



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 Cabling Registration.

Key Learning Outcomes

- » ACMA Restricted & Open Cabling Registration
- » Install & terminate Copper, Fibre & Aerial data cabling (Combined Endorsements)
- » Assembly and setup of IOT devices & equipment
- » Design and Configuration of voice & data communications (VOIP)
- » Setup and configuration of LAN networks
- » Setup and configuration of Wireless Networks & Wireless Meshing
- » Applying safe working practices within telecommunications industry

The successful completion of this qualification requires competency to be achieved in all Core Units AND Elective units to achieve a total of 1060 weighting points.

1. Open Registration Units

UEECD0007	Apply work health and safety regulations, codes and practices in the workplace (C)
UEECD0019	Fabricate, assemble and dismantle utilities industry components (C) *
UEEDV0005	Install and maintain cabling for multiple access to telecommunications (C) *
UEECD0043	Solve problems in direct current circuits (C) *
UEECD0020	Fix and secure eletrotechnology equipment (C) *
UEECD0051	Use drawings, diagrams, schedules, standards, codes and specifications (C) *

2. Fundamental Units

UEECD0016	Document and apply measures to control WHS risks associated with electrotechnology work (C) *
UEECO0074	Troubleshoot resonance circuits in an electronis apparatus (C) *
UEECD0025	Lay wiring/cabling and terminate accessories for extra-low voltage (ELV) circuits (C) *
UEERE0001	Apply environmental and sustainable procedures in the energy sector (C) *

3. Combined Endorsements

UEEDV0008	Install, modify and verify coaxial and structured communication copper cabling (C) *
UEEDV0006	Install and modify optical fibre performance data communication cabling (C) *

4. Assemble and Setup Devices and Equipment

UEECS0003	Assemble, set up and test computing devices (E) *
UEEDV0001	Assemble and connect telecommunications frames and cabinets (E)

5. Design and configure Voice & Data Communications (VoIP)

UEECO0012	Participate in voice and data communications work and competency development activities (C)
UEEDV0004	Install and connect data and voice communications equipment (C) *
UEEDV0014	Test, report and rectify faults in data and voice installations (C) *
UEEDV0009	Select and arrange data and voice equipment for local area networks (C) *

6. Design and configure LAN and Wireless Networks

UEECO0015	Provide quotations for installation or service jobs (E)
UEECD0028	Plan an integrated cabling installation system (E) *
UEECS0029	Set up and configure basic local are network (LAN) (E) *
UEEDV0011	Set up and configure basic data communication systems (E) *
UEEDV0012	Set up and configure the wireless capabilities of communications and data storage devices (E) *

*This unit contains pre-requisites, please see our website for further information.

Entry Requirements.....

There are no formal entry requirements, however people who are colour blind may not be appropriate for this qualification. Additionally, students will be required to complete an language, literacy and numeracy assessment as part of the enrolment process.

Duration.....

This qualification is delivered over 13-24 months.

Cost.....

Fee for Service: \$5,500
Please note student tuition fees are indicative only and are subject to change given individual circumstances at enrolment. Additional fees may apply such as student service and resource fees.

Funding.....

Funding: Individuals and or employers may be eligible for Government funding and or incentives.