



# Associate Professor

<b>Department/Unit</b>	Chemical Engineering
<b>Faculty/Division</b>	Engineering
<b>Classification</b>	Level D
<b>Work location</b>	Clayton campus
<b>Date document created or updated</b>	May 2018

## Organisational Context

Everyone needs a platform to launch a satisfying career. At Monash, we give you the space and support to take your career in all kinds of exciting new directions. You'll have access to quality research, infrastructure and learning facilities, opportunities to collaborate internationally, as well as the grants you'll need to publish your work. We're a university full of energetic and enthusiastic minds, driven to challenge what's expected, expand what we know, and learn from other inspiring, empowering thinkers. Discover more at [www.monash.edu](http://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.

Chemical Engineering at Monash embraces challenges faced by society at the food-energy-water nexus, biotechnology, medicine, and sustainable processing. We are looking for individuals interested in taking advantage the excellent multidisciplinary research environment at Monash University including opportunities such as the Monash Institute for Medical Engineering (MIME), Monash Infrastructure (MI), Monash Food Innovation Centre (MFIC), Melbourne Centre for Nanofabrication (MCN), Monash Energy Materials and Systems Institute (MEMSI), and Monash Sustainable Development Institute (MSDI). We are also located next to and collaborate with the Australian Synchrotron and the Commonwealth Scientific and Industry Research Organization (CSIRO). We are also interested in academics interested in research on teaching and learning and its applications to curriculum development in chemical engineering and broad-based introductory first year engineering courses.

## 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.

**Reporting Line:** The position reports to the Head of Chemical Engineering

**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/or recognised significant experience in the relevant discipline area

### **Knowledge and Skills**

2. Demonstrated experience and proven ability in undertaking cross-disciplinary research and engage in research, scholarship and teaching matters
3. Demonstrated publication record in high-quality refereed journals, conferences, equivalent textbooks or teaching resources
4. Potential to secure significant nationally-competitive grants and/or other sources of funding for research
5. Potential to successfully supervising postgraduate research students to completion
6. Demonstrated experience or the ability to develop and deliver teaching and curriculum, at the undergraduate and postgraduate level, with positive student feedback
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, including administration and planning
10. Proven ability to promote the discipline internally within the university as well as externally at a national level

## **Other Job-Related Information**

- Travel 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.