# SWANN COLLEGE

RTO No. 45046 CRICOS No. 03555G

## Education - Your Door To The Future

# BATTERY/HYBRID VEHICLE TRAINING

PROTECH AUTOMOTIVE TRAINING

PJD Technical Training

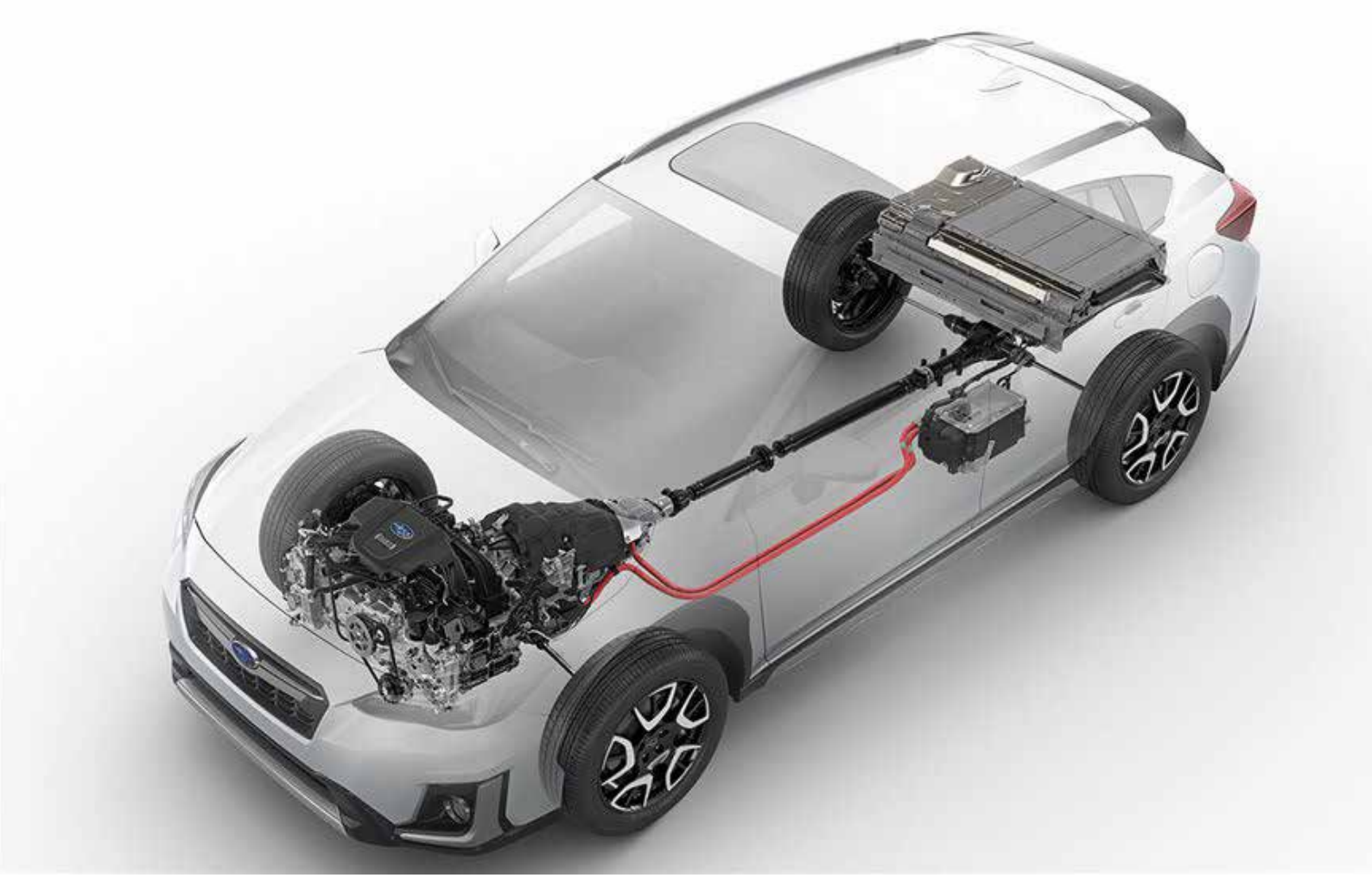
INSTITUTE OF AUTOMOTIVE MECHANICAL ENGINEERS iame

## ABOUT US

Swann College is a leading Registered Training Organization and delivering Nationally recognised qualifications. Our Head office is based in Adelaide, South Australia. We specialise in Automotive and Business Training.

Swann College is a contracted provider to deliver subsidised training in South Australia. We are current members with the Institute of Automotive Mechanical Engineers Australia (IAME) that ensure our training is accurate and up to date with current practices.

Swann College's mission is to train students to become the best Automotive and Electronic personnel working in the field. We strive to grow our business with honesty and integrity ensuring the students' and Industry needs are paramount to our students and our success.



