



## Position Description

<b>College/Division:</b>	College of Engineering & Computer Science
<b>Position Title:</b>	Lecturer/Senior Lecturer/Associate Professor
<b>Classification:</b>	<b>Academic Level B/C/D</b>
<b>Responsible to:</b>	Professor

### PURPOSE STATEMENT:

The ANU College of Engineering and Computer Science is dedicated to contributing to The Australian National University's reputation for excellence in research and research-led education, bringing together expertise across a range of areas to reimagine the role of engineering and computing for future generations.

This position is to support the College Dean to shape an agenda to transform the way science and technology are integrated with communities and society in the 21<sup>st</sup> century. This includes reimagining the physical environment, research, teaching and collaborative spaces on campus, helping us to create an inviting and cohesive College precinct for our staff and students

### KEY ACCOUNTABILITY AREAS:

#### About the Reimagine Project:

The Dean of the ANU College of Engineering and Computer Science is leading the Reimagine Project, a new type of engineering and computing, one that is custom built and fit for the middle of the 21st century. This is an interdisciplinary venture, with the aim to attract the very best and brightest from around the world to find and solve problems – not just engineers or computer scientists but the brightest minds both from industry and academia, with varied backgrounds and areas of expertise.

The purpose of this appointment is to:

- Support the establishment of an innovative, interdisciplinary, outwardly-focused research program;
- Support the development of partnerships with industry and engage with the wider research community to embed progressive engineering and computing research and education capabilities;
- Contribute to development of modern, unique programs that are globally relevant to equip our students with diverse and multidisciplinary skills.

### Position Dimension & Relationships:

The position will be accountable to the Professor with close collaborations with the College Dean, Deputy Dean, industry, government and other academic and professional staff across the University.

As an academic, the role involves the conduct of independent and/or team research activities appointment in a highly diverse and collaborative environment; strong contributions to teaching and learning at both postgraduate and undergraduate levels; a commitment to the effective administration of the College; and a strong engagement in cross discipline studies within the College and the broader University environment, to integrate efforts and build critical mass in progressing the agenda of the Reimagine Project, at a level appropriate to appointment.

The staff member is expected to contribute cooperatively to the overall intellectual life of the College and University.

### Role Statement:

#### Academic Level B

Specific duties required of a **Level B Academic** may include:

1. Undertake independent research activities in a relevant area in alignment to the strategies of the Reimagine Project.
2. Take an active role in seeking and generating resources to support the development of deep and transformational disciplinary expertise to round out into core engineering and computing areas, through engagements with a range of funding bodies and also through the preparation of a combination of multi-

party collaborative research proposals such as the Australian Research Council (ARC), industry funds and approved consultancy arrangements. Contribute to the sharing of this new body of knowledge through Technology and/or a combination of these research areas that are strategically complementary to the existing expertise of the College with a view to publishing original, innovative and multi-disciplinary results in international refereed journals, present research at academic seminars and at a national and international conferences, and collaborate with other researchers at an international level.

3. Supervise students working on individual or group projects at undergraduate, honours, graduate-coursework levels. Assist with supervision of research students.
4. Supervise less senior academic staff and research support staff in your research area.
5. Actively contribute to all aspects of the operation of the School.
6. Assist in outreach activities including to prospective students, research institutes, industry, government, the media and the general public.
7. Maintain high academic standards in all education, research and administration endeavours.
8. Take responsibility for their own workplace health and safety and not wilfully place at risk the health and safety of another person in the workplace.
9. Other duties as required consistent with the classification level of the position.

