



AUR32721 Certificate III in Automotive Electric Vehicle Technology

CRICOS Course Code: 116639H

National Qualification Code: AUR32721

Course Duration: 104 Weeks (Includes term breaks)

Delivery arrangement: Face to Face

Next start dates: See website for details or contact admissions

COURSE DESCRIPTION

This qualification reflects the role of individuals who service, diagnose and repair battery electric vehicles and components in the automotive, service and repair industry who carry out work according to Australian Standards (AS) 5732 Electric vehicle operations - Maintenance and repair.

STUDY AND ENJOY MULTICULTURAL BURWOOD

Skyline International College, Burwood campus is just 12 minutes by train from the heart of the city of Sydney. The campus is in the center of Burwood and is just 2 minutes of walk from the Burwood train station or bus stop. Burwood is multicultural and is a destination for international students to live and work.

ENTRY REQUIREMENTS

Skyline International College (SIC) follow the AUR Training package guidance for the entry requirements for this qualification. There are no entry requirements for this qualification and direct entry is accepted.

Academic Requirements:

Minimum completion of Australian Year 12 secondary school education equivalent or above.

English Language Requirements:

Academic IELTS 6.0 overall, no less than 5.5 in each band, or upper intermediate, or EAP from approved ELICOS/ESL centre.

Any AQF qualification at the Certificate III level or above in any discipline area delivered and assessed in English only will be deemed as meeting both the academic and English language entry requirements.

Physical requirements

Participants will be made aware that this course requires physical tasks including manual handling such as inventory and using heavy equipment's in a mechanical workshop setting.

RESOURCES REQUIREMENTS

We provide access to your course materials through SIC eSpace online platform and course handouts. We have computers and student access at College, required software's (eg, IT software's and Microsoft suite) are installed in college computers for students to use.

The course materials fee for the course is \$2,000.

VOCATIONAL OUTCOME

Occupational titles suited to our choice of electives may include:

- Automotive Technician.
- Automotive Electrical Technician.
- Automotive Electric Vehicle Technician

COURSE STRUCTURE

Our course has been designed to meet the requirements for the AUR32721 Certificate III in Automotive Electric Vehicle Technology. It contains 29 units of competency as follows:

- 16 core units
- 13 elective units

Unit Code	Unit Title	Core/Elective
AURAEA002	Follow environmental and sustainability best practice in an automotive workplace	Core
AURASA102	Follow safe working practices in an automotive workplace	Core
AURETH101	Depower and reinitialise battery electric vehicles	Core
AURETH102	Inspect and maintain battery electric vehicles*	Core
AURETH104	Diagnose and repair traction motor speed control systems in battery electric vehicles	Core
AURETH105	Diagnose and repair high voltage traction motors in battery electric vehicles	Core
AURETH106	Diagnose and repair auxiliary motors and associated components in battery electric vehicles*	Core
AURETH107	Diagnose and repair system instrumentation and safety interlocks in battery electric vehicles*	Core
AURETH108	Diagnose and repair HVAC and rechargeable energy storage cooling systems in battery electric vehicle*	Core
AURETH109	Diagnose and repair DC to DC converters in battery electric vehicles*	Core
AURETK002	Use and maintain electrical test equipment in an automotive workplace	Core
AURETR112	Test and repair basic electrical circuits	Core
AURETR125	Test, charge and replace batteries and jump-start vehicles	Core
AURETU103	Service air conditioning and HVAC systems	Core
AURTTA118	Develop and carry out diagnostic test strategies	Core

AURTTK102	Use and maintain tools and equipment in an automotive workplace	Core
AURAF103	Communicate effectively in an automotive workplace	Elective
AURLTJ102	Remove, inspect, repair and refit light vehicle tyres and tubes	Elective
AURTTJ011	Balance wheels and tyres	Elective
AURTTB101	Inspect and service braking systems	Elective
AURLTB103	Diagnose and repair light vehicle hydraulic braking systems	Elective
AURLTD104	Diagnose and repair light vehicle steering systems	Elective
AURLTD105	Diagnose and repair light vehicle suspension systems	Elective
AURTTD002	Inspect and service steering systems	Elective
AURTTD004	Inspect and service suspension systems	Elective
AURETR132	Diagnose and repair automotive electrical systems	Elective
AURETH103	Diagnose and repair high voltage rechargeable energy storage systems in battery electric vehicles*	Elective
AURETR006	Solder electrical wiring and circuits	Elective
AURACA101	Respond to customer needs and enquiries in an automotive workplace	Elective

DELIVERY METHODS

The course is delivered across 80 weeks over 8 terms.

The delivery mode is blended delivery mode combining classroom and practical.

