



ASSOCIATE PROFESSOR

DEPARTMENT/UNIT	Chemical Engineering
FACULTY/DIVISION	Faculty of Engineering
CLASSIFICATION	Level D
DESIGNATED CAMPUS OR LOCATION	Clayton campus

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 **Department of Chemical Engineering** aims to provide high quality Chemical Engineering education, research and professional services globally for the mutual benefit of the students, the staff, the University, industry, the profession and the wider community. We offer several undergraduate degrees as well as postgraduate coursework degrees via Off-Campus Learning. The Department actively pursues innovative and significant multi-disciplinary research to address the challenges for engineering in the 21st century. For more information about us and the work we do, [please visit our website](#).

Monash University and the Department of Chemical Engineering [strongly advocates diversity, equality, fairness and openness](#). We fully support the gender equity principles of the [Athena SWAN Charter](#) and invite you to join us in celebrating [women in STEMM](#).

The Faculty aims to improve diversity among academic staff and has gender equity targets for shortlisting candidates.

POSITION PURPOSE

A Level D academic is expected to make a significant contribution to all activities of the organisational unit or interdisciplinary area and play a significant role within their profession or discipline. Academics at this level may be appointed in recognition of distinction in their disciplinary area.

The Associate Professor will contribute to course coordination and the teaching efforts across both Bachelors and Masters programs at the Faculty of Engineering, as well as drive aligned research activities, including engaging in government and industry collaborations both nationally and internationally.

The position is open to all areas of Chemical Engineering. Areas of particular interest include particle technology, process controls, artificial intelligence, and machine learning. The successful candidate will be expected to play a lead role in research projects, and drive activities to enable the Department and Faculty to maximise opportunities arising from the Robotics Precinct (Process Controls) and/or the Smart Manufacturing Precinct (Particles and Process Controls), as well as cultivate and support student incubator projects, student teams, and/or the Student Pilot Plant.

Reporting Line: The position reports to the Head of Department

Supervisory Responsibilities: Not applicable

Financial Delegation: Not applicable

Budgetary Responsibilities: Not applicable

KEY RESPONSIBILITIES

Specific duties required of a Level D academic may include:

1. The preparation and delivery of lectures, tutorials, practical classes, demonstrations, workshops, and clinical sessions
2. Initiation and development of course materials
3. Course coordination including offering guidance to assistant lecturers and supervision of sessional staff in teaching unit/s if required
4. Consultation with students and supervision of PhD, honours and postgraduate students
5. Preparation and assessment of student assignments and examinations
6. Conduct of original research that will lead to publications in refereed journals or with high level academic or commercial publishers and attract external and government funding
7. Play a significant role in research projects including, where appropriate, leadership of a research team
8. Significant contribution to the profession and/or discipline both nationally and internationally
9. Other duties as directed from time to time

KEY SELECTION CRITERIA

Education/Qualifications

1. The appointee will have:
 - A doctoral qualification in Chemical Engineering and/or recognised significant experience in the relevant discipline area

In determining experience relative to qualifications, regard shall be had to teaching experience, experience in research, experience outside tertiary education, creative achievement, professional contributions and/or contributions to technical achievement. In addition, a position at this level will normally require a record of demonstrable scholarly and professional achievement in the relevant discipline area.

Knowledge and Skills

1. A strong publication record in high-quality journals or equivalent and outstanding contribution to the discipline
2. Successful track record in obtaining external research grants
3. Record of successful supervision of postgraduate research students and the ability to make a significant contribution to postgraduate training programs
4. Demonstrated excellence in teaching in the relevant discipline area (i.e. through evaluations, innovation in presentation and through curriculum development)
5. Demonstrated ability to mentor staff and students
6. High level of interpersonal skills and a proven ability to establish good working relationships with colleagues, students and members of community and professional bodies
7. Demonstrated leadership in committees and other administrative work and portfolios
8. Proven ability to promote the discipline internally within the university as well as externally both nationally and internationally
9. A demonstrated capacity to work in a collegiate manner with other staff in the workplace

OTHER JOB RELATED INFORMATION

- Travel to other campuses of the University may be required
- There may be a requirement to work additional hours from time to time
- There may be peak periods of work during which taking of leave may be restricted
- A current satisfactory Working With Children Check is required

GOVERNANCE

Monash University expects staff to appropriately balance risk and reward in a manner that is sustainable to its long-term future, contribute to a culture of honesty and integrity, and provide an environment that is safe, secure and inclusive. Ensure you are aware of and adhere to University policies relevant to the duties undertaken and the values of the University. This is a standard which the University sees as the benchmark for all of its activities in Australia and internationally.