



# CAREERS SNAPSHOT

AUTOMOTIVE TRADES AND SERVICES

Which occupations in this industry are likely to have the **largest employment growth** over the next three years?

Which **TAFE NSW courses** are popular for people looking to get into these job roles and how much can you **earn**?

NUMBER

CAREER

JOB ADS

AVERAGE SALARY AND COURSES

1



685

Job ads posted in last 6 months (NSW)

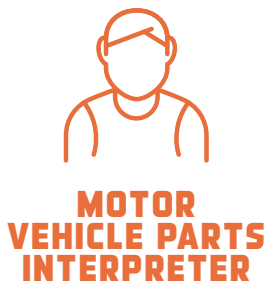
**\$52,140**

AVERAGE SALARY

- CIII in Light Vehicle Mechanical Technology (AUR30616)
- CIII in Heavy Commercial Vehicle Mechanical Technology (AUR31116)
- CIII in Mobile Plant Technology (AUR31216)
- CIII in Forklift Technology (AUR31716)

COURSES

2



90

Job ads posted in last 6 months (NSW)

**\$51,050**

AVERAGE SALARY

- CIII in Automotive Sales (AUR31016)
- CII in Automotive Electrical Technology (AUR20416)

COURSES

3



45

Job ads posted in last 6 months (NSW)

**\$51,050**

AVERAGE SALARY

- CIII in Automotive Sales (AUR31016)
- CIII in Customer Engagement (BSB30215)

COURSES

4



125

Job ads posted in last 6 months (NSW)

**\$54,440**

AVERAGE SALARY

- CII in Automotive Electrical Technology (AUR20416)
- CIII in Automotive Electrical Technology (AUR30316)

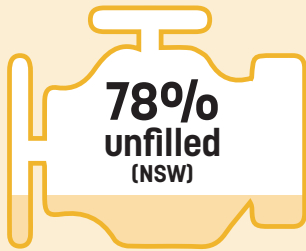
COURSES

5. PANELBEATER

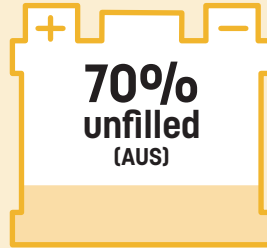
6. VEHICLE PAINTER

# SKILLS SHORTAGES

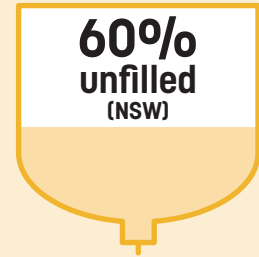
## PORTION OF ADVERTISED JOBS UNFILLED



**MOTOR MECHANIC (GENERAL)\***  
**DIESEL MOTOR MECHANIC\***  
**MOTORCYCLE MECHANIC\***



**AUTOMOTIVE ELECTRICIAN#**



**VEHICLE PAINTERS\***

This means that employers are unable to fill, or have considerable difficulty filling, vacancies in these job roles.



**PANELBEATER\***

### Examples of TAFE NSW courses aligned to:

- Motor mechanic (general): CIII in Light Vehicle Mechanical Technology (AUR30616), CIII in Heavy Commercial Vehicle Mechanical Technology (AUR31116)
- Motorcycle mechanic: CIII in Motorcycle Mechanical Technology (AUR30816)
- Automotive electrician: CIII in Automotive Electrical Technology (AUR30316)
- Vehicle painter: CIII in Automotive Refinishing Technology (AUR32416)
- Panelbeater: CIII in Automotive Body Repair Technology (AUR32116)

Note: Percentages represent the approximate portion of job vacancies that remained unfilled six weeks after being advertised.

\*Identified as both national and NSW skills shortage

#Identified as national skills shortage (not assessed at state level),

^Identified as NSW skills shortage (not assessed at national level).

