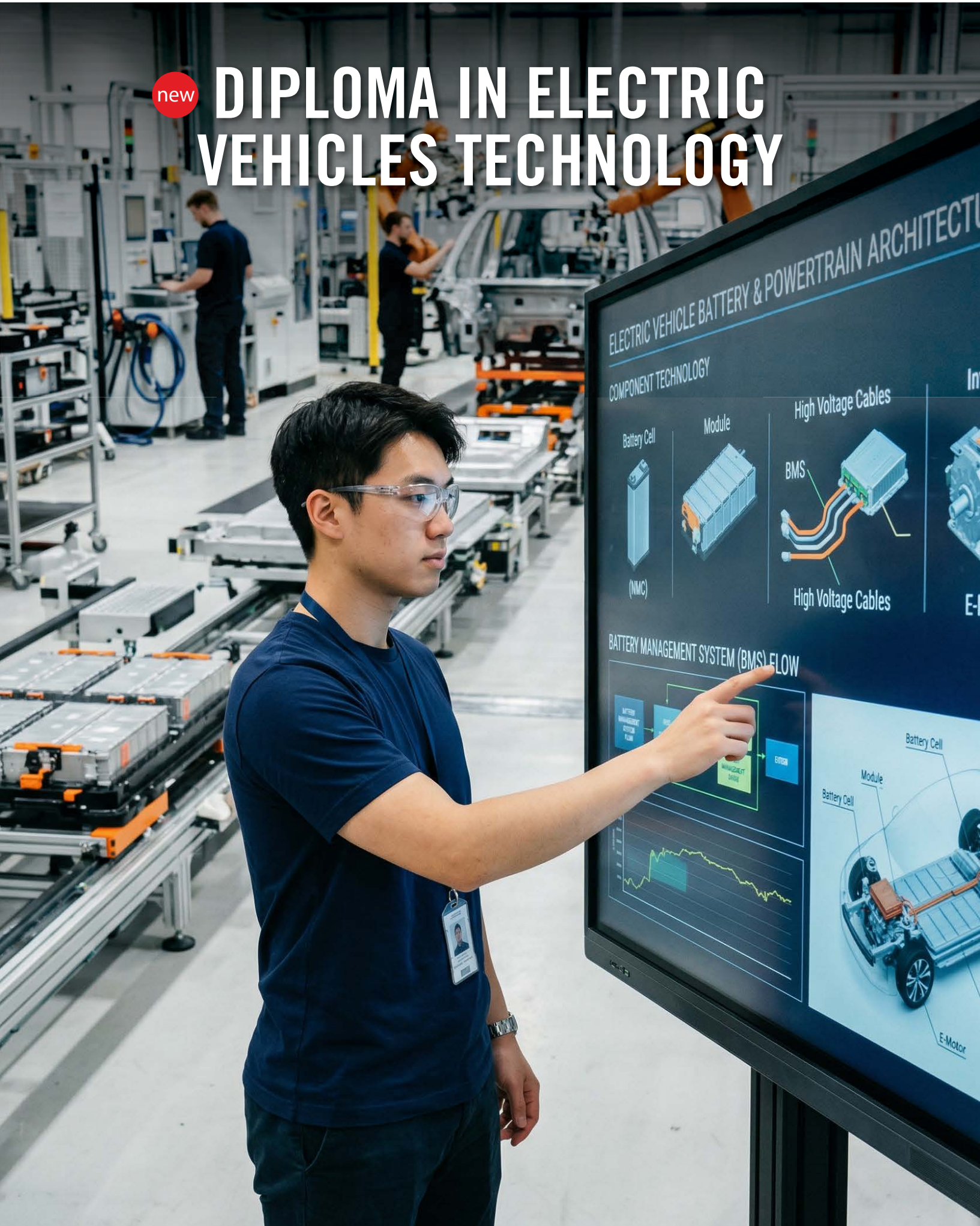


new

DIPLOMA IN ELECTRIC VEHICLES TECHNOLOGY



new

DIPLOMA IN ELECTRIC VEHICLES TECHNOLOGY

Students will be prepared for the future of transportation by gaining hands-on skills and knowledge in electric vehicle (EV) systems, battery technology, and charging infrastructure.

This programme offers an exciting pathway into a fast-growing industry with strong career opportunities as the shift towards sustainable mobility accelerates. As part of this journey, students will engage with cutting-edge electric vehicle (EV) technology and explore green, sustainable innovations shaping the automotive industry.

Students will gain practical experience in diagnosing, servicing, and maintaining EV technologies, making them industry-ready for roles in the automotive, energy, and green technology sectors, or for further studies in engineering fields.

Highlights

- Provisionally accredited by the Malaysia Board of Technologists (MBOT)
- Skills aligned with industry standards recognised by the Malaysia Board of Technologists (MBOT)
- Hands-on experience with real EV systems, battery technology, and charging solutions
- Job-ready skills in diagnostics, maintenance, and EV system operations
- Practical, project-based assessments
- Industry exposure through internships, site visits, and expert talks

Offered at

INTI International University

(N/0715/4/0053)(08/31)(MQA/PA18197)

Intake (s)

JAN, MAY, AUG

Duration

2.5 Years

Provisionally Accredited by:



Programme structure

Level 1

- Basic of Electrical Power System
- Data Structure and Algorithms
- Electrical Circuits
- Fundamentals of Electrical and Electronic Engineering
- Introduction to Electrical Vehicles
- Introduction to Programming
- Mathematics
- Properties of Materials
- Single Chip Microcomputer and Sensor
- Technical Drawing with Computer-Aided Design (CAD)
- University English

Level 2

- Business Models and Government Policies
- Code of Ethics
- Economics & Technopreneur
- Electrical Vehicle Battery Design and Usage
- Electrical Vehicle Model and Component Designs
- Electrical Vehicle Production and Certification
- Electrical Vehicle Powertrain and Electronics
- Electrical Vehicle Wiring Practice
- Power Electronics Interface and Charging Infrastructure
- Project Management Technical Skills
- Short Range Communication
- Sustainable Transportation
- Final Year Project

Industrial Training

MPU subjects

1. Compulsory
 - Appreciation of Ethics and Civilisations (Local students) / Communicating in Malay 1B (International students)
 - Integrity and Anti-Corruption
 - Co-curriculum
 - Bahasa Kebangsaan A*
2. Electives (choose one)
 - Green Malaysia: Innovations for a Sustainable Future
 - Personal Branding with Media Literacy

Career Opportunities

Automotive Electrician, Battery Specialist / Battery Technician, EV Charging Technician, EV Technician / Automotive Technician, Maintenance Technician, Production / Process Technician, Sales Technician, Technical Advisor / Service Advisor, Vehicle Diagnostic Technician

*For Malaysian students who do not have a credit in SPM BM

ENTRY REQUIREMENTS:

SPM / O-Level - Pass with minimum credit in any 3 subjects

STPM - Pass with minimum Grade C in 1 subject [Grade point (GP) 2.00]

UEC - Pass with Grade B in 3 subjects

Certificate - Pass Certificate (Level 3, MQF) in a related field with a minimum CGPA of 2.00

STAM - Pass with minimum grade of Maqbul

Others - Other equivalent qualifications as recognised by the Malaysian Government and the Malaysia Board of Technologists (MBOT)

INTI INTERNATIONAL UNIVERSITY DU022(N)

06-798 2000 • Persiaran Perdana BBN, Putra Nilai, Bandar Baru Nilai, 71800 Nilai, Negeri Sembilan

NEWINTI.EDU.MY