

Position Title	Principal Mechanical Engineer
Group/Portfolio	Campus Life
Classification	Individual Contract
Position Number	00061876
Reports To	Associate Director, Engineering Services
Employment Type	Continuing

1.0 Position Purpose

The Principal Mechanical Engineer position is part of the Engineering Services team and works closely with the other Engineers, Engineering Staff, Capital Works and Minor Projects (CWMP) staff, Campus Facilities Managers and Major Projects and Planning staff. The role will use expert knowledge to lead University-wide initiatives with regard to the development of future needs and support the existing and new mechanical equipment and services. As a subject matter expert, this role will mentor and lead the Mechanical Engineering team. The role will ensure that air conditioning, chilled water systems, general ventilation, specialist ventilation systems including fume cupboards, laboratory gases, etc are aligned with the University strategic goals and guidelines.

2.0 Eligibility Requirements

- Hold a degree in mechanical engineering recognised in Australia with demonstrated ability to technically brief, design review, deliver and manage energy efficient and cost-effective mechanical services systems based on a “whole of life” approach.
- Have extensive post graduate experience in building services engineering specialising in air conditioning, and laboratory system design, familiar with relevant standards and codes of practice
- RPEQ registered

2.0 Key Responsibilities

- Ensure that the design and installation of mechanical services complies with the University’s Design Guidelines and the design brief for mechanical services.
- Develop and deliver mechanical services design briefs for all new and refurbishment building projects, minor works and maintenance projects.
- Consult with the project managers within the Capital Works and Minor Projects (CWMP) team and Major Projects team to provide strategic and technical advice to facilitate optimal outcomes for university projects at all stages of the project cycle from briefing,

through design, construction/installation, commissioning and defects liability and warranty periods.

- Oversee project handover procedures including detailed review of O&M manuals, as built drawings, witnessing of commissioning, verifying commissioning results and asset lists.
- Effectively manage relevant mechanical works contracts and projects as required, including on smaller projects, where agreed with the Associate Director Engineering Services, acting as the Superintendent's Representative under the Contract during the construction phase of a project ensuring the contract is executed in accordance with the prescribed conditions of contract.
- Engage with and manage Consultants working for the University to ensure University requirements are met.
- Act as subject matter expert for health and safety matters relating to mechanical services including writing and reviewing relevant documentation.
- Act as subject matter expert for the maintenance and operation of assets. Including analysis and review of the Planned, Preventative and Maintenance Schedules, contributing to contract procurement activities and providing technical support to the Facilities Management team.
- Develop and implement strategies to ensure the mechanical services infrastructure has the capacity to meet the developing demands on each campus and that future mechanical services infrastructure is planned
- Lead the asset management strategy for the mechanical infrastructure including identifying condition and developing maintenance and upgrade strategies with due consideration of sustainability issues.
- Liaise with consultants, clients and local authorities to keep abreast of legislative requirements, new developments and best practice and amend Design Guidelines to reflect same.
- Lead the mechanical engineering team and the building management systems team; mentor graduate mechanical engineer and other team members.
- Take all reasonable precautions to ensure the personal safety of others is not put at risk. Report any hazards or incidents including near misses and injuries using Statutory and University Policies and Procedures. Engage with external audit consultants to ensure a full audit process is documented.
- Lead and promote compliance with relevant legislation and University policies and procedures, including equity and health & safety and exhibit good practice in relation to same.
- Be a leading example of the principles and values embodied in the University's Code of Conduct, and behave, act and communicate at all times to reflect fairness, ethics and professionalism.

4.0

Key Capabilities

- Griffith University identifies the attributes of resilience, flexibility, creativity, digital literacy and entrepreneurship as critical to our graduates' success, in the rapidly changing future world of work. We have established a Griffith University Capability Development Framework to provide a common language of some of the non-technical organisation skills that will support our staff to thrive now and into the future. The Capability Development Framework will assist you to understand the current skill level of this position in the non-technical but critical skill domains that are increasingly important in a changing workplace context.
- To read about some of the non-technical organisation skills for this position, please see the "Leads Others" section of our [Capability Development Framework](#).
- Campus Life identifies three key capabilities required to fulfil roles: Management, Technical and Service. The Capability (People) Framework – Campus Life, will assist you to understand the knowledge and service activities required of this position.