



POTENTIAL

Lecturer in Sustainable Engineering

Reference: 0410-23

Grade: 8

Salary: £36,333 to £43,155 per annum, depending on experience

Contract Type: Permanent

Basis: Full Time

Job description

Job Purpose:

To contribute to, develop and enhance the research, scholarship and teaching activities of the College either independently or as part of a team, through professional practice and expertise. In addition, to develop external links with regional, UK and international bodies such as government agencies, schools, colleges, professional bodies, business and industry as appropriate to the subject discipline, College and/or University strategy.

The majority of academic staff will undertake a balance of research and teaching and learning activities. Whilst ability and effectiveness should be demonstrated in all areas, individuals may be more specifically focussed on research, teaching and learning or external engagement. This balance will be discussed and agreed with individuals annually in the PDR meeting in line with operational needs, College and University strategy and with consideration of the individual's career goals and development plans.

Main Duties/Responsibilities:

Research

- ▶ To develop research objectives, projects and proposals for personal/joint research programmes consistent with the College's research priorities.
- ▶ To write up or contribute to the write up of research work for publication.
- ▶ To identify sources of funding, develop and submit funding applications, securing external research funding.
- ▶ Where appropriate to College/University strategy and subject discipline, to participate in and develop external networks.
- ▶ To supervise and manage research projects.
- ▶ To supervise postgraduate students at Masters and doctoral levels. To foster an environment which encourages research among students at postgraduate level.
- ▶ To collaborate in research initiatives with colleagues in and beyond the College as appropriate.

Teaching and Learning

- ▶ To deliver high-quality teaching and supervision to students at different levels including foundation, undergraduate and postgraduate students, and to carry out the associated examining processes.
- ▶ To lead and/or contribute to modules related to sustainable engineering, including sustainability, engineering for sustainable development, the circular economy, sustainable energy and energy systems, energy efficiency and decarbonisation, pathways to net zero, materials sustainability, life cycle analysis and environmental engineering.
- ▶ To lead and/or contribute to curriculum content development at modular and programme levels, ensuring the currency of teaching material, and the implementation and promotion of innovative teaching & learning methodologies and assessment methods to enhance student learning, including pursuing digital and modern methods of delivery.

- ▶ To contribute to the design and development of new courses and be responsible for content of specific areas of teaching and learning within the College's teaching Programmes, with guidance.
- ▶ To provide academic support and advice to foundation, undergraduate and postgraduate students.
- ▶ To contribute to academic and administrative duties within the School and the wider University
- ▶ To cooperate with colleagues across disciplines in the continuous review and development of Programmes and the curriculum.
- ▶ To engage in supporting and promoting quality assurance measures within the University e.g. by evaluation and development of modules for which the lecturer has responsibility, in terms of content, delivery and assessment as well as reviewing delivered modules, setting and receiving student feedback questionnaires.

External Engagement

- ▶ To contribute to student placement schemes with companies and research institutions both in the UK and overseas.
- ▶ To contribute to plans to demonstrate research impact and secure commercialisation, identifying and pursuing opportunities for translational research where appropriate to role and discipline.
- ▶ Engage with professional bodies, industry partners and the wider community to promote the discipline of sustainable engineering and enhance the School's profile in this area.
- ▶ To enhance the University's reputation with professional/scholarly bodies e.g. by promoting understanding of the subject.

Citizenship

- ▶ To carry out specific College roles and functions as may be reasonably required (e.g. Programme Co-ordinator, Personal Tutor, Admissions Tutor), these being equitably distributed across the academic staff.
- ▶ To provide pastoral care and support to students.
- ▶ To take part in and, if required, manage staff seminars, cross-departmental activities and events e.g. Open Days, Sixth Form Conferences etc.
- ▶ To display and promote Aston values through own actions and behaviour.
- ▶ 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
Education and qualifications	<p>A good first degree in Environmental Engineering or Chemical Engineering or other relevant Sustainable Engineering subjects.</p> <p>A doctorate degree in chemical/environmental engineering or a relevant discipline.</p>	Application form
Experience	<p>Experience of teaching and assessing within an environmental engineering or sustainable engineering programme</p> <p>Experience of using VLE's e.g. Blackboard</p> <p>Experience of initiating and conducting research up to doctoral level.</p> <p>Experience of writing up/ contributing to the writing up of research for high quality publications.</p>	Application form and interview
Aptitude and skills	<p>Ability to develop own teaching materials and contribute to course and programme development.</p> <p>Ability to provide tutorial and counselling advice to undergraduate and postgraduate students.</p> <p>Excellent communication skills to build external contacts that will support research and teaching activity.</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>	Application form and interview

	Essential	Method of assessment
	Ability to attend the University as and when required for scheduled teaching, relevant meetings and student support.	

	Desirable	Method of assessment
Education and qualifications	Membership of a relevant professional body. A Postgraduate Certificate in Professional Practice (PGCPP), or equivalent learning & teaching in HE qualification.	Application form
Experience	Experience in supervising MSc dissertations in areas related to sustainable engineering. Experience in the research areas which fit the long-term vision of the Department and the College	Application form and interview and presentation
Aptitude and Skills	Ability to bring new techniques and/or experimental approaches to the College that could catalyse research within the College and University	Interview and presentation