## WHAT SKILLS AND CERTIFICATIONS ARE EMPLOYERS LOOKING FOR MOST IN THIS INDUSTRY?

SKILLS		CERTIFICATIONS	
1 AUTO REPAIR	6 WELDING	1 FULL DRIVER'S LICENCE	6 ELECTRICAL TRADE CERTIFICATE
2 ELECTRICAL WORK	7 PREDICTIVE/ PREVENTATIVE MAINTENANCE	2 FORKLIFT LICENCE	7 WORKING SAFELY AT HEIGHTS
3 FORKLIFT OPERATION	8 SALES	3 HEAVY AND MEDIUM RIGID DRIVER'S LICENCES	8 LICENCE TO PERFORM HIGH RISK WORK
4 CUSTOMER SERVICE	9 HYDRAULICS	4 FIRST AID CERTIFICATE	9 REFRIGERANT HANDLING LICENCE
5 TEAMWORK/ COLLABORATION	10 ELECTRICAL ENGINEERING	5 ELEVATED WORK PLATFORM (EWP) CERTIFICATE/ YELLOW CARD	10 WORKING IN CONFINED SPACES

**HOW IS TECHNOLOGY TRANSFORMING THE INDUSTRY?**



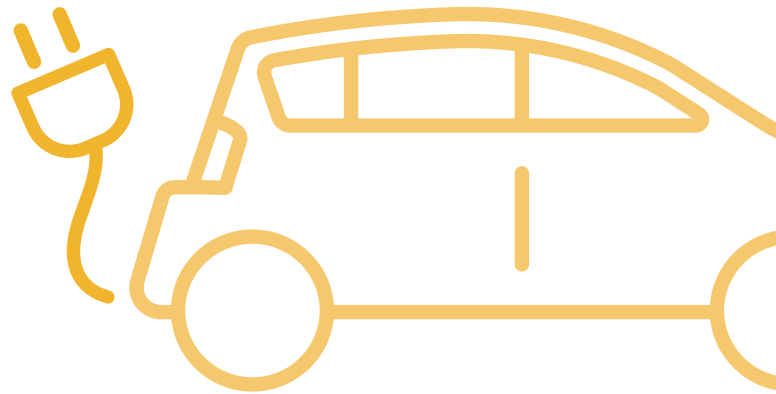
**DRIVERLESS CARS AND ADVANCED TECHNOLOGIES**

The growing number of vehicles with advanced computer software (such as parking assist, advanced cruise control and autonomous emergency braking systems) will continue to generate demand for workers equipped with the skills to work with new technologies.

It may not be long before autonomous vehicles become commonplace, with driverless car trials taking place in NSW in 2018. This may see workers across the industry requiring skills in servicing and maintaining autonomous vehicles and a number of specialist job roles may evolve in this space.

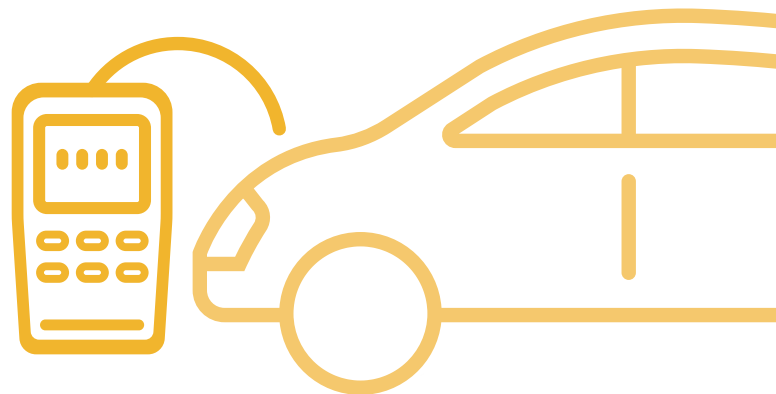
**DIAGNOSTIC SCANNING TOOLS**

As well as impacting vehicle features, new technologies are also changing the tools used in the automotive industry. Workers will need to be skilled in using advanced tools for diagnostics, maintenance and repairs, such as diagnostic scanners to detect faults, test ABS and SRS warning lights as well as brakes and other systems.



