

Candidate Brief

Lecturer/ Senior  
Lecturer/ or Reader  
in Chemistry

**Reference:** R180543

**Salary:** Grade 8 to 10, £33,199 to  
£58,089 per annum

**Contract Type:** Continuing

**Basis:** Full Time

**Closing Date:** 23.59 hours GMT on  
Saturday 05 January 2019

**Interview Date:** To be confirmed

EXCELLENT  
DIFFERENT  
DISTINCTIVE  
ASTON



## Job description

The Chemical Engineering and Applied Chemistry programmes offered at Aston University have proved increasingly popular with students in recent years and our bioenergy research profile has widened to incorporate catalytic and biological aspects of conversion (as well as our traditional strengths in thermochemical).

We are therefore recruiting for an academic post to consolidate our teaching and expand our research activities. The level of appointment is lecturer, but a higher level appointment could be made depending on qualifications, achievements and experience.

Teaching will be focused on physical chemistry and will involve elements of laboratory and project work, including research project supervision where links to the Group's research activities are strong. Particularly attractive would be the ability to deliver teaching at all levels. Teaching duties include the development of new teaching material, lecturing, tutorials, the supervision of both individual and group projects, supervision of PhDs and the development of materials within a virtual learning environment.

Successful candidates will be expected to work with others in the School to develop a research portfolio of international standing.

Applicants should have a good knowledge of Chemistry through a degree qualification in this subject. A PhD in a chemistry-related subject is also required. Some experience of teaching and supervision at university level is desirable.

### **Job Purpose:**

To contribute to, develop and enhance the teaching, research and engagement activities of the School.

### **Main Duties/Responsibilities:**

#### **Teaching**

- ▶ To cooperate with colleagues in the continuous review and development of programmes and the curriculum.
- ▶ To lead the development of curriculum and teaching materials for degrees in Chemical Engineering.
- ▶ To be responsible for the design and content of specific areas of teaching and learning within the School's undergraduate and postgraduate programmes.
- ▶ To teach undergraduate students and to carry out the associated examining and assessment processes.
- ▶ To provide academic and pastoral support and advice to students.
- ▶ To promote the use of a range of methods and techniques in teaching, learning and assessment.
- ▶ To engage in the regular evaluation and development of modules for which the successful applicant has responsibility, in terms of content, delivery and assessment.

#### **Research**

- ▶ To pursue a personal research programme consistent with the research priorities of the School of Engineering and Applied Science and the European Bioenergy Research Institute.
- ▶ To work with colleagues to develop collaborative research work across the research group/school/university.
- ▶ To publish the outcomes of research in outlets of international standing.
- ▶ To secure external research funding.
- ▶ To supervise and manage research projects.
- ▶ To supervise postgraduate students at Masters and Doctoral levels.

## **Engagement**

- ▶ To liaise with external academic, commercial and policy partners in relation to research and teaching.
- ▶ To raise the profile of the research group/school via outreach and engagement activities.
- ▶ To work with partners to deliver impact from research work.
- ▶ To work towards commercialization of research via appropriate pursuit of Intellectual Property exploitation, where appropriate.

## **Other related activities and functions**

- ▶ To carry out specific CEAC and School roles and functions as may be reasonably required, these being equitably distributed across the academic staff.
- ▶ To take part in the work of University or School Committees.
- ▶ To engage in training programmes in the University (e.g. through Staff Development) which are consistent with the needs and aspirations of the member of staff and the School.
- ▶ To support diligently quality assurance measures within the University (e.g. by reviewing delivered modules annually, setting and receiving student feedback questionnaires).
- ▶ To undertake such other duties as may be reasonably requested and that are commensurate with the nature and grade of the post.

## **Additional responsibilities**

- ▶ Engage in continuous personal and professional development in line with the demands of the role, including undertaking relevant training and development activities to develop themselves and support the development of others.
- ▶ Ensure and promote the personal health, safety and wellbeing of staff and students.
- ▶ Carry out duties in a way which promotes fairness in all matters and which engenders trust.
- ▶ Promote equality of opportunity and support diversity and inclusion as well as working to support the University's environmental sustainability agenda and practices.