#### Academic Level C

Specific duties required of a **Level C Academic** may include:

1. Undertake high impact independent research activities in a relevant area in alignment to the strategies of the Reimagine Project.
2. Make a strong contribution to the sharing of this new body of knowledge through Technology and/or a combination of these research areas that are strategically complementary to the existing expertise of the College with a view to publishing original, innovative and multi-disciplinary results in international refereed journals, present research at academic seminars and at a national and international conferences, and collaborate with other researchers at an international level.
3. Take an active role in seeking and generating resources to support the development of deep and transformational disciplinary expertise to round out into core engineering and computing areas, through engagements with a range of funding bodies and also through the preparation of a combination of multi-party collaborative research proposals such as the Australian Research Council (ARC), industry funds and approved consultancy arrangements. Where appropriate, oversee the financial management of grants received for research projects.
4. Supervise students working on individual or group projects at undergraduate, honours, graduate-coursework levels. Supervision of research students.
5. Contribute to mentoring and career development of less senior academic in alignment with the performance development process at the ANU.
6. Proactively contribute to all aspects of the operation of the School and College. This may include representation through committee membership
7. Lead outreach activities including to prospective students, research institutes, industry, government, the media and the general public.
8. Maintain and actively promote high academic standards in all education, research and administration endeavours.
9. Take responsibility for their own workplace health and safety and not wilfully place at risk the health and safety of another person in the workplace.
10. Other duties as required consistent with the classification level of the position.

#### Academic Level D

Specific duties required of a **Level D Academic** may include:

1. Undertake high impact independent research activities in a relevant area in alignment to the strategies of the Reimagine Project.
2. Significant involvement in the sharing of this new body of knowledge through Technology and/or a combination of these research areas that are strategically complementary to the existing expertise of the College with a view to publishing original, innovative and multi-disciplinary results in international refereed journals, present research at academic seminars and at a national and international conferences, and collaborate with other researchers at an international level.

3. In collaboration with senior academics, hold a key role in seeking and generating resources to support the development of deep and transformational disciplinary expertise to round out into core engineering and computing areas, through engagements with a range of funding bodies and also through the preparation of a combination of multi-party collaborative research proposals such as the Australian Research Council (ARC), industry funds and approved consultancy arrangements. Where appropriate, oversee the financial management of grants received for research projects.
4. Establish and maintain relationships with industry, government and the wider research community to enhance cross-disciplinary collaborations and support the translation of research outcomes into applications.
5. Make a strong contribution to the teaching activities of the College at the undergraduate and graduate levels. This includes, but is not limited to, course coordination including the development of and responsibility for curriculum/programs of study.
6. Supervise students working on individual or group projects at undergraduate, honours, graduate-coursework levels. Supervision of research students.
7. Manage and provide leadership through team development, mentoring and career development of less senior academic in alignment with the performance development process at the ANU.
8. Proactively contribute to all aspects of the operational of the College and University and assist in outreach activities including to prospective students, research institutes, industry, government, the media and the general public.
9. Lead and initiate community outreach activities including to prospective students, research institutes, industry, government, the media and the general public.
10. Maintain and actively promote high academic standards in all education, research and administration endeavours.
11. Take responsibility for their own workplace health and safety and not wilfully place at risk the health and safety of another person in the workplace.
12. Other duties as required consistent with the classification level of the position.

## **SELECTION CRITERIA:**

### Academic Level B:

1. A PhD or equivalent that is relevant to the broad disciplines of engineering and computer science, or a related area, with a strong track record of independent research as evidenced by research outputs in industry, government or academic environments.
2. Evidence of the ability to contribute to the strategic priorities and activities of the Reimagine project, including a commitment to enhancing diversity.
3. A strong orientation to collaborative research, team-based projects and interdisciplinary activities and interests.
4. An ability and commitment to win bids for competitive external funding (if relevant in your industry) to support individual and collaborative research activities.
5. Excellent communication skills with the ability to inspire a wide range of audiences, including in a cross-disciplinary areas and to foster respectful and productive working relationships with staff, students and colleagues at all levels.
6. Evidence of effective teaching, training or mentoring (if relevant in your industry) and of the ability to contribute significantly to setting the education agenda of the College.
7. Capacity to foster graduate student education and inspire undergraduate students along with a commitment to outreach activities involving the general community, schools, public sector, industry and the wider research community.
8. Ability to mentor and develop colleagues to achieve goals in alignment with the College's strategic priorities, particularly in relation to building a diverse and inclusive community life.
9. A demonstrated high-level understanding of equal opportunity principles and a commitment to the application of these policies in a University context.

