

Position Description – Electronics Engineer

Updated 18-Feb-2026

POSITION DETAILS	
College	College of Science and Engineering
Organisational Unit	College Services - Technical Services
Supervisor	Manager, Engineering and Manufacturing Services
Classification	Higher Education Officer Level 6
Employment Type	Continuing, Full Time

POSITION SUMMARY
<p>Under general to broad direction, Electronics Engineer provides quality and timely support to staff and students within the College of Science & Engineering through delivery of electronic engineering services in the Engineering and Manufacturing Services Team. These services include the design, construction, commissioning, advice, instruction, and documentation activities required to support Science & Engineering programs of study and research activities.</p> <p>As well as actively managing projects, the electronics engineer is expected to develop sound engineering solutions that meet client needs, conform to relevant standards and are designed for efficient and cost-effective manufacture.</p>

UNIVERSITY EXPECTATIONS AND VALUES
<p>All staff at Flinders are responsible for understanding their obligations and responsibilities as set out in the University's code of conduct and are expected to:</p> <ul style="list-style-type: none"> • demonstrate commitment to the University's values of Integrity, Courage, Innovation, Excellence and the underlying ethos of being Student Centred; • contribute to the efficient and effective functioning of the team or work unit in order to meet the University's objectives. This includes demonstrating appropriate and professional workplace behaviours, providing assistance to team members if required and undertaking other key responsibilities or activities as directed by one's supervisor; • promote and support an inclusive workplace culture which values diversity and embraces the principles of equal opportunity; • perform their responsibilities in a manner which reflects and responds to continuous improvement; and • familiarise themselves and comply with the University's <i>Work Health and Safety, Injury Management and Equal Opportunity</i> policies. <p><i>A Nationally Coordinated Criminal History Check (NCCHC) which is satisfactory to the University will be required by Flinders University before the successful applicant can commence in this position.</i></p>

KEY POSITION RESPONSIBILITIES

The Electronics Engineer is accountable for:

1. Assisting the Manager – Engineering and Manufacturing Services in the delivery of technical projects and services for teaching and research in accordance with College priorities.
2. Designing, developing, constructing and commissioning highly specialised electronic apparatus from general specifications in consultation with stakeholders and team-members.
3. Providing advice, recommendations and feedback to staff & students on the operation of equipment, safety and practical engineering design considerations within teaching, research and other College supported activities.
4. Liaising with outside organisations and contractors on complex technical matters.
5. Carrying out repairs, maintenance and calibration to commercial & in-house constructed laboratory and workshop equipment.
6. Performing administrative functions associated with design documentation, purchasing of specialised technical items and test, calibration & maintenance records.
7. Preparing Workplace Health & Safety and compliance related documentation and supervision of the systems of safety on one or more teaching laboratories.
8. Developing Risk Assessments, Safe Work Procedures, and test & calibration procedures.
9. Develop and promote sustainable practices within the laboratory and workplace.
10. Any other responsibilities in line with the level of the role as assigned by the Supervisor and/or the University

KEY POSITION CAPABILITIES

- Degree qualification in Electronics Engineering with relevant experience.
- Eligible for Engineers Australia membership.
- Experience and knowledge with the development of complex PCB designs taking into account Signal Integrity and Design for Manufacture.
- Demonstrated knowledge, experience and skill in development and programming of embedded systems.
- Excellent hand skills and proven ability to perform constructional assembly, rework and repair of electronic assemblies and light mechanical apparatus.
- Skilled in reading and understanding schematic diagrams, manufacturer data and technical manuals.
- Ability to liaise with a broad range of staff and students together with a demonstrated enthusiasm for customer service and the support of other team members.
- Project leadership, scoping and planning skills
- Demonstrated ability to apply initiative, judgement and prioritisation in a busy team environment.
- Project experience with data acquisition using LabVIEW™ (desirable).
- Experience developing and implementing advanced control system algorithms (desirable).
- Experience with industrial sensors and actuators (desirable).
- A working knowledge of regulatory requirements and industry standards (desirable).