



chrisneisa
EV/HEV TRAINING CENTRE

Chrisneisa PTY LTD
Reg No : 2015/359699/07
VAT No: 4700277330

Doc. No.: EV-HEV TRG-FR-008
Rev. No.: 3
Effective Date: 8.12.2025



chrisneisa
EV/HEV TRAINING CENTRE
COURSE OUTLINE



INSTITUTE OF THE
MOTOR INDUSTRY
APPROVED CENTRE



Course Outline

Table of Contents

Page 3: Introduction

Page 4: ChrisnelSA IMI Level 1
Award in Electric/Hybrid Vehicle
Awareness

Page 5: ChrisnelSA IMI Level 2.1
Award for Emergency Responders
and Recovery Personnel

Page 6: ChrisnelSA IMI Level 2.2
Award in Routine Maintenance for
EV/HEV/PHEV

Page 7: ChrisnelSA IMI Level 3
Award in EV/HEV/PHEV System
Repair and Replacement

Page 8: ChrisnelSA IMI Level 4
Award in Fault Diagnosis, Testing,
and Repair of Electric/Hybrid
Vehicles and
Components





About ChrisnelSA EV/HEV/PHEV Centre (Pty) Ltd

For over a decade, ChrisnelSA has been a leading provider of Quality Management System and ISO consulting and training. We also offer containment services and skills development solutions to the manufacturing and automotive industries, both in South Africa and internationally. Recognizing that robust management systems are fundamental to developed nations, training and capacity building have always been central to our operations. This extensive experience in skills development uniquely positions ChrisnelSA to effectively address the evolving demands of the automotive sector. Our core belief is that prioritizing quality ensures a sustainable future. We are dedicated to providing world-recognized training delivered by highly experienced auto electricians. Furthermore, we are committed to establishing ethically sound practices and certification for the growing adoption of electric and hybrid vehicles across South Africa and the wider African continent.

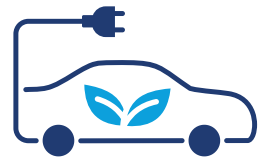


**INSTITUTE OF THE
MOTOR INDUSTRY**
APPROVED CENTRE

About the Institute of the Motor Industry

Institute of the Motor Industry (IMI) is the professional association for individuals working in the motor industry, and the authoritative voice of the sector. Established in 1920 the IMI was created to establish new skills and knowledge benchmarks for the emerging automotive industry. With more than 250 motor industry, and associated sector qualifications that are available in over 600 colleges and training centres worldwide, the IMI has stamped itself as the leading automotive qualification and accreditation body. With their qualification recognized internationally by governments, education authorities and automotive centres around the world, IMI Qualifications and Accreditations are available at overseas centres in Europe, the Middle East, China and South East Asia and recently accrediting its first Electric Vehicle Training Centre in Africa. The IMI's mission is to support the global automotive workforce in achieving and maintaining professional competence and continuing professional development to service, repair and maintain vehicles to industry standards, including new automotive technologies such as EV and ADAS. Which is why ChrisnelSA chose the IMI as its international accreditation body.





ChrisnelSA IMI Level 1 Award in Electric/Hybrid Vehicle Awareness

This unit is designed for people who may encounter electric/hybrid vehicles (all variations) and require safety awareness. It is suitable for *non-technical people such as managers, valets, parts staff, sales and aftersales staff, event staff, fleet managers and personnel, vehicle recovery personnel, vehicle dismantlers, vehicle damage assessors, insurance companies, vehicle hire companies, and electric/hybrid professional vehicle drivers*

Prerequisite:

No prior qualifications are required for this award.

Note: This is a knowledge-based unit only and does not qualify individuals to work on the high-energy electrical systems of electric or hybrid vehicles.

Course Outline:

- Introduction to electric and hybrid vehicles.
- Reasons for the transition.
- Introduction to Basic Electrical Principals.
- Hazards associated with working with High Voltage Systems.
- Electric Vehicles Features and Identification.
- Safety Precautions when coming across High Voltage Vehicle.