**BATTERY ELECTRIC AND HYBRID VEHICLES**

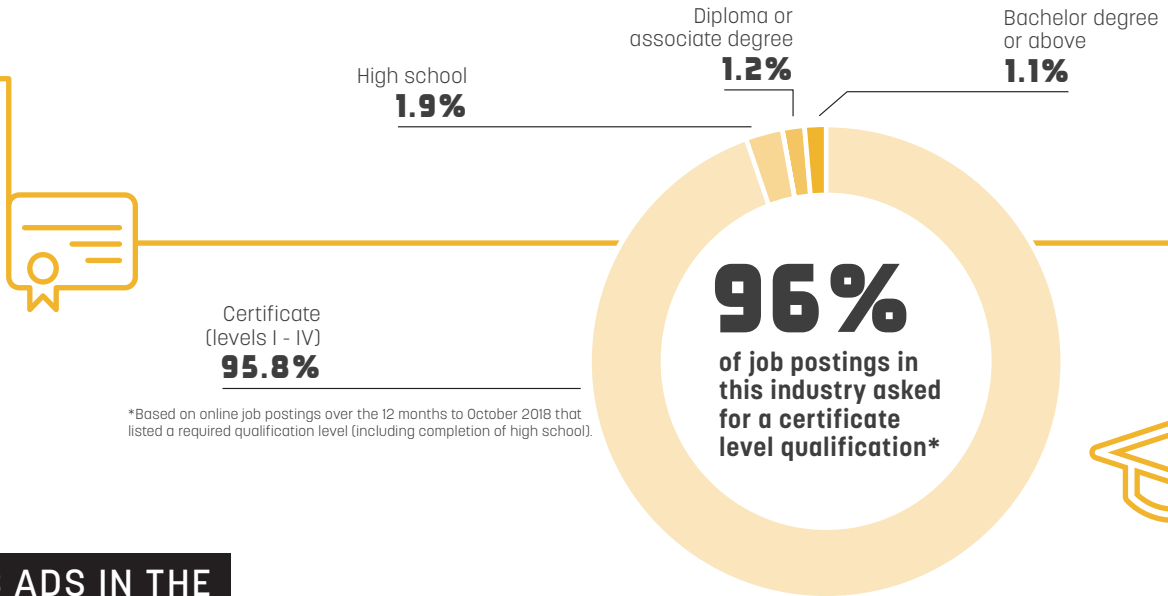
An increasing number of battery electric and hybrid vehicles is likely to drive demand for electrical skills in the automotive industry. The number of job postings in this industry that requested skills in electrical work increased by more than 95% in the last year. This saw electrical skills listed in over 1,400 automotive industry job postings in the year to September 2018.



**SELECT EMPLOYERS  
IN THE INDUSTRY\***

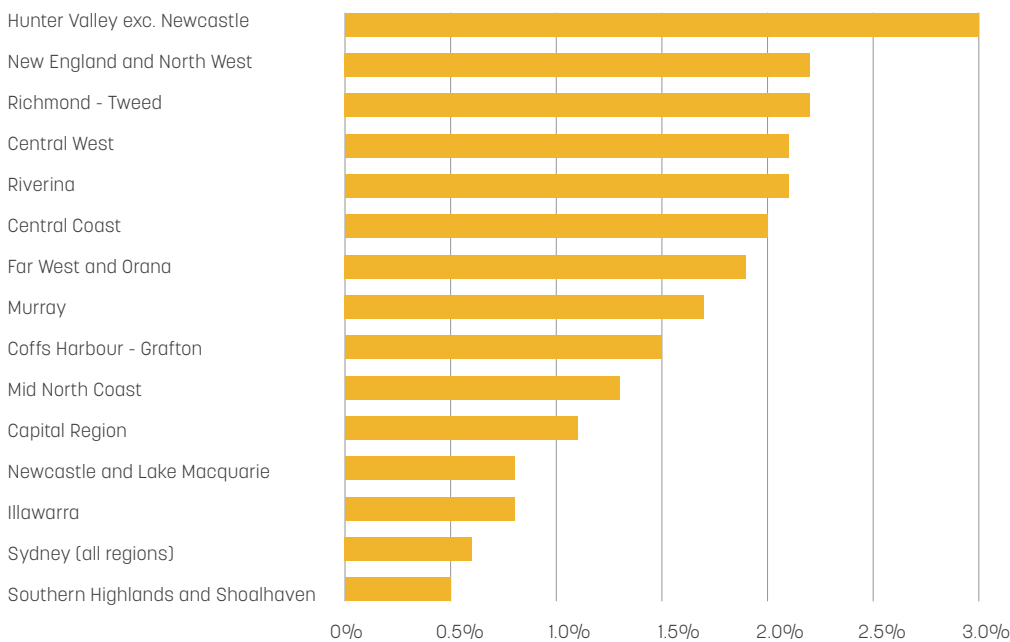
New South Wales Government **WESTRAC** **HITACHI GROUP**  
**CUMMINS INCORPORATED** *Downer EDI*  
*Trivett Pty Ltd*  
**O'BRIEN GLASS** **KMART TYRE & AUTO SERVICE**  
*Sargent* **TOYOTA** *BHP Billiton Limited* *Hitachi Construction Machinery*  
**MOTOR CORPORATION** **COATES HIRE**

