STANDARD TEACHING AND RESEARCH POSITION DESCRIPTION

Position	Senior Lecturer in Engineering
Level/ Classification	ACSLC
Reports to	Head of School of Engineering & Energy
Division	Engineering and Energy
College	Science, Technology, Engineering & Mathematics

Position Purpose

A Senior Lecturer (Level C) is expected to have developed a strong research focus, evidenced by research outputs in quality research publications. A commitment and capacity to attract external research funding is also expected. This position makes a significant contribution to the teaching effort of the Discipline through the preparation and delivery of lectures and tutorials, program coordination, and supervision of honours and postgraduate students. Academic staff at this level will also be involved in a broad range of administrative and service functions in the College and across the University, and professional activities within the discipline. This role is within the Industrial Control & Automation Engineering discipline and will be expected to teach units within this area, including at undergraduate and postgraduate levels. The units may include specific discipline units as well as more general first year engineering. While the position is based at the South St campus, the position also includes teaching offshore at one of our partner institutions in China and a successful candidate must be prepared and willing to travel and teach offshore for 4-6 months each year.

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 Biddi. 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:

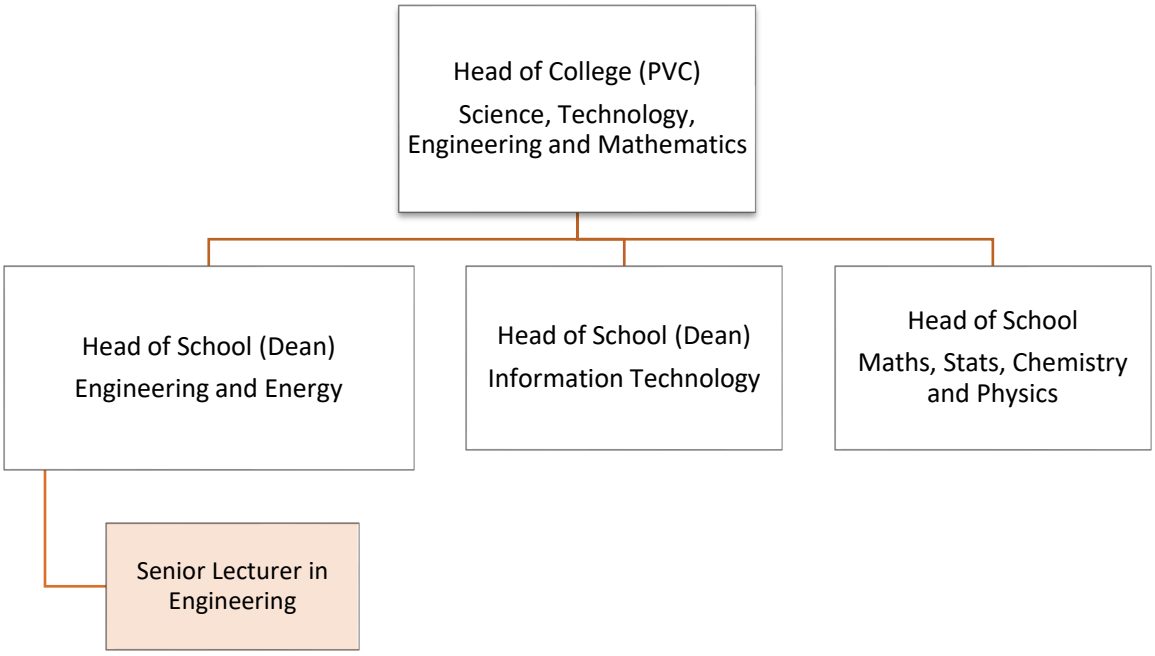
- Sustainability: Be a leading university in education, teaching and translational research in sustainability.
- Equity, Diversity, and Inclusion: Build a welcoming, diverse and inclusive community.
- First Nations: Become the University of first choice for First Nations peoples.

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

Engineering is an academic discipline within the School of Engineering and Energy. The Engineering team teach key and emerging areas of Engineering at the undergraduate and postgraduate levels. We specialize in Environmental Engineering, Electrical and Renewable Energy Engineering and industrial Control & Automation Engineering. Industrial Control & Automation Engineering at Murdoch highlights a strong **practical, industry-relevant learning approach**, built around authentic, workshop-based activities that develop hands-on technical and professional skills. The area includes a focus on **control theory and control systems**, including **PLC and SCADA systems**, aligned with real-world design, commissioning, and implementation needs in local industry sectors. More broadly, Murdoch Engineering is **nationally recognised** and has a strong track record of student outcomes, including high rankings in QILT for **overall quality of educational experience** in Engineering. Engineering is taught at the Murdoch campus and offshore.

Reporting Relationships



Key Responsibilities / Duties

1. Make a significant contribution to independent research by producing quality publications and developing an international profile.
2. Make a significant contribution to the University's success in grant activity. This includes making applications for external competitive research funds with corresponding levels of success. If appropriate, lead a research team.
3. Make a significant contribution to teaching, including preparing and delivering lectures, tutorials, seminars, practical classes, demonstrations, workshops, student field excursions, clinical sessions and studio sessions, and marking and assessments.
4. Teach Engineering units internationally at parter organizations.
5. Develop and practice innovative teaching and learning methods.
6. Consult with, and provide advice to, undergraduate, postgraduate and HDR students.
7. Initiate and develop course material and undertake course and program coordination.
8. Supervise honours and/or postgraduate research projects, as well as postgraduate course work.
9. Make a significant contribution to the College, the University, the profession and the discipline.

10. Play a major role in planning or committee work at the College and University level.
11. Undertake broad administrative functions.
12. Participate in the University's Academic Contribution Development Review (ACDR).
13. Undertake such other duties as determined by the Head of School.

Selection Criteria

Essential

1. A PhD in an area relevant to the appointment.
2. A minimum of 3 years of demonstrated experience in teaching at the undergraduate and postgraduate level in Industrial Control & Automation Engineering.
3. Ability and willingness to travel and work internationally (4-6 months each year, two trips)
4. Demonstrated ability to work under broad direction only, exercise initiative in undertaking responsibilities, work effectively as a team member and play a leadership role in teaching and learning activities.
5. Demonstrated success in generating high-quality independent research outputs with national recognition and a developing international profile.
6. A track record of success in obtaining and successfully managing external competitive grant funds.
7. Demonstrated experience in teaching control theory and control systems, including PLC & SCADA Systems
8. Demonstrated success in supervising honours, postgraduate and HDR students.
9. Demonstrated knowledge of contemporary approaches to curriculum and pedagogy.
10. Demonstrated experience and success in innovative course and program coordination and design.
11. Well-developed interpersonal skills, past success in working effectively as a member of an interdisciplinary and collegial team, and the ability to take on a leadership role at the College level.
12. Demonstrated high levels of written and oral communication skills in English.

Desirable

1. Experience in industry and/or consulting with a focus on designing, commissioning, and implementing industrial control and automation systems that meet the specific needs of local industry sectors.

Work Requirements

1. Australian permanent residency or possession of a valid visa with work entitlement in Australia.
2. The occupant of this position will be required to undertake a criminal record check in accordance with the University's Criminal Record Screening Procedure.
3. A willingness and ability to travel internationally on a regular basis.
4. Ability to work outside of normal office hours when required.

Probationary Review

This position may be subject to a probationary period, during which time the academic staff member is required to meet set probationary objectives and pass a probationary review. Probationary objectives are set following appointment to the position and confirmed at the first Academic Contribution Development Conversation (ACDC).

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 undergoing a probation period are required to set probationary objectives with their leader 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.