## BATTERY/HYBRID SKILL SET TRAINING

This skill set is for individuals with existing automotive technology skills and knowledge, who work in automotive mechanical or electrical technical contexts, and who are looking to upskill in the area of BEVs.

### AURSS00064 - Battery Electric Vehicle Inspection and Servicing Skill Set

This skill set addresses the skills and knowledge to inspect and service battery electric vehicle (BEV) systems for a range of purposes required in an automotive retail, service and repair industry context.

**Entry Requirements:**

This skill set is limited to those who have completed one of the following qualifications:
AUR30320 Certificate III in Automotive Electrical Technology or equivalent
AUR30620 Certificate III in Light Vehicle Mechanical Technology or equivalent
AUR31120 Certificate III in Heavy Commercial Vehicle Mechanical Technology or equivalent
AUR31220 Certificate III in Mobile Plant Technology, or equivalent.
(Graduates of the EWP stream must have completed AURETR129 Diagnose and repair charging systems and AURETR130 Diagnose and repair starting systems)
The units provide credit towards AUR40620 Certificate IV in Automotive Electrical Technology, AUR32721 Certificate III in Automotive Electric Vehicle Technology and other qualifications that allow for selection of these units.

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| **AURETH101** | **Depower and reinitialise battery electric vehicles**<br>The unit describes the depower and reinitialise battery electric vehicles (BEVs). It involves ensuring the vehicle high voltage (HV) rechargeable energy storage system (RESS) is isolated before commencing any service or repair work. It also involves calibrating vehicle systems that may need resetting once the energy storage system is reinitialised. Importance is placed in the unit on applying RESS and separated extra low voltage (SELV) electrical safety procedures. |
| **AURETH102** | **Inspect and maintain battery electric vehicles (Prerequisite AURETH101)**<br>This unit describes the skills and knowledge required to inspect and maintain battery electric vehicles (BEVs). It involves working with automotive electrical components, maintaining rechargeable energy storage systems (RESS), and performing basic tests on electric drive motors. Importance is placed in the unit on applying both high voltage (HV) rechargeable energy storage systems RESS and separated extra low voltage (SELV) electrical safety procedures. |
| **AURETH103** | **Diagnose and repair high voltage rechargeable energy storage systems in battery electric vehicles (Prerequisite AURETH101)**<br>The unit describes the diagnose and repair of faults in the high voltage (HV) rechargeable energy storage systems (RESS) of battery electric vehicles (BEVs). It involves preparing for the task, selecting the correct diagnostic procedure, carrying out the diagnosis and repair, performing post-repair testing, and completing workplace processes and documentation. Importance is placed in the unit on applying electrical safety procedures when working on HV RESS. |
| **AURETH107** | **Diagnose and repair system instrumentation safety interlocks in battery electric vehicles (Prerequisite AURETH101)**<br>This unit describes the skills and knowledge required to diagnose and repair faults in the system instrumentation and safety interlocks of battery electric vehicles (BEVs). The unit involves preparing for the task, sourcing a diagnostic testing strategy, diagnosing the cause of the fault, carrying out the repair, performing post-repair testing, and completing workplace processes and documentation. Importance is placed in the unit on applying electrical safety procedures when working on high voltage (HV) rechargeable energy storage systems (RESS). |

### AURSS00064 Duration & Cost

Duration: 1 Week, Application Fee: $250 (once only) - Course Fee: $1500

## AURSS00037 – Hybrid Electric Vehicle Inspection and Servicing Skill Set

This is a skill set covering the fundamental requirements for inspecting and servicing hybrid electric vehicle (HEV) systems and components.

**Entry Requirements:**
The skill set may only be undertaken in addition to:

AUR30316 Certificate III in Automotive Electrical Technology or equivalent
AUR30616 Certificate III in Light Vehicle Mechanical Technology or equivalent
or as part of one of the following:

AUR40216 Certificate IV in Automotive Mechanical Diagnosis or equivalent
AUR40616 Certificate IV in Automotive Electrical Technology or equivalent.

| | |
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| **AURETH010** | **Diagnose and repair high voltage rechargeable energy storage systems in Hybrid electric vehicles (Prerequisite AURETR025)**<br>The unit describes how to diagnose and repair faults in the high voltage (HV) rechargeable energy storage system (RESS) of hybrid electric vehicles (HEVs) and plug-in hybrid electric vehicles (PHEVs). It involves preparing for the task, selecting the correct diagnostic procedure, carrying out the diagnosis and repair, performing post-repair testing, and completing workplace processes and documentation. Importance is placed in the unit on applying electrical safety procedures when working on HV RESS. |
| **AURETH011** | **Depower and reinitialise hybrid electric vehicles**<br>The unit describes how to depower and reinitialise hybrid electric vehicles (HEVs) and plug-in hybrid electric vehicles (PHEVs). It involves ensuring that the vehicle high voltage (HV) rechargeable energy storage system (RESS) is isolated before commencing any service or repair work. It also involves calibrating vehicle systems that may need resetting once the energy storage system is reinitialised. Importance is placed in the unit on applying RESS and separated extra low voltage (SELV) electrical safety procedures. |
| **AURETH012** | **Service and maintain electrical components in Hybrid electric vehicles (Prerequisite AURETH011)**<br>This unit describes the performance outcomes required to service and maintain electrical components in hybrid electric vehicles (HEVs) and plug-in hybrid electric vehicles (PHEVs). It involves working with the automotive electrical components and electrical systems that support the control and operation of the vehicle. Importance is placed in the unit on applying high voltage (HV) rechargeable energy storage system (RESS) electrical safety procedures. |