Classroom learning The trainer will introduce the unit and the required knowledge and deepen the student's understanding of topics through a range of teaching methods. The materials are supplied and are comprehensive. Referring to SIC eSpace online, the trainer directs students to attempt the learning activities then written tests that cover the unit.

Workshop practical sessions:

For workshop sessions, students will undertake training and assessment in a commercial automotive workshop. Sessions provide an environment for students to work on practical learning for each unit. This is done under the guidance of the trainer. Students are encouraged to support each other in pairs and small groups. The workplace is fully functional Automotive Service Business and offers customers a comprehensive range of services to keep their cars safe and roadworthy. With Motor Vehicle servicing and mechanical repair, it's a one-stop shop to keep vehicles performing to their best ability. With a convenient location and friendly staff, workplace aims to take care of all vehicular needs in one go.

With fully functional Automotive students will be able to develop their skills in a 'real-time' automotive service delivery environment.

Structured online learning

There is an extra 10 hours per unit programmed outside of 20 scheduled contact hours where you revise and practice to reinforce classroom and practical learning. The eSpace online learning is set up by unit and topics so it is easy for you to explore and then work through each unit of

study. Some people will move more quickly through the material and others may take a bit more time depending on your confidence in the topics.

SAMPLE TIMETABLE

Day	Face to Face: Theory, Practical & Tutorial (20 hours/week)
Thursday	<u>Theory / Practical Session: Face to face</u>
Friday	8.00 am - 4.00 pm Lectures, group work, oral work, case studies, practical workshop
Saturday	<u>Tutorial Session: Blended Delivery (face to face & online)</u> 8.00 am - 1.30 pm Review of learning content, group discussion, lectures, interactive learning activities, feedback

ASSESSMENTS

Students are required to complete a range of tasks as part of the assessment requirements for each unit. Assessment methods may include:

1. Written Assessment
2. Practical Demonstration of Task
3. Case study
4. Project / Assignment
5. Role Play / Presentation
6. Portfolio / Work Placement / Third Party Report

Within the Projects there may be a number of tasks and methods used to gather evidence of competency such as:

- Web based research and reports
- Scenarios and case studies
- Practical demonstrations observed by the Assessor
- Simulations
- Presentations observed by the Assessor

RECOGNITION OF PRIOR LEARNING (RPL) AND CREDIT TRANSFER (CT)

RPL and credit transfer (CT) can be applied for at the time of enrolment or during orientation and the original or certified copy must be provided. A fee is payable for assessing your RPL status or processing your credit transfer, please refer to our price lists in the handbook and website. If credit is granted, international students may have their course and visa shortened.

Pathway for other Automotive Courses at SIC

- ✓ Students who have completed the AUR30620 Certificate III in Light Vehicle Mechanical Technology or relevant units' at SIC will be offered credit transfer. This will reduce the duration of study in the AUR32721 Certificate III in Automotive Electric Vehicle Technology from 8 terms (direct entry) to 4 terms at Skyline International College.

- ✓ Students who have completed the AUR32721 Certificate III in Automotive Electric Vehicle Technology or relevant units' at SIC will be offered credit transfer. This will reduce the duration of study in the AUR30320 Certificate III in Automotive Electrical Technology from 8 terms (direct entry) to 5 terms at Skyline International College.

COURSE COMPLETION

Upon successful completion of all the required units of this course, you will receive a nationally recognised qualification in AUR32721 Certificate III in Automotive Electric Vehicle Technology. Students who do not complete all required units may be eligible for a Statement of Attainment in partial completion of a AUR32721 Certificate III in Automotive Electric Vehicle Technology.

PATHWAYS

Under mutual recognition, the Qualification or Statement of Attainment awarded by Skyline International College will be recognized by other RTOs Australia wide. Upon successful completion of this course, students may choose to study:

- AUR40216 Certificate IV in Automotive Mechanical Diagnosis at Skyline International College or
- AUR50116 Diploma of Automotive Management or
- An undergraduate degree at universities or higher education providers that are willing to accept your credentials and experience (subject to higher education providers course entry requirements).

TRAINING AND OTHER FACILITIES

Skyline International College campus is fully equipped with required facilities including modern computer lab with internet access and required IT software's, data projector and resources borrowing facility, printing and photocopying facility and a student common area.

practical Automotive workshop– a custom built space that is used for Automotive training and can be adapted to suit light vehicle service and repair practice and simulations.

Automotive workshop location

Students note that, Automotive practical workshop facility may be located in a different location from the campus. Student must make necessary arrangements to attend practical workshop session.

SKYLINE INTERNATIONAL COLLEGE CONTACT DETAILS

Suite 701, Level 7, and Suite 508, Level 5, 11-15 Deane Street, Burwood, NSW 2134, Australia

Tel: 1300 807 383

Email: info@sic.edu.au Website: www.sic.edu.au

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