

AUR30316 Certificate III in Automotive Electrical Technology

Course Timetable and Duration

1105 hours (52 weeks including holidays)

The classes are allocated 2 days per week for face to face learning sessions. Attendance is compulsory for these sessions. There would be time expected for students to spend for self study (approximately 4 to 8 hours per week). Please contact Menzies Institute of Technology regarding the available class timetable days.

All theoretical and practical sessions are done at the Menzies School of Automotive campus and involve face-to-face delivery, practical demonstrations, in class activities and assessments.

Course Structure and Units of Competency

Code	Unit Title and Description	Nominal Hours
AURASA002	Follow safe working practices in an automotive workplace	20
AURTTK002	Use and maintain tools and equipment in an automotive workplace	20
AURAEA002	Follow environmental and sustainability best practice in an automotive workplace	20
AURTTE004	Inspect and service engines	20
AURTTC003	Diagnose and repair cooling systems	20
AURTTF001	Inspect and service petrol fuel systems	20
AURLTZ001	Diagnose and repair light vehicle emission control systems	20
*AURTTJ001	Balance wheels and tyres	20
AURLTD005	Diagnose and repair light vehicle suspension systems	30
AURLTD004	Diagnose and repair light vehicle steering systems	30
*AURLTD006	Carry out light vehicle wheel alignment operations	40
AURTTB001	Inspect and service braking systems	20
AURLTB003	Diagnose and repair light vehicle hydraulic braking systems	40
*AURTTX003	Inspect and service automatic transmissions	20
*AURTTQ001	Inspect and service final drive assemblies	5
AURETR025	Test, charge and replace batteries and jump-start vehicles	20
AURETR030	Diagnose and repair starting systems	30
AURETR029	Diagnose and repair charging systems	30
AURTTA004	Carry out servicing operations	20
*AURTTF005	Diagnose and repair engine forced-induction systems	20
AURTTK001	Use and maintain measuring equipment in an automotive workplace	20
AURETR035	Apply knowledge of petrol and diesel engine operation	20
AURLTE002	Diagnose and repair light vehicle engines	60
AURETR031	Diagnose and repair ignition systems	30
AURETR023	Diagnose and repair spark ignition engine management systems	60
AURETR024	Diagnose and repair compression ignition engine management systems	50
AURTTA018	Carry out diagnostic procedures	20
AURETR007	Apply knowledge of automotive electrical circuits and wiring systems	20
AURETK002	Use and maintain electrical test equipment in an automotive workplace	20
AURETR006	Solder electrical wiring and circuits	20



Code	Unit Title and Description	Nominal Hours
AURETR010	Repair wiring harnesses and looms	40
AURETR012	Test and repair basic electrical circuits	40
AURETR009	Install vehicle lighting and wiring systems	40
AURETR028	Diagnose and repair instruments and warning systems	40
AURETR043	Diagnose and repair electronic body management systems	40
AURETR032	Diagnose and repair automotive electrical systems	80
AURETR027	Install ancillary electronic systems and components	40

* Units incorporated additionally from Cert III in Light Vehicle Mechanical Technology qualification.