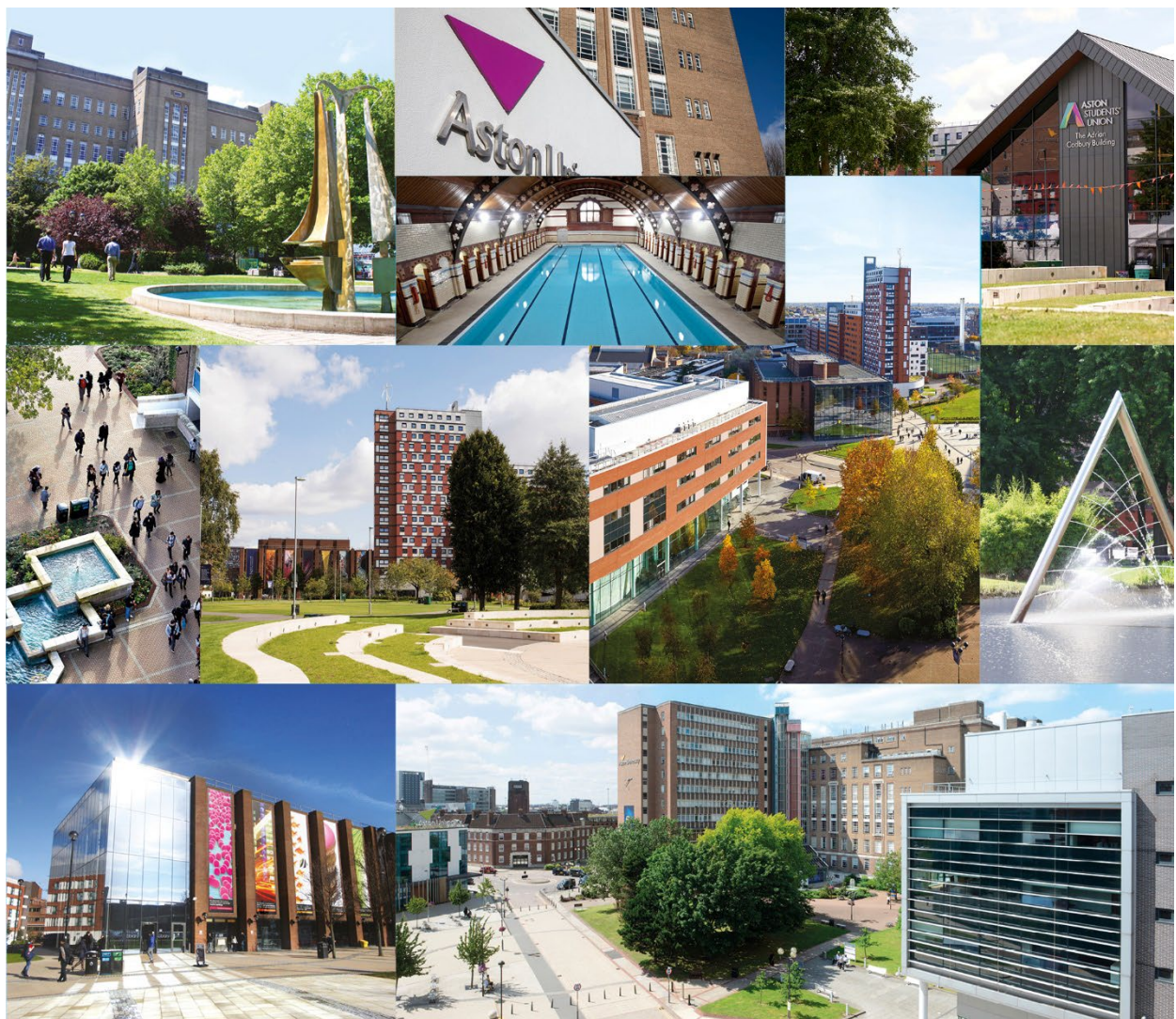
How to apply

You can apply for this role online via our website <https://www2.aston.ac.uk/staff-public/hr/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 jobs@aston.ac.uk.



Contact information

Enquiries about the vacancy:

Name: Jiawei Wang

Job Title: Head of Department of Chemical Engineering and Applied Chemistry

Email: j.wang23@aston.ac.uk

Enquiries about the application process, shortlisting or interviews:

Recruitment Team via jobs@aston.ac.uk or 0121 204 4500.

Additional information

Visit our website <https://www2.aston.ac.uk/staff-public/hr> for full details of our salary scales and benefits Aston University staff enjoy

Salary scales: <https://www2.aston.ac.uk/staff-public/hr/payroll-and-pensions/salary-scales/index>

Benefits: <https://www2.aston.ac.uk/staff-public/hr/Benefits-and-Rewards/index>

Working in Birmingham: <https://www2.aston.ac.uk/birmingham>

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:

New immigration system from 1 January 2021

A new immigration system has been introduced for people arriving in the UK from EEA countries with effect from 1 January 2021. In addition to those who have always required a visa, EU citizens who were not resident in the UK before 31 December 2021 will need to get a visa in advance.

You can find more information [here](#)

Candidates should check their eligibility to enter or remain in the UK in advance of making any job application via the [UKVI website](#). Before applying you should ensure that you meet the requirements, including meeting the English Language requirements. If you do not meet the eligibility criteria, any application for a work visa would be unsuccessful.

If you require a visa to work in the UK the most common types of visa are:

- Skilled Worker Visa <https://www.gov.uk/skilled-worker-visa>
- Global Talent Visa

If you are a leader or potential leader in one of the following fields you may be eligible to apply for a Global Talent Visa:

- Academia or Research
- Arts and Culture
- Digital Technology

Please click the following link for further information and to check your eligibility for this visa.
<https://www.gov.uk/global-talent>

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: Your personal data will be processed in compliance with the Data Protection Act 2018 and the General Data Protection Regulation ((EU) 2016/679) ("GDPR"). The University's Data Protection Policy and Privacy Notices, including the Job Applicant Privacy Notice can be found at <https://www2.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 <https://www2.aston.ac.uk/staff-public/hr/policies>

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**Where change
gets real.**