## AURSS00037 Duration & Cost

Duration: 1 Week, Application Fee: $250 (once only) - Course Fee: $1500

## COST OF BOTH SKILL SETS

### AURSS00037 & AURSS00064 Duration & Cost

Duration: 2 Weeks,
Application Fee: $250 (once only)

Total Course Fee for both the skill sets: $2,550

# RECOGNITION OF PRIOR LEARNING (RPL)

**What is RPL?**

RPL is the process of formally acknowledging the skills and knowledge you have developed as a result of:

- Formal and informal training programs e.g. School or another RTO
- Life experience: community group involvement, family activities, sports, hobbies, business pursuits, household management
- Work experience: i.e. training on the job experience.

Evidence of your skills and knowledge is provided by you and then evaluated by an assessor or assessment team against the units of competency included in the unit/s of competency included in the qualification in which you are enrolling.

Why apply for RPL?

It is important to apply for RPL if you think you already have the experience relevant to the unit/s of competency contained in the qualification. The advantages of applying for RPL are:

- You identify where your experience has provided you with the knowledge and skills required by the units of competency.
- If you have already achieved the unit/s of competency of a unit you will not have to do those units of the program.
- You only do units that are new and challenging. You don't do units in which you have proven experience.

If you wish to apply for RPL, please book an appointment with our qualified Assessor at **Marketing@swanncollege.edu.au** or give us a call on **08 8311 0487.**

## Benefits of studying at Swann College

- Automotive Industry Supported training
- We are registered for Work Ready Program for Apprenticeships
- Personal Training plan to meet your study needs
- Highly skilled trainers
- Flexible payment plans
- Two study campuses and Automotive workshops.
- Online learning platforms
- Nationally Recognized Training
- Easy access to all our campuses.
- All Our locations are equipped with Wi-Fi connectivity and latest learning resources.

## RECOGNITION OF PRIOR LEARNING (RPL)

### AUR30620: Certificate III in Light Vehicle Mechanical Technology

This qualification reflects the role of individuals who perform a broad range of tasks on a variety of light vehicles in the automotive retail, service and repair industry.

**Cost:** Application Fee: $250 (once only) - Course Fee: $4,200* - Duration: 1 Month Assessment time*

**Enrollment fee and Gap training will attract additional charges, RPL assessment duration can vary depending on complexity of case and response time.*

### AUR31120: Certificate III in Heavy Commercial Vehicle Mechanical Technology

This qualification reflects the role of individuals who perform a broad range of tasks on a variety of heavy commercial vehicles in the automotive service and repair sector.

**Cost:** Application Fee: $250 (once only) - Course Fee: $5,500* - Duration: 1 Month Assessment time*

**Enrollment fee and Gap training will attract additional charges, RPL assessment duration can vary depending on complexity of case and response time.*

### AUR40216: Certificate IV in Automotive Mechanical Diagnosis

This qualification reflects the role of individuals who perform advanced diagnostic tasks in the automotive retail, service and repair industry.

**Entry Requirement:** Those undertaking the Certificate IV in Automotive Mechanical Diagnosis must have completed an automotive mechanical Certificate III qualification, or be able to demonstrate equivalent competency.

**Cost:** Application Fee: $250 (once only) - Course Fee: $3,600* - Duration: 1 Month Assessment time*

**Enrollment fee and Gap training will attract additional charges, RPL assessment duration can vary depending on complexity of case and response time.*

## RECOGNITION OF PRIOR LEARNING (RPL)

### AUR50216: Diploma of Automotive Technology

This qualification reflects the role of individuals who diagnose, analyse, evaluate, design and modify vehicle systems in the automotive retail, service and repair industry.

### Entry Requirements

Those undertaking the Diploma of Automotive Technology must have completed an automotive Certificate IV qualification in one of the following disciplines, or be able to demonstrate equivalent competency. AUR40216 Certificate IV in Automotive Mechanical Diagnosis & AUR40816 Certificate IV in Automotive Mechanical Overhauling.

**Cost:** Application Fee: $250 (once only) - Course Fee: $3,600* - Duration: 1 Month Assessment time*

**Enrollment fee and Gap training will attract additional charges, RPL assessment duration can vary depending on complexity of case and response time.*

# SWANN COLLEGE

## Education - Your Door To The Future


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