Assessments:

Online IMI INT-EHV1-A-23 Assessment

Certification & Timeline:

Candidate will receive:

- ChrisnelSA EV/HEV Certificate of Competence
- IMI Qualification Award

Please note that certification is not instant. Upon successful completion of the unit, the Qualification Award is claimed from the awarding body (IMI) and delivered to our premise. Please anticipate a processing and delivery period of 4–6 weeks from the date of successful completion.

Duration:

2 days: (Technical Personnel)

3 days: (Non - Technical Personnel)

Morning refreshments and lunch are included.

***For group bookings and pricing, please
email: ev.training@chrisnelSA.co.za**



ChrisnelSA IMI Level 2.1 Award for Emergency Responders and Recovery Personnel



This award is specifically designed for paramedics, firefighters, towing company personnel, and any other industry professionals who will be involved in the transportation, non-electrical vehicle maintenance, or recovery of high-voltage vehicles.

Prerequisite:

Matriculation certificate with passes in Mathematics and Science, and possession of the IMI Level 1 Award Awareness Training.

OR, for Emergency, non-electrical vehicle maintenance, and recovery personnel: relevant working experience.

Course Outline:

- Electric and Hybrid Vehicle Technology
- Electrical Principals
- Hazard Management when approaching High energy electrical systems
- Emergency Scenario and Risk Assessment Analysis
- Safety Protocol's of EV/HEV/PHEV
- Interactive Activities with Car Train System by Lucas-Nuelle.

Note: This is a knowledge-based unit only and does not qualify individuals to work on the high-energy electrical systems of electric or hybrid vehicles

This unit does not prove that someone is competent to work on the motor vehicle high energy electrical system and assumes an existing good level of electrical understanding. This unit does not cover commercial or domestic electrical installations, including charging equipment and cables.

Assessment:

IMI INT-EHVHM2-A Online Assessment
IMI INT-EHVHM2-A Oral Assessment

Certification & Timeline:

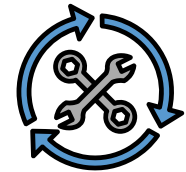
Candidate will receive:

- ChrisnelSA EV/HEV Certificate of Competence
- IMI Qualification Award

Please note that certification is not instant. Upon successful completion of the unit the training department must first compile and process all necessary supporting documents. This is then claimed from the awarding body (IMI) and delivered to our premise. Please anticipate a processing and delivery period of 4–6 weeks from the date of successful completion.

Duration: 5 Days

Morning refreshments and lunch are included.



IMI Level 2.2 Award Routine Maintenance for EV/HEV

This unit introduces candidates to electric/hybrid vehicle (all variations) technology including, and the safety requirements of working on these types of vehicles, e.g. whilst carrying out routine vehicle servicing, general repairs that are not related to the high energy electrical system.

Note: This unit does not prove that someone is competent to work on the motor vehicle high energy electrical system and assumes an existing good level of electrical understanding. This unit does not cover commercial or domestic electrical installations, including charging equipment and cables.

Prerequisite:

Auto-electrician or technician with 3+ years working experience
or Auto-electrician with IMI Level 1 Award and 6 months documented experience.
Candidates' CVs will be required for the training center to assess their suitability for training at this level.

Course Outline:

- Introduction to the Electric Vehicle and Hybrid Vehicle Safety features, equipment's and process when working on a High Voltage vehicle.
- Electric/Hybrid vehicle system components.
- Operational Hazards surrounding Electric/Hybrid vehicles.
- Risk reduction when working on Electric/Hybrid vehicles.
- Understanding the basic electrical principles and laws, how to correctly use measuring equipment and read wiring diagrams.
- Safely preparing the vehicle when carrying routine maintenance (NOT high voltage components or systems)
- The Lucas-Nuelle Car Train Systems and its uses for maintenance practices and training

Assessments:

IMI INT-EHVRM2-A-23 -Online Assessment
IMI INT-EHVRM2-A-23 Practical Assessment

Certification & Timeline:

Candidate will receive:

- *ChrisnelSA EV/HEV Certificate of Competence*
- *IMI Qualification Award*

Please note that certification is not instant. Upon successful completion of the unit the training department must first compile and process all necessary supporting documents. This is then claimed from the awarding body (IMI) and delivered to our premise. Please anticipate a processing and delivery period of 4–6 weeks from the date of successful completion.