Academic Level C:

1. A PhD or equivalent that is relevant to the broad disciplines of engineering and computer science, or a related area, with a strong track record of independent research as evidenced by high impact research outputs in industry, government or academic environments.
2. Proven ability to contribute to the strategic priorities and activities of the Reimagine project, including a commitment to enhancing diversity.
3. A strong orientation to collaborative research, team-based projects and interdisciplinary activities and interests.
4. A record of winning bids for external funding (if relevant in your industry) to support individual and collaborative research activities, and the ability to identify similar opportunities for others to pursue and to provide mentoring in the process.
5. Outstanding communication skills with the ability to inspire a wide range of audiences, including in a cross-disciplinary areas and to foster respectful and productive working relationships with staff, students and colleagues at all levels.
6. Evidence of effective teaching, training or mentoring (if relevant in your industry) and of the ability to contribute significantly to setting the education agenda of the College.
7. Capacity to foster graduate student education and inspire undergraduate students along with a commitment to outreach activities involving the general community, schools, public sector, industry and the wider research community.
8. Ability to provide leadership to early-career researchers and to mentor and develop colleagues to achieve goals in alignment with the College's strategic priorities, particularly in relation to building a diverse and inclusive community life
9. A demonstrated high-level understanding of equal opportunity principles and a commitment to the application of these policies in a University context.

*Consistent with their relative to opportunity to do so, a **Level C Academic** will normally have a relevant doctoral qualification or equivalent accreditation and standing together with subsequent research experience. This may not apply to candidates coming from different fields such as industry or government. Once in the role, there will be an expectation of academic excellence, making an outstanding contribution to research and, in this particular position, the ability to collaborate with internal and external stakeholders outside of your domain*

Academic Level D:

1. A PhD or equivalent that is relevant to the broad disciplines of engineering and computer science, or a related area, with a strong track record of independent research as evidenced by high impact research outputs in industry, government or academic environments.
2. Proven capacity to contribute to the strategic priorities and activities of the Reimagine project, including a commitment to enhancing diversity.
3. A strong orientation to collaborative research, team-based projects and interdisciplinary activities and interests.
4. A strong record of leading and winning bids for external funding (if relevant in your industry) to support individual and collaborative research activities, and the ability to identify similar opportunities for others to pursue and to provide mentoring in the process.
5. Outstanding communication skills with the ability to inspire a wide range of audiences, including in a cross-disciplinary areas and to foster respectful and productive working relationships with staff, students and colleagues at all levels.
6. Evidence of effective teaching, training or mentoring (if relevant in your industry) and of the ability to contribute significantly to setting the education agenda of the College.
7. Capacity to foster graduate student education and inspire undergraduate students along with a commitment to outreach activities involving the general community, schools, public sector, industry and the wider research community.
8. Ability to provide leadership to early-career researchers and to mentor and develop colleagues to achieve goals in alignment with the College's strategic priorities, particularly in relation to building a diverse and inclusive community life
9. A demonstrated high-level understanding of diversity and inclusion principles and a commitment to the application of these policies in a University context.

*Consistent with their relative to opportunity to do so, a **Level D Academic** will normally have a relevant doctoral qualification or equivalent accreditation and standing together with subsequent research experience. This may not apply to candidates coming from different fields such as industry or government. Once in the role, there will be an expectation of academic excellence, making an outstanding contribution to research and, in this particular position, the ability to collaborate with internal and external stakeholders outside of your domain*

A position at this level will require a demonstrated strong record of research output in academia, industry or government.

<b>Supervisor Signature:</b>		<b>Date:</b>	
Printed Name:		<b>Uni ID:</b>	

**References:**

Academic Minimum Standards