

COMMUNICATIONS TECHNICIAN

EDUCATIONAL PATHWAYS

Entry Level

[UEE20720 - Certificate II in Data and Voice Communication](#)

This qualification covers competencies to select, assemble, set up and maintain simple equipment and systems to a prescribed routine Certification of telecommunication cabling in buildings and premises. It includes Australian Communications and media Authority (ACMA) requirements for Open Cabler registration.

[UEE30425 - Certificate III in Data and Voice Communications](#)

This qualification covers competencies to select, install, set up, test, fault find, repair and maintain telecommunications and high-performance data services in buildings and premises. It includes Australian Communications and Media Authority (ACMA) requirements for Open Cabler Registration.

The ACMA cabling licence is a nationally recognized training course providing the required skills and knowledge needed for installing and maintaining telecommunications cabling in buildings and premises, meeting the criteria and standards of the Australian Communications Media Authority (ACMA) Open Cabler Registration. (ACMA) Radio planning and maintenance.

[UEE30920-Certificate III in Electronics and Communications](#)

This qualification covers competencies to select, install, set up, test, fault find, repair and maintain electronic equipment and devices at component/sub-assembly level with options in communications, audio, video and TV, personal computer and networks, security and custom installations.

[UEE30320- Certificate III in Custom Electronics Installations](#)

This qualification covers competencies to select, install, set up and test surround sound, home theatre and integration aspects for 'intelligent houses'. It covers the scope of Custom Electronic Design and Installation Association (CEDIA) Certification level 2.

[UEE40220 - Certificate IV in Electrical - Data and Voice Communications](#)

This qualification covers competencies to select, install, commission, fault find and maintain electrical and communications systems and equipment in building and premises. It includes Australian Communications Media Authority (ACMA) requirements for Open Cabler registration.

[UEE40720 - Certificate IV in Electronics and Communications](#)

This qualification covers competencies in audio/video, data systems and computer/network hardware, medical applications and communication aspects of electronic i.e. transmitters, communications medium/channel, receivers, attenuation and noise reduction. It includes detection/surveillance.

[UEE50520 - Diploma of Electronics and Communications Engineering](#)

This qualification covers competencies to develop, select, commission, maintain and diagnose faults/malfunctions of electronic components/sub-assemblies, apparatus and systems.

[UEE60220 - Advanced Diploma of Electronics and Communications Engineering](#)

This qualification covers competencies to design and validate/evaluate electronics and communication equipment and systems, manage risk, estimate and manage projects and provide technical advice/sales.

For further information or advise contact

www.uensw.au



WOMEN EARNING WHILE LEARNING PATHWAYS 2026

COMMUNICATIONS TECHNICIAN

CAREER PATHWAYS/SPECIALISATIONS

Career pathways for a communications technician may include -

Audio Technician

An audio technician is a person that specializes in bringing out the best from specific sound systems. They can achieve this by using a variety of techniques. They need to select the appropriate sound equipment to utilize the acoustics in the room that they are recording in. They also adjust sound settings by using amplification and equalization. They can also blend different voices and instruments together to create a quality soundtrack or audio output at a concert.

Visual Technician

This job requires specialised skills such as 3D Data Capture or film production for those that want to work in the entertainment industry creating special effects for videos, games, movies and live theatre. You will need to be good at solving problems, a team player and a good communicator. You will be involved in the live production and broadcast environment as well as having access to the numerous real-time and post-production software systems used in production. The ability to travel domestically and internationally may be a requirement of this job.

Data Centre Technician

The purpose of this role is to attend to the day-to-day operations of the data centre by providing high quality & efficient electrical and mechanical maintenance and customer service. Key Responsibilities include; assisting with customer equipment and installations, delivery of cabling needs, electrical and data, to customer racks and areas, attending to remote handset requests, assisting with the maintenance of all electrical and mechanical systems within the centre as well as identifying and rectifying problems relating to the data system.

Detection and Surveillance Technician

This role specialises in electronic security, surveillance and threat detection solutions. Some of the tasks you will be required to do are - conduct installation and commissioning of electronic security equipment/ systems - CCTV - Access Control - Alarms - Intercoms, service and maintain electronic security equipment, inspect electronic security equipment on delivery, inspect electronic security equipment returned for repair and resolve problem.

