

POSITION DESCRIPTION



Position	Senior Technical Officer- Engineering & Energy
Level/Classification	HEW0606
Reports to	Team Leader Engineering and Energy
Unit	College Professional Services – Operations & Technical Services
Directorate	College Professional Services
Positions Supervised	0

Position Purpose

To support the College of Science Technology, Engineering and Mathematics, especially in the School of Engineering and Energy through the delivery of technical engineering services that promote the teaching, learning outcomes and research of academics and students.

About Murdoch University

Murdoch University is a young and dynamic university with a foundational commitment to the environment, social justice and inclusion, and making education accessible to more people. Founded as Western Australia's second university in 1974, today, Murdoch has more than 21,000 students and 1,700 staff across campuses in Perth, Singapore and Dubai. With more than 90,000 Alumni, Murdoch graduates can be found all over the world, making a positive difference.

Our Strategy – Ngala Kwop Bididi. Building a brighter future, together – guides the University's direction and reaffirms our shared purpose to change lives and society for the better through accessible education and research.

The Strategy is focused on three key themes:

- Sustainability: Be a leading university in education, teaching and translational research in sustainability.
- Equity, Diversity, and Inclusion: Build a welcoming, diverse and inclusive community.
- First Nations: Become the University of first choice for First Nations peoples.

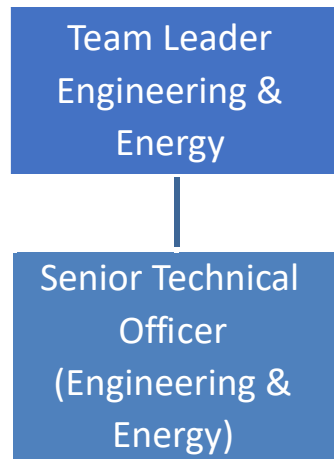
Murdoch is also committed to building engagement with our local community, State, nation, and global society with a track-record in creating strong partnerships with business, government and industry.

About the Work Area

The Engineering and Energy technical group has the responsibility for operating and maintaining undergraduate teaching labs and facilities along with preparing, developing, designing and constructing experiments. Whether teaching, research or external engagement activities the group manages the technical requirements that service the needs of the University community.

Reporting Relationships

(Use diagram to describe the position's reporting relationships. Please note bullet points or names should not appear.)



Key Responsibilities/Duties

1. Maintain Engineering and Energy teaching, learning, and research facilities and associated systems, including the preparation, and maintenance of standard operating procedures for equipment, processes, and tasks for undergraduate and postgraduate teaching requirements.
2. Construct, maintain and design teaching, research, and educational systems in collaboration with Academics to meet teaching and learning requirements.
3. Provide technical services and assistance to Engineering and Energy students, academics and other members of the University community when required.
4. Manage and deliver training for students and academics on the operation of Engineering Workshop equipment/machinery.
5. Undertake the acquisition and supply of parts and equipment necessary for the delivery of teaching and research activities.
6. Provide advice to support procurement activities.
7. Diagnose faults, maintain, and repair equipment used for research and teaching, including industrial measurement and process control, renewable energy, metrology, data acquisition and other systems.
8. Oversee the implementation of safe systems of work in accordance with Work, Health and Safety legislation, and University policy and procedures.
9. Carry out, and assist with, miscellaneous activities as requested.
10. Complete all administration, recording and reporting associated with works undertaken.

Selection Criteria

Essential

Criteria should address:

1. Undergraduate degree in Electrical Engineering or a related field or relevant electrical, engineering experience and/or a combination of education and relevant training.
2. Experience in the diagnosis of faults relating to engineering and energy systems including computer-based measurement, control, and electrical/electronic equipment and systems.
3. Ability to provide for the design, construction, repair electrical and electronic sensors, instrumentation and equipment, and assist in the provision of training in the safe use/operation of this equipment.
4. Experience in, and knowledge of, Work Health and Safety specifically relating to engineering workshops and facilities as well in the use of electrical, electronic, instrumentation.
5. Demonstrated sound judgement and initiative to successfully meet work objectives on time and within budget limits.
6. Service oriented, can-do attitude, ability to listen effectively, work as part of a team and independently.
7. Knowledge of physical systems with the ability to solve problems, select appropriate scientific and industrial instruments and controls, and developing novel methods and solutions where required.
8. Experience in working in an engineering facility.
9. Minimum of a restricted electrical worker's licence.
10. A commitment to equity, social justice principles, self-learning and willingness to engage in further training.

Desirable

1. Experience working in a mechanical workshop.
2. Current licence to perform high risk work (Forklift Truck).
3. Be familiar with teaching and learning environments.

Work Requirements

(Insert essential work requirements. Examples include:)

1. Current "C" class driver's licence.
2. Ability to work outside of normal office hours when required.
3. Be able to provide evidence of appropriate vaccination or immunity in accordance with the University's Immunisation Policy. (Please check the Immunisation Policy if the role requires this)

General Obligations

- While at work, an employee must:
- take reasonable care for their own health and safety and ensure that their acts or omissions do not adversely affect the health and safety of other persons;
- report incidents, injuries and hazards;
- comply with any reasonable instruction that is given by Murdoch University; and
- comply with Murdoch University policies and procedures.

Guiding Principles and Values/Code of Ethics and Code of Conduct

Our Values

- Authenticity
- Integrity
- Respect
- Inclusivity
- Openness

Our Principles

- Act with justice, respect and responsible care.
- Be collegiate and respectful of other points of view.
- Protect academic freedom.
- Be agile, flexible and resilient.
- Make decisions at the most appropriate level.
- Be transparent in decision-making and with information.
- Adopt common approaches to common tasks.
- Be careful stewards of our resources.

All staff will comply with the University's Code of Ethics and Code of Conduct and demonstrate a commitment to its Equity, Diversity and Safety principles and the general capabilities of personal effectiveness, working collaboratively and demonstrating a focus on results.

All Staff complete a Development Review Annually. A Commencing Development Review should be completed within 3 months of commencement.

We acknowledge that Murdoch University is situated on the lands of the Whadjuk and Binjareb Noongar people. We pay our respects to their enduring and dynamic culture and the leadership of Noongar elders past and present. The boodjar (country) on which Murdoch University is located has, for thousands of years, been a place of learning. We at Murdoch University are proud to continue this long tradition.