

Associate Professor

Department/Unit	Various
Faculty/Division	Faculty of Engineering
Classification	$140,565 - $154,853 pa Level D (plus 17% employer superannuation)
Employment Type	Full-time
Duration	Continuing appointment
Work location	Clayton campus
Closing Date	Sunday 30 September 2018, 11:55 pm AEST

Organisational context

Monash is full of thinkers and doers who are looking for their next challenge. So if you've forged a rewarding career so far, this role provides the perfect platform to join us. You'll have access to quality research facilities, infrastructure and teaching spaces to do exciting work, along with opportunities to collaborate internationally. You'll be part of a university that's made up of inspirational, challenging thinkers and doers – and continue doing work that makes a lasting impact. Discover more at www.monash.edu.

The **Faculty of Engineering** is one of the largest in Australia, renowned worldwide for the quality and calibre of our teaching, research and graduates. We offer a comprehensive range of undergraduate, graduate, postgraduate and higher degree by research programs in a wide range of engineering disciplines. Our research activities provide a platform for establishing a thriving educational enterprise and our staff are committed to creating a dynamic learning environment. The research activities range from fundamental studies to research with a strong applications orientation. To learn more about the Faculty of Engineering, please visit our website.

The following areas represent, but should not be viewed as limiting, our areas of interest:

- functional food
- 2D materials
- electronic materials including photovoltaics and low-power wearable systems
- ceramics
- polymers
- energy storage
- membranes
- artificial tissue
- biomaterials
- chemically dynamic processing
- machine learning for materials design and development

All appointments will be made to the most relevant department and where appropriate, candidates will be jointly appointed to multiple departments.

Position purpose

An Associate Professor is expected to make significant national leadership contributions to the teaching, research, industry engagement and professional activities of the Faculty of Engineering. An academic at this level is expected to play a leading role in scholarship, be a nationally recognised leader in their research field, attract significant funding streams to support research and enhance the intra-departmental collaboration

efforts of the faculty. Academics at Associate Professor Level may be appointed in recognition of distinction in their disciplinary area and will be expected to play a significant role within their profession and their discipline

The Faculty of Engineering has a strong commitment to diversity, inclusion and flexibility in the workplace. The Faculty aims to improve gender diversity among academic staff and has gender equity targets for shortlisting candidates.

Reporting Line: The position reports to the relevant Head of Department

Supervisory responsibilities: Not applicable

Financial delegation: Not applicable

Budget responsibilities: Not applicable

Key responsibilities

Specific duties required of a Level D academic may include:

1. The conduct of tutorials, practical classes, demonstrations, workshops, student field excursions, clinical sessions and studio sessions
2. Using best practice methodologies drive educational innovation through the initiation, development and review of course material
3. Course coordination and course content and delivery enhancement, including the preparation and delivery of lectures and seminars, and the design, implementation and review of educational innovations including offering guidance to assistant lecturers and supervision of sessional staff in teaching unit/s as required
4. Consultation with students including marking and assessment of coursework and guidance on areas of development
5. The conduct of original inter-disciplinary research and leadership of research teams
6. Contribution to scholarly debate within the profession, production of high quality research that has industry relevance and presentation of research results at national and international forums leading to the attraction of external and government funding.
7. Supervision of the program of study of honours students and of postgraduate students engaged in course work, and supervision, support and guidance to major honours or postgraduate research projects
8. Involvement in professional activities such as networking and industry events to enhance relationships and drive collaboration and funding opportunities
9. Chair and contribute to departmental, school and/or faculty meetings and play a major role in planning or committee work
10. Broad administrative functions; the majority of which are connected with the department in which the academic teaches

Key selection criteria

Education/Qualifications

1. The appointee will have:
    - a doctoral qualification and recognised significant experience in the relevant discipline area

Knowledge and skills:

2. Demonstrated experience and proven ability in undertaking outstanding cross-disciplinary research and taking a lead role in research, scholarship and teaching matters
3. A strong publication record in high-quality refereed journals, conferences, equivalent textbooks or teaching resources
4. Evidence of securing significant nationally-competitive grants and/or other sources of funding for research
5. Demonstrated record of successfully supervising postgraduate research students to completion and the ability to make a significant contribution to postgraduate training programs
6. Demonstrated excellence in the development and delivery of high quality teaching and curriculum, at the undergraduate and postgraduate level
7. High-level written and verbal communication skills and proven ability to establish a good working relationship with colleagues and students, and to develop and maintain strong professional links with relevant industry business, government agencies and professional bodies and the community

8. Proven ability to plan, organise and achieve work targets, sometimes in demanding circumstances, and work harmoniously and constructively with academic colleagues and other University staff
9. Proven professional leadership qualities and capacity for administrative responsibilities, and a willingness to make a substantial contribution to all activities of the department and faculty, including: mentoring, leadership on committees, administration and planning
10. Proven ability to promote the discipline internally within the university as well as externally both nationally and internationally

Other job related information

- Travel and block teaching to other campuses of the University may be required
- There may be peak periods of work during which taking of leave may be restricted

Legal compliance

Ensure you are aware of and adhere to legislation and University policy relevant to the duties undertaken, including: Equal Employment Opportunity, supporting equity and fairness; Occupational Health and Safety, supporting a safe workplace; Conflict of Interest (including Conflict of Interest in Research); Paid Outside Work; Privacy; Research Conduct; and Staff/Student Relationships.