\*These employers have been selected based on their job advertisement activity in Australia over a 12-month period to October 2018



## DO JOB ADS IN THE AUTOMOTIVE INDUSTRY ACCOUNT FOR MANY OF THE JOBS ADVERTISED IN MY REGION?

### Automotive industry jobs as % of all job postings in region



### MOTOR MECHANIC



Over the last 12 months, **MOTOR MECHANIC** was the most advertised occupation in the automotive trades and services industry across all regions.

Over the next three years, this occupation is forecast to employ an additional 623 people in NSW.

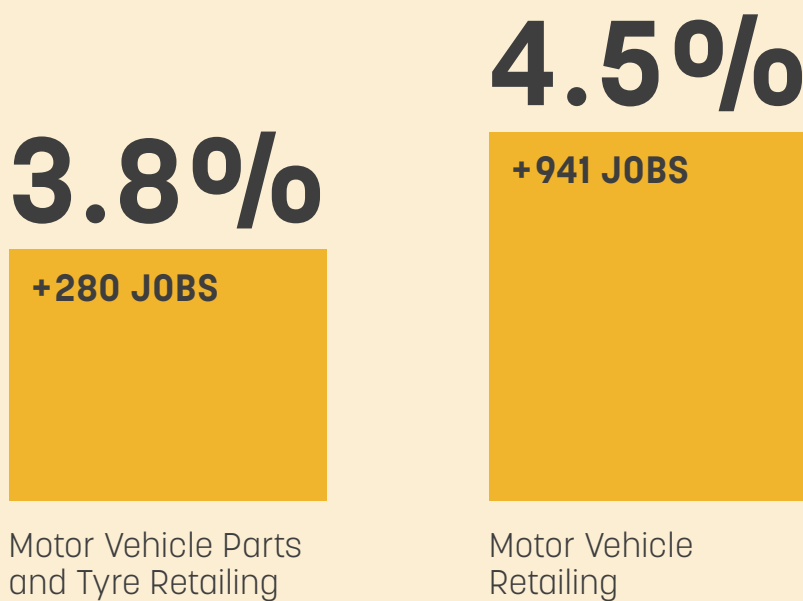
### HUNTER VALLEY EXC. NEWCASTLE REGION



In the **HUNTER VALLEY EXC. NEWCASTLE** region, the maintenance, repair and installation sector (made up mostly of automotive trades and services) accounted for the third most job postings of all sectors in the region.

Which sectors are likely to have the **fastest employment growth** in NSW over the next three years?

## Forecast Employment Change for Growth Sectors [2018-2021]



Customer service skills are vital for employees working in retail sectors of the automotive industry. In the last 12 months, customer service has been listed as a desired skill in more than 830 online job postings in the automotive industry in Australia.

Note: Sectors ranked by largest to smallest (left to right) employing sectors in 2018. Percentages reflect the forecast employment change between 2018 and 2021. The forecast number of additional jobs over this period has also been provided for each sector.

Sources: Industry employment forecast, job advertisement, top skills and qualifications, and employer data have been provided by TAFE Strategy. Employment forecast data was sourced from Deloitte Access Economics in February 2017. All job advertisement data was sourced from the Burning Glass Technologies' Labor Insight™ Real-time Labor Market Information tool and is based on online job postings over a 12-month period to October 2018 unless stated otherwise. Average salary data has been sourced from the Commonwealth Government's JobOutlook website. Skills shortage data has been sourced from the Commonwealth Department of Jobs and Small Business and represents 2017 survey results. Information on the way technology is shaping the industry has been sourced from *PwC's Industry Skills Forecast and Proposed Schedule of Work - Automotive*.

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