

RAC MECHANIC/TECHNICIAN



Do you want to work in a clean, challenging and hi-tech industry that actively encourages women to apply and provides the following opportunities?

- develop specialized skills
- run your own business
- advance your career
- negotiate flexible hours
- strong future growth for employment
- potential to make a substantial income
- embraces changing technology



OVERVIEW OF INDUSTRY

The Electrotechnology industry in Australia includes design, commissioning, installation, testing, fault-finding, servicing, maintenance, assembly and repair of electrical, electronic, computer or climate change equipment, systems, networks and components. It extends across many industry sectors such as industrial, mining, energy, renewables, domestic, commercial, construction, data, communications, fire protection, security, manufacturing, lifts, maritime, as well as refrigeration and air-conditioning and more. The Refrigeration and Air-conditioning sector includes the installation, maintenance and repair of both domestic and commercial heating, ventilation, air-conditioning and refrigeration systems. The HVAC & R workforce is employed in industries such as construction services, food storage and preservation, special climate control environments and general maintenance servicing.

WHAT DOES AN RAC MECHANIC OR TECHNICIAN DO

Refrigeration and air-conditioning mechanics/technicians assemble, install, troubleshoot, service and repair industrial, commercial, and domestic, air-conditioning, refrigeration, freezer and air distribution systems in homes, shops, factories, office buildings, laboratories, data centres, hospitals and unique situations. RAC mechanics/technicians are called to a job and typically, perform their work on-site. The work site may be a new building or renovation site, a residence, a business, a workshop or a large industrial, manufacturing, civil or infrastructure project. RAC mechanics/technicians must qualify to obtain a range of environmental licenses from the refrigeration and air conditioning council as well as hold a restricted electrical license from an electrical regulator to be permitted to work on air conditioning and refrigeration systems.

“I love working as an RAC mechanic because no two jobs are the same, it is challenging, the hours are flexible and I can work towards becoming my own boss”

For further information or advise contact

mae@agrifooditab.com.au
www.uensw.com.au



RAC MECHANIC/TECHNICIAN

Selection Criteria:

- *Well-developed communication and people skills
- *Effective English skills and math's skills
- *Problem Solving skills
- *Ability to work in a team or independently
- *Eye for detail and aesthetic appeal of work
- *Ability to distinguish between colours
- *Positive attitude, punctual, acceptable presentation
- *Physically fit and not afraid of heights, confined spaces, or working on construction sites
- *Practical skills for installing, repairing, and maintaining equipment
- *Understanding of, or interest in regulatory requirements.

SOME OF THE TASKS YOU MAY BE REQUIRED TO DO

- *Interpret diagrams, schematics, technical drawings, standards and specifications
- *Drill holes, install mounting brackets and cut, bend and thread piping
- *Bolt, solder, rivet, weld and braze pipes to connect equipment, and check alignment and accuracy of fit
- *Install, test and commission/decommission heating, air distribution, air conditioning and refrigerant (HVAC&R) systems, equipment and associated parts and components
- *Verify compliance of HVAC&R systems, equipment and associated parts and components to relevant standards or specifications
- *Use test instruments to find faults and ensure specifications are met
- *Repair, service, overhaul, replace, reassemble and modify/adjust existing, faulty, defective or non-compliant HVAC&R systems' components
- *Perform functional tests and checks on HVAC&R, including making adjustments/tuning controls and mechanisms
- *Remove gases and fluids and fill with refrigerant to meet environmental requirements
- *Diagnose and check for operation and compliance heating, air distribution, air conditioning and refrigeration systems, equipment and components
- *Record causes of malfunctioning and action taken
- *Prepare and plan safe work schedule, and where required, quotes or information on jobs

Training Requirements and Pathways

Pre- apprenticeship/traineeship qualification: UEE220111 Certificate II in Electrotechnology (Career Start) or UEE20120 - Certificate II in Split Air Conditioning and Heat Pump Systems, which are the entry level qualifications for new entries and school-based trainees. Traineeships generally take between twelve to twenty-four months to complete.

Apprenticeship qualification: UEE3220 - Certificate III in Air Conditioning and Refrigeration or MEM31319 - Certificate III in Refrigeration and Air Conditioning

You may also need to obtain the following -

- construction induction card (white card)
- driver's license
- aptitude testing.

Refrigeration and Air Conditioning Technicians typically require 4 years to complete the trade apprenticeship and once deemed competent by their RTO are issued the RAC Mechanics/Technicians qualification.

Licences

NOTE: Must qualify to obtain a range of environmental licenses as well as restricted electrical license from the refrigeration and air conditioning council and electrical regulator to be permitted to work on air conditioning and refrigeration systems

Income/opportunities/outlook

The Electrotechnology industry in Australia employs over 352,000 people with strong growth predicted for this occupation. Currently there are over 9,000 jobs for electricians advertised with a projection of 10.9% growth over the next 5 years.

Current wages:

Apprentice: \$45,000-\$66,000

Salary range: \$54,000 - \$130,000 upwards depending on experience, location & employer

Current hourly rate charged by contractor: \$110 per hour

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