

## Candidate Information

<b>Position:</b>	Lecturer (Education) in Chemical Engineering
<b>School/Department:</b>	School of Chemistry and Chemical Engineering
<b>Reference:</b>	25/112405
<b>Closing Date:</b>	Monday 17 February 2025
<b>Salary:</b>	£43,605 - £60,284 per annum
<b>Anticipated Interview Date:</b>	Friday 28 February 2025
<b>Duration:</b>	5 years

### JOB PURPOSE:

The successful applicant will contribute to the delivery of undergraduate and postgraduate Chemical Engineering course(s) in the School of Chemistry and Chemical Engineering. The applicant will engage with the teaching, organisation and administration of Chemical Engineering and related courses within the School: coordinating modules, delivering lectures, practical classes, leading seminars, conducting tutorials and participating in educational activities as required.

### MAJOR DUTIES:

#### Teaching:

1. Teach Chemical Engineering at undergraduate and postgraduate level, informed by a thorough knowledge of core Chemical Engineering topics, with emphasis on net zero and sustainability.
2. Utilise a range of teaching methods, including the use of digital education platforms, in the design and delivery of teaching and assessment activities in Chemical Engineering.
3. Develop approaches to teaching and learning, which are appropriate for the subject area and deliver outstanding learning outcomes.
4. Supervise student research projects which may involve an extensive range of topics both inside and outside the post-holder's own specialist area.
5. Select appropriate assessment instruments and criteria, assess the work and progress of students accordingly and provide constructive feedback.
6. Seek ways of improving performance by reflecting on teaching design and delivery, through analysis of feedback.
7. Contribute to the development and coordination of content modules as required, and align to curriculum development.

#### Administration/Contribution to the Community:

1. Carry out administrative duties associated with teaching commitments, including assessment.
2. Provide pastoral care for students within own area to ensure that all issues are dealt with in a timely, sympathetic and effective manner.
3. Be responsible for the record-keeping associated with teaching and the preparation of teaching materials.

### ESSENTIAL CRITERIA:

1. Primary degree in Chemical Engineering, or closely related discipline.
2. Hold or about to complete a PhD in Chemical Engineering or a closely related discipline.
3. Experience in delivery of core Chemical Engineering content to undergraduate and/or postgraduate students.
4. Demonstrable teaching experience using a range of teaching methods to Chemical Engineering students at UG and PGT levels in a UK or Irish HE/FE institution, within the last 4 years. This may include lecturing, tutorial delivery, laboratory demonstration, seminar teaching or supervision of research projects.
5. Experience of using digital platforms in the teaching of Chemical Engineering.
6. Demonstrable experience in providing pastoral care to students.
7. Proven ability to work as member of a team.
8. Proven ability to present ideas clearly and succinctly.
9. Commitment to contribute to the growth of the School and to the wider culture of the School.

**DESIRABLE CRITERIA:**

1. PGCHET and/or membership of an appropriate professional and/or teaching body e.g. HEA/Advance HE.
2. Experience in development of new content for delivery to undergraduate and/or postgraduate Chemical Engineering programmes.
3. Evidence of using innovative teaching methods.
4. Evidence of experience in administrating teaching.
5. Evidence of an awareness of current challenges in the UK/Irish HE sectors.

**ADDITIONAL INFORMATION:**

Informal inquiries may be directed to: Professor Chunfei Wu at [c.wu@qub.ac.uk](mailto:c.wu@qub.ac.uk)