

Position Description – Lecturer in Chemistry (Energetic Materials)

Updated 21 November 2025

POSITION DETAILS

College	College of Science and Engineering
Organisational Unit	Physics & Molecular Sciences
Supervisor	Dean, People and Resources (or Delegate)
Classification	Academic Teaching & Research (Balanced) Level B
Employment Type	Continuing, full-time

POSITION SUMMARY

The Lecturer will, under routine to general supervision, produce quality research and deliver undergraduate and/or postgraduate teaching in the broad area of chemistry with specific focus on energetic materials.

The teaching component includes the development of innovative teaching materials, multi-mode teaching delivery, including face to face and online, and other innovative and contemporary teaching and learning strategies, appropriate for the discipline.

The incumbent will make independent high-quality contributions to research and/or creative activity, through activities such as quality publications, external grant acquisition and research student supervision.

The incumbent will also contribute to strengthening existing partnerships or exploring new partnerships with external stakeholders that have potential for providing improved teaching, learning and/or research outcomes for the University.

The incumbent will prioritise, coordinate, monitor workflow and provide informal day-to-day feedback to research support staff and casual academic teaching staff according to the University's policies, practices and standards.

UNIVERSITY EXPECTATIONS AND VALUES

All staff at Flinders are responsible for understanding their obligations and responsibilities as set out in the University's code of conduct and are expected to:

- demonstrate commitment to the University's values of Integrity, Courage, Innovation, Excellence and the underlying ethos of being Student Centred;
- contribute to the efficient and effective functioning of the team or work unit in order to meet the University's objectives. This includes demonstrating appropriate and professional workplace behaviours, providing assistance to team members if required and undertaking other key responsibilities or activities as directed by one's supervisor;
- promote and support an inclusive workplace culture which values diversity and embraces the principles of equal opportunity;
- perform their responsibilities in a manner which reflects and responds to continuous improvement; and
- familiarise themselves and comply with the University's Work Health and Safety, Injury Management and Equal Opportunity policies.

KEY POSITION RESPONSIBILITIES

The Lecturer in Chemistry (Energetic Materials) is accountable for:

- Planning and delivering ethical, high quality and innovative research in areas relevant to chemistry of energetic materials through activities such as quality publication, external grant acquisition, scholarship and presentation that aligns with the College's areas of research strength.
- Contributing to the organisation, planning, delivery and evaluation of teaching primarily within the suite of chemistry and physics related undergraduate and/or postgraduate topics/courses with particular focus on topics associated with energetic materials, through topic coordination, delivery of lectures, tutorials, laboratories, placements or other contemporary teaching strategies.
- Delivering inspiring and innovative teaching informed by approaches that enhance the student experience and support students with academic and/or other challenges impeding their academic progress.
- Focusing and contributing to supervision of research student programs.
- Actively participating in College internal and external quality assurance and accreditation processes.
- Actively participating in high performing multi-disciplinary teams with an education and research focus and contribute to the development of a respectful, trusting and collaborative working environment.
- Developing and maintaining strategic relationships and networks with a range of stakeholders including industry and professional associations and organisations.
- Actively contribute to the integration and management of aspects of the academic and administrative life of the College.
- Some out of hours work (including weekends) as well as rural SA, interstate and overseas travel, may be required.
- Any other responsibilities in line with the level of the position as assigned by the Supervisor and/or the University.

A Nationally Coordinated Criminal History Check (NCCHC) which is satisfactory to the University will be required by Flinders University before the successful applicant can commence in this position.

This position requires the successful applicant to hold (or be eligible to obtain) an NV1 (Negative Vetting Level 1) Security Clearance.

KEY POSITION CAPABILITIES

- Completion of a PhD in an area of chemistry, physics or material science that is relevant to energetic materials, or equivalent qualification.
- Demonstrated evidence of, or capacity to, undertake high quality teaching in a tertiary environment broadly in chemistry and physics with specific focus on topics relevant to energetic materials, including involvement in topic coordination and curriculum design.
- Demonstrated evidence of a strong research track record (for career stage) in an area relevant to energetic materials that aligns with College research strengths including evidence of quality publications and the attraction of significant external competitive grants.
- Demonstrated understanding of the nexus between teaching and learning, research and scholarship.
- Demonstrated excellent oral and written communication skills and interpersonal skills, including the demonstrated ability to establish effective relationships with staff, students and industry.
- Demonstrated experience and successful track record in supervision of honours and higher degree students (Desirable).
- Demonstrated capacity to contribute to leadership in the area of curriculum reviews and internal and external accreditation activities. (Desirable)