For further information relating to this job. Click on the industry logos or Scan the QR codes

		
<p>NECA</p> 	<p>PwC skills for Australia</p> 	<p>Australian Communications And Media Authority</p> 
		
<p>NSW EU ITAB</p> 	<p>Australian Data & Insights Association (ADIA),</p> 	<p>Custom Electronic Design & Installation Association (CEDIA)</p> 

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HINTS ON HOW TO APPLY FOR THIS JOB

The 11 steps below outline the process you could follow to assist you to secure an apprenticeship as a communications technician.

Step 1. identify your strengths and weaknesses, especially in maths and literacy as these are essential to being successful in communications technician's career. Intermediate maths with a solid pass mark is the minimum. Additionally, subjects like technical drawing and metalwork, woodwork or engineering will give you some basic hand spatial and situational awareness skills that employers look for.

Step 2. decide where you want to work; are you willing to relocate to get your dream job? There may be more opportunities in cities than in regional areas.

Step 3. do some research, as to who the key employers are in the communications industry and choose the specialisation that you most like then make enquiries to see if they will take on apprentices.

Step 4. research information about these employers or companies that you would like to work for; find out what the entry requirements or essential criteria are that must be met; such as do you need to complete an aptitude or other entry test before getting an interview?

Step 5. make a shortlist of potential prospective employers to contact. You may also like to chat to your job search agent or search some of the online employment agencies such as SEEK, Jobsearch, Indeed or LinkedIn to find job vacancies for audio-visual or data communication technicians in your region.

Step 6. create a quality resume by identifying key elements that should be included therein, and incorporate your academic achievements, experience, interests and passions.

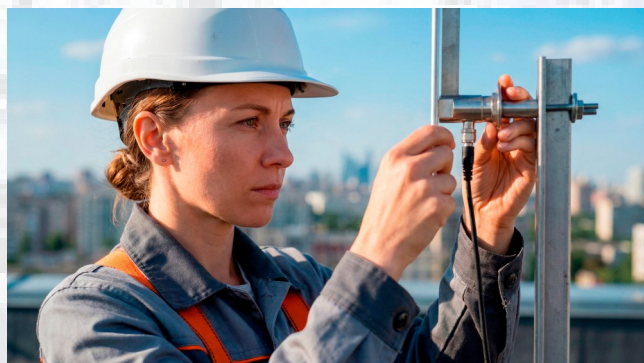
Step 7. identify and practice some interview skills with friends, parents or career advisors to learn tips on how best to perform in an interview.

Step 8. contact potential employers by writing or directly calling them to demonstrate your interest and communication skills. Prospective employers highly value self-starters and prospective career aspirants with initiative who take such steps to seek for themselves employment as an apprentice.

Step 9. talk with the prospective employer about the work they do and if they would be interested in taking you on as an apprentice. If you are still at school, you may be able to take up a school-based apprenticeship. There are opportunities available in some schools that allow you to take on a part-time apprenticeship known as a School-Based Apprenticeship or Traineeship (SBAT). Ask your school if they support this government initiative and ask the employer if they would be interested in such an arrangement. SBATs are a really good way to allow you to finish school and at the same time learn and earn as an apprentice.

Step 10. Your employer should contact the Australian Apprenticeship Support Network (AASNs) - <https://www.australianapprenticeships.gov.au/> for further information on how to sign you up.

Step 11. sign up to your apprenticeship with your employer (and support of your family if you are under 18 years old) to start "learning and earning" to be a communications technician.



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HAVE YOU CONSIDERED THESE RELATED JOBS?



Have you considered these related jobs -

- ⇒ **Business equipment technician**
- ⇒ **Lift mechanic**
- ⇒ **Electrician**
- ⇒ **Electrical fitter**
- ⇒ **Refrigeration and air conditioning mechanic**
- ⇒ **Cable jointer**
- ⇒ **Powerline technician**
- ⇒ **Electronics technician**
- ⇒ **Computer systems technician**
- ⇒ **Instrumentation technician**
- ⇒ **Gas networks technician**

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