## Person specification

	Essential	Method of assessment
<b>Education and qualifications</b>	<p>A good first degree in Chemistry</p> <p>PhD in a Chemistry-related field.</p> <p><b>Readership</b> A recognised teaching qualification /membership of the Higher Education Authority (HEA) at Fellow level as a minimum, Senior Fellow if the focus is teaching.</p> <p>Current membership of relevant professional body, if appropriate.</p>	Application form
<b>Experience</b>	<p><b>Lectureship</b></p> <p>Experience of teaching and assessing.</p> <p>Experience of undergraduate and/or postgraduate project supervision.</p> <p>Experience of initiating and conducting research up to doctoral level.</p> <p>Experience of publishing &amp; presenting research of an international standard.</p> <p><b>Senior Lectureship</b></p> <p>Experience of teaching and assessment on relevant undergraduate and postgraduate programmes and of professional examining.</p> <p>Experience of course management at module or programme level.</p> <p>Experience of initiating an independent line of research and in applying for and securing external research funding.</p> <p>A significant track record of publications in high quality international/peer reviewed journals.</p> <p>Experience of PhD supervision through to successful completion.</p> <p><b>Readership</b></p> <p>Track record of innovation in the design and delivery of taught programmes at undergraduate or postgraduate level, where teaching is the focus.</p>	Application form and interview
<b>Aptitude and skills</b>	<p>Ability to develop own teaching materials and contribute to course and programme development at undergraduate and postgraduate level.</p> <p>Ability to provide tutorial and counselling advice to undergraduate and postgraduate students.</p>	Interview and presentation

	Essential	Method of assessment
	<p>Excellent communication skills to build external contacts that will support research and teaching activity.</p> <p>Excellent practical skills with a “hands-on” approach and a wide range of lab experience.</p> <p>Ability to develop new teaching lab experiments &amp; practical projects.</p> <p>Familiarity with module and curriculum design methodologies and the ability to implement these effectively.</p> <p>Ability to develop and maintain a research programme and to publish in international journals.</p> <p>Ability to secure research funds from external sources.</p> <p>Ability to harness IT as a research and teaching tool</p> <p>A willingness to undertake further training as appropriate and to adopt new procedures as and when required.</p> <p>Commitment to observing the University’s Equal Opportunities Policy at all times.</p> <p>Ability to attend the University as and when required for scheduled teaching, relevant meetings and student support.</p> <p>Ability to lead taught modules and programmes for undergraduate and postgraduate students.</p> <p><b>Readership</b></p> <p>Ability to lead the development and implementation of research strategy and/or teaching.</p> <p>Ability to lead on the design and development of the curriculum.</p> <p>Highly developed communication and presentation skills to present research findings at national and international conferences.</p> <p>Ability to take on leadership role at subject group/School/University level.</p>	
<p><b>Training and development</b></p>	<p>A willingness to undertake further training as appropriate and to adopt new procedures when required.</p> <p>A willingness to obtain the University's PG Certificate in Professional Practice (PGCPP) within two years of appointment (where no equivalent teaching qualification is already held).</p>	<p>Interview</p>

	Essential	Method of assessment
<b>Other</b>	<p><b>Readership</b></p> <p>Commitment to observing the University's Equal Opportunity policy at all times.</p> <p>Ability to attend the University as and when required for scheduled teaching, relevant meetings and student support.</p> <p>Ability to work as part of an (interdisciplinary) team.</p>	Application form and Interview

	Desirable	Method of assessment
<b>Education and qualifications</b>	<p>A willingness to undertake further training as appropriate and to adopt new procedures when required.</p> <p>A willingness to obtain the University's PG Certificate in Professional Practice (PGCPP) within two years of appointment (where no equivalent teaching qualification is already held).</p> <p><b>Readership</b></p> <p>Membership of a relevant professional body.</p> <p>A Postgraduate Certificate in Professional Practice (PGCPP), or equivalent qualification.</p>	Application form
<b>Experience</b>	<p>Experience in teaching of undergraduate students</p> <p>Experience in the subjects of Physical Chemistry and the ability to teach these at all levels.</p> <p>Experience in successful research development (evidenced by external funding awards).</p> <p>Experience in research supervision.</p> <p>A track record of publications in international journals.</p> <p>A track record of presentations at international conferences.</p> <p>A track record of delivering impact from research activity with external stakeholders.</p> <p><b>Senior Lectureship and Readership</b></p> <p>Experience in the subjects of Bioenergy, Catalysis, Process Control, Process Design and the ability to teach these at all levels.</p>	Application form and interview

