



**Australian
National
University**

Position Description

College/Division:	ANU College of Science
Faculty/School/Centre:	Research School of Astronomy and Astrophysics
Department/Unit:	Anglo-Australian Telescopes (AAT) Unit
Position Title:	Electronics Technician
Classification:	ANU Officer Grade 4/5 (Technical)
Position No:	New
Responsible to:	Electronics Manager
Number of positions that report to this role:	0
Delegation(s) Assigned:	

PURPOSE STATEMENT:

Operated by the Research School of Astronomy and Astrophysics, the Anglo-Australian Telescope (AAT) and the UK Schmidt Telescope (UKST) are located at Siding Springs Observatory (SSO) near Coonabarabran, NSW. Siding Springs Observatory is home to Australia's largest optical observatory, supporting research for The Australian National University's Research School of Astronomy and Astrophysics (RSAA), consortium members of the AAT, and several national and international telescopes.

The Electronics Technician directly support high-quality research by designing, installing and maintaining experimental equipment and apparatus for the research programs.

KEY ACCOUNTABILITY AREAS:

Position Dimension & Relationships:

Reporting to the Electronics Manager, and working in a small team environment, the Electronics Technician provides specialist support for electronic and electro-mechanical equipment and scientific instruments to support to the AAT. They will be expected to hold and maintain an awareness of current technologies in electronic systems.

They will maintain professional working relationship with a variety of cross functional staff, academic staff and students within the AAT, RSAA and more broadly with staff in related fields across the University.

Role Statement:

Under the general direction of the Electronics Manager, the Electronics Technician will:

1. Perform fault finding, repair and maintenance on a broad range of electronic and electro-mechanical equipment on scientific instruments ensuring all equipment is ready for installation on the telescope.
2. Assist with electronic upgrades to the AAT's flagship instruments, as well as other complex systems upgrades to the telescope.
3. Contribute to the design, construction and modification of electronic circuitry.
4. Maintain sufficient inventory of all electronic components and other equipment.
5. Prepare documentation, reports and recommendations associated with electronic facilities.
6. Provide assistance to support the general operations of the AAT and UKST including but not limited to actively participating in instrument and top end changes, planned aluminising activities, supporting observers, and repairing/maintaining telescopes.
7. Maintain awareness of Work Health and Safety legislation and support a safe work environment for staff and/or contractors through the implementation and use of safe work procedures and reporting incidents, exposures, hazards or health and or safety concerns in accordance with University procedure.
8. Comply with all ANU policies and procedures, and in particular those relating to work, health and safety and equal opportunity.
9. Undertake other duties as required, consistent with the classification of the position and consistent with the principles of multiskilling.

SELECTION CRITERIA:

1. An associate diploma or equivalent combination of relevant experience and education/training.
2. Demonstrated ability to develop, diagnose maintain and repair a broad range of electronic equipment to component level within a scientific environment.
3. Excellent written and oral communication skills with the demonstrated ability to work individually and harmoniously as part of a team and the capacity to liaise effectively with staff, students and contractors from a diverse range of backgrounds and experience.
4. Well-developed organisational skills with demonstrated experience working to deadlines, prioritising own work, using initiative and judgement in the achievement of operational outcomes.
5. A demonstrated understanding of equal opportunity principles and policies and a commitment to their application in a university context.

ANU Officer Levels 4 and 5 are broadbanded in this stream. It is expected that at the higher levels within the broadband occupants, through experience, will have developed skills and expertise enabling them to more independently perform the full range of duties at a higher level, and that more time will be spent on the more complex functions of the position

Delegate Signature:**Date:**

April 2018

Printed Name:

Position:**References:**[Professional Staff Classification Descriptors](#)