



# LECTURER

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

## ORGANISATIONAL CONTEXT

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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. 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

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A Level B academic is expected to make contributions to the teaching effort of the university and to carry out activities to maintain and develop her/his scholarly, research and/or professional activities relevant to the profession or discipline.

The Lecturer will contribute to course coordination and the teaching efforts across both Bachelors and Masters programs at the Faculty of Engineering. 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 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

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Specific duties required of a Level B academic may include:

1. The conduct of tutorials, practical classes, demonstrations, workshops, student field excursions, clinical sessions and/or studio sessions
2. Initiation and development of subject material
3. Acting as subject coordinators
4. The preparation and delivery of lectures and seminars
5. Supervision of the program of study of final year students or of postgraduate students engaged in course work
6. Supervision of major final year or postgraduate research projects
7. The conduct of research
8. Support of their own research program
9. Involvement in professional activity
10. Development of course material with appropriate advice from and support of more senior staff
11. Marking and assessment
12. Consultation with students
13. A range of administrative functions the majority of which are connected with the subjects in which the academic teaches
14. Attendance at departmental, school and/or faculty meetings and/or membership of a number of committees
15. Other duties as directed from time to time

## KEY SELECTION CRITERIA

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### Education/Qualifications

1. The appointee will have:
  - A doctoral qualification in Chemical Engineering or another relevant discipline area or equivalent accreditation and standing

## **Knowledge and Skills**

2. Possess a high level of interpersonal skills and demonstrated ability to work independently and as part of a team across both the education and service sectors
3. Demonstrated statistical analysis and manuscript preparation skills; including developing a solid track record of refereed research publications
4. Ability to work positively and cooperatively with students, internal and external teams and external organisations
5. Demonstrated strong record of teaching experience in a tertiary environment
6. Demonstrated ability to motivate, actively engage and educate a given audience
7. Demonstrated experience in curriculum and subject material development
8. Proven ability, commitment and passion for engaging in scholarly and research activities
9. A demonstrated capacity to work in a collegiate manner with other staff in the workplace

## **OTHER JOB RELATED INFORMATION**

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- 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**

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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.