	Desirable	Method of assessment
<b>Aptitude and skills</b>	<p>Ability to demonstrate innovation and creativity in learning &amp; teaching.</p> <p>Ability to plan effectively and strategically at both subject and departmental levels.</p> <p>Ability to demonstrate leadership in industrial collaboration and to develop placement opportunities.</p> <p><b>Senior Lectureship and Readership</b>            Ability to engage at appropriate levels and using appropriate media with a wide range of academic, industrial and policy stakeholders in relation to the subject area.</p>	<p>Application form, interview and presentation</p>

## How to apply

You can apply for this role online via our website [www.aston.ac.uk/jobs](http://www.aston.ac.uk/jobs). Applications should be submitted by 23.59pm on the advertised closing date. All applicants must complete an application form, along with your CV.

Any CV sent direct to the Recruitment Team and Recruiting Manager will not be accepted. If you require a manual application form then please contact the Recruitment Team via [recruitment@aston.ac.uk](mailto:recruitment@aston.ac.uk).

## Contact Information

### Enquiries about the vacancy:

Name: Paul Topham

Job Title: Director of AIMR, Deputy Head of CEAC

Email: [p.d.topham@aston.ac.uk](mailto:p.d.topham@aston.ac.uk)

OR

Name: Patricia Thornley

Job Title: Director of EBRI

Email: [p.thornley@aston.ac.uk](mailto:p.thornley@aston.ac.uk)

### Enquiries about the application process, shortlisting or interviews:

Recruitment Team via [recruitment@aston.ac.uk](mailto:recruitment@aston.ac.uk) or 0121 204 4500.

## Additional Information

Visit our website [www.aston.ac.uk/hr](http://www.aston.ac.uk/hr) for full details of our salary scales and benefits Aston University staff enjoy

**Salary Scales:** <http://www.aston.ac.uk/staff/hr/payroll-pensions-and-benefits/salary-scales/>

**Benefits:** <http://www.aston.ac.uk/staff/hr/payroll-pensions-and-benefits/>

**Working in Birmingham:** <http://www.aston.ac.uk/birmingham/city-living/>

**Employment of Ex-Offenders:** Under the Rehabilitation of Offenders Act 1974, a person with a criminal record is not required to disclose any spent convictions unless the positions they applying for is listed an exception under the act.

**Eligibility to work in the UK:** Candidates who are not citizens of the United Kingdom, or another EEA member country, should check their eligibility to enter or remain the UK in advance of making any job application via the UKVI website <https://www.gov.uk/browse/visas-immigration/work-visas>. Before applying you should ensure that you meet the requirements, including meeting the English language standards. If you do not meet the eligibility criteria, any application for a work visa would be unsuccessful

**Equal Opportunities:** Aston University promotes equality and diversity in all aspects of its work. We aim to ensure, through our admissions policies for students, and our staff recruitment and selection processes that we encourage applications from all groups represented in the wider community at a local, national and international level.



The University will endeavour not to discriminate unfairly or illegally, directly or indirectly, against student or potential students, staff or potential staff. This commitment applies to all functions of the University and to any stage of an individual's career.

An Equal Opportunities Monitoring Form is included within the application form. Data you provide on the Equal Opportunities Monitoring Form will be included in a general database, for statistical monitoring purposes, enabling the University to monitor the effectiveness of its Policy, Codes of Practice and Guidelines on Equal Opportunities in Employment. Individuals will not be identified by name.

**Data Protection Act 1998:** Your personal data will be processed in compliance with the DPA and from 25 May 2018 with the GDPR. The University's Data Protection Policy and Privacy Notices, including the Job Applicant Privacy Notice can be found at <http://www.aston.ac.uk/data-protection>. Your application will only be used to inform the selection process, unless you are successful, in which case it will form the basis of your personal record with the University which will be stored in manual and/or electronic files. Information in statistical form on present and former employees is given to appropriate outside bodies.



Full details of our terms and conditions of service and associated policies and procedures are available online at [www.aston.ac.uk/hr](http://www.aston.ac.uk/hr)