

Lecturer

Ecole/Institution/Société:

Newcastle University, United Kingdom / Newcastle upon Tyne

Discipline:

Chemical Engineering

Type d'emploi::

Full-time

Date de publication:

2022-03-30

Personne à contacter:

If you wish to apply for this position, please specify that you saw it on AKATECH.tech

Lecturer in Chemical Engineering

We are a world class research-intensive university. We deliver teaching and learning of the highest quality. We play a leading role in economic, social and cultural development of the North East of England. Attracting and retaining high-calibre people is fundamental to our continued success.

Salary: Lecturer Grade F £35,845 - £40,332 per annum

Lecturer Grade: G £41,526 - £49,553 per annum

The Role

The School of Engineering is seeking to appoint a new Lecturer in Chemical Engineering. The School of Engineering is widely recognised for the quality of its teaching, research and industry engagement. As a School that strives to provide an outstanding educational experience, rooted in strong engineering disciplines, this position provides a significant opportunity for a highly motivated and productive individual to develop his/her academic career, within a supportive and successful environment.

Chemical Engineering is one of the core disciplines of the School with multidisciplinary expertise that spans the sciences and engineering. We welcome applicants to join our vibrant academic community that is truly pushing the teaching and research boundaries of fundamental and applied chemical engineering into new and exciting applications such as the future of energy, sustainability, healthcare, advanced manufacturing and process design.

Expertise in your field should be matched by a strong research record, or potential to develop into an independent researcher of international quality, that builds on our strengths in advanced materials, chemical reaction, catalysis, electrochemical engineering, or the design and development of novel process technologies. However, the principal criteria will be research and teaching quality, regardless of research area.

You will have growing international visibility, and contribute to the full spectrum of academic activities, including research, teaching and leadership, in a School that is committed to creating an inclusive environment, where staff and students are valued and respected and have equal opportunities to succeed.

We believe that a rich mix of people with different backgrounds will help us to create a Discipline in

which intellectually ambitious academics will want to work and create a collegiate environment. Our diverse staff attracts a broad range of bright, active and engaged students.

Specifically, a greater diversity in our staff will:

- bring new ideas and different perspectives to both teaching and research;
- refresh our engagement and challenge our thinking;
- enhance our collegiate experience and make us a more effective team;
- provide more diverse role models, attract a wider range of students and enhance our pastoral care.

We are keen to attract applicants who:

- will actively contribute to all aspects of the Discipline, and the School;
- have a strategic approach and see a wide range of options in their own work and the work of the School;
- are enthusiastic and committed to new ventures and innovations in teaching.

All applicants who fulfil the criteria are welcome. We are keen to offer opportunities, where possible, to people from groups who are currently underrepresented, such as women and individuals from black or Asian backgrounds. All applications will be considered on the merits, experience and qualifications of the candidate as these relate to the requirements and specifications of the post.

For informal enquiries contact Prof Steve Bull Acting, Director of Chemical Engineering Discipline: steve.bull@newcastle.ac.uk

Further information on the School of Engineering can be found here

- Additional information can be found on the following Group Webpages;
- Advanced Materials and Electrochemical Engineering Science
- Materials, Concepts and Reaction Engineering
- Process Intensification
- Key Accountabilities

We are committed to a diverse, inclusive and supportive environment. We therefore welcome applications from any aspiring talented individual within our domain.

- Develop and deliver a research program and activity in an area of recognized excellence, in collaboration with, or in an area compatible with the interests of academic staff in the Groups within the Discipline of Chemical Engineering. This includes, setting your research agenda, attracting sustained funding through appropriate sources, developing and managing research staff and supervision of research students.
- Develop and sustain a leading national and international reputation for research and education by regular dissemination of your findings through leading peer reviewed publications, major conferences and engagement with relevant stakeholders eg Industry, local communities, external discipline committees.
- Deliver teaching of the highest quality across safety and sustainability modules within the Chemical Engineering programs, using appropriate delivery methods that create interest and enthusiasm amongst students. Set and mark assessments, providing constructive feedback to students. Candidates do not need experience in safety and sustainability teaching but must be willing to develop a strong teaching portfolio in these areas that meets accreditation requirements.
- Take on appropriate academic management roles to support the administration, development and enhancement of teaching, learning and research strategies within the group, Discipline, School and Faculty

- Perform other duties as required by the academic group lead, Director of Discipline and / or Head of School.

Person Specification

- Knowledge, Skills and Experience

Essential

- Experience and knowledge in areas relevant to chemical engineering
- Strong track record of published research at the forefront of the field
- Evidence of dissemination of research outputs and / or learning approaches with the academic and wider community (eg national, international conferences, seminars and similar high profile events)
- Evidence of developing research proposals and seeking research funding, either individually or as part of a team
- Experience of successful engagement in funded research and taught programme components.

Desirable

- Teaching, lecturing or assessment experience at undergraduate or postgraduate level, which may include laboratory sessions
- Experience of recruiting, supervising and motivating different types of students
- Track record of collaboration with relevant industries in research and/or education programmes
- Evidence of introducing new insights to the content, delivery, or assessment of educational programmes.
- Effective time management and prioritisation skills to balance the potentially conflicting demands of teaching, research and administration; and the ability to meet deadlines.
- Evidence of effective management of individual or team based projects, and successful task completion
- Excellent collaborative, interpersonal and team working skills, resolving tensions/difficulties if they arise, and engaging/signposting pastoral care as appropriate

Attributes/Behaviours

Essential

- Ability to meet the University's standard for submission to the Research Excellence Framework (REF) and Teaching Excellence Framework (TEF)
- Excellent skills in communication, both verbally and in writing, to communicate new and complex information to a target audience
- Ability to contribute to the teaching of safety in the Chemical Engineering degree programme

Demonstrable commitment to our values:

- Professionalism and Academic Excellence
- Transparency and Accountability
- Equality, Diversity and Inclusivity
- Collaborative and Multi-disciplinary
- Ambition and aspiration
- Motivation and Passion
- Inquisitive, Creative and Imaginative
- Integrity and Respect

- Social Responsibility

Desirable

- Ability to create ideas for attracting undergraduate and postgraduate students for the taught programmes
- Willingness and ability to work in interdisciplinary research and teaching environments
- Through good networking skills, the ability to develop productive links with fellow professionals from other organisations and agencies, with whom the University interacts, notably representatives of organisations funding or collaborating in research and professional bodies or societies

Qualifications

Essential

- A good Bachelor's or Master's degree (or equivalent experience) in a relevant subject area
- A PhD (or equivalent experience) in a relevant subject area

Desirable

- A recognised qualification or equivalent experience in teaching in higher education

Newcastle University is committed to being a fully inclusive Global University which actively recruits, supports and retains colleagues from all sectors of society. We value diversity as well as celebrate, support and thrive on the contributions of all our employees and the communities they represent. We are proud to be an equal opportunities employer and encourage applications from everybody, regardless of race, sex, ethnicity, religion, nationality, sexual orientation, age, disability, gender identity, marital status/civil partnership, pregnancy and maternity, as well as being open to flexible working practices.

The University holds a silver Athena SWAN award in recognition of our good employment practices for the advancement of gender equality. The University also holds the HR Excellence in Research award for our work to support the career development of our researchers, and is a member of the Euraxess initiative supporting researchers in Europe.

We understand how important the full employment package is to our colleagues at Newcastle University and we are committed to providing a great range of benefits and discounts for all. You can learn more about what is available here on our Benefits Website page.

Requisition ID: 10641

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