Duration: 5 days

Morning refreshments and lunch are included.



IMI Level 3 Award in EV/HEV System Repair and Replacement

This award is designed for technicians who maintain and repair electric and hybrid vehicles. It covers the knowledge and skills required to work safely on and around a vehicle's high- and low- voltage electrical systems and electric drivetrain system while carrying out repairs or maintenance.

Prerequisite:

Intermediate to highly experienced auto electricians with 5 or more years of working experience. OR auto electrician candidates with IMI Level 2 experience and six months of documented work experience. Candidates' CVs will be required for the training center to assess their suitability for training at this level.

Course Outline:

- Safety equipment and procedures
- Electronics principles Hazards and risks associated with high-voltage vehicles
Types of electric and hybrid systems
- Types of batteries and cells
- Hybrid/EV Powertrain layouts
- Electric motors, inverters, DC-to-DC converters
- Carrying out repairs on high-energy electrical systems
- Ability to safely remove and replace electric and hybrid vehicle high-voltage components
- Recording information and making suitable recommendations
- The use of the Lucas-Nuelle Car Train System for advanced maintenance and fault repairs

Assessments:

IMI INT-EHVR3-A-23 Online Assessment
IMI INT-EHVR3-A-23 Practical Assessment

Certification & Timeline:

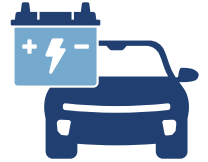
Candidate will receive:

- *ChrisnelSA EV/HEV Certificate of Competence*
- *IMI Qualification Award*

Please note that certification is not instant. Upon successful completion of the unit the training department must first compile and process all necessary supporting documents. This is then claimed from the awarding body (IMI) and delivered to our premise. Please anticipate a processing and delivery period of 4–6 weeks from the date of successful completion.

Duration: 5 days

Morning refreshments and lunch are included.



IMI Level 4 in Fault Diagnosis, Testing and Repair of Electric/Hybrid Vehicles and Components:

This qualification is designed for technicians who maintain and repair electric/hybrid high voltage vehicle systems and components. It contains the knowledge and skills required to work on live high voltage vehicle electrical components and associated systems.

Prerequisite:

Highly experienced Auto electrician with a minimum of 7+ years working experience with Battery Management System **and/or** an experienced Auto electrician or Technician with IMI Level 3 Award and a minimum of 6 months documented work experience. Pre-examination test is required along with the candidate CV.

Course Outline:

- Safety procedures when working on high voltage components.
- The removal and installation of high voltage components, such as battery modules.
- Battery management systems, including temperature control cell management.
- Candidates will be trained on how to carry out component evaluation and repairs on live high voltage vehicle systems safely.
- Diagnostic and data gathering to troubleshoot a HV system.
- High voltage safety procedure whilst working on the battery component.
- EV/PHEV/HEV Workshop Practical's

Assessments:

IMI INT-LVEV4 Online Assessment
IMI INT-LVEV4 Practical Assessment

Certification & Timeline:

Candidate will receive:

- *ChrisnelSA EV/HEV Certificate of Competence*
- *IMI Qualification Award*

Please note that certification is not instant. Upon successful completion of the unit the training department must first compile and process all necessary supporting documents. This is then claimed from the awarding body (IMI) and delivered to our premise. Please anticipate a processing and delivery period of 4–6 weeks from the date of successful completion.

Duration: 5 days

Morning refreshments and lunch are included.