

**University of Derby Job Description**

# Job Summary

## Job Title

Senior Lecturer in Computer Science

## College

College of Science and Engineering

## Location

Markeaton Street, Derby, DE22 3AW

## Job Reference Number

0529-24-R

## Salary

£46,735 to £55,755 per annum

## Reports To

Head of Discipline of Computing and Mathematics

## Line Management Responsibility

No

# Job Description and Person Specification

## Role Summary

Manage the development of postgraduate / undergraduate programmes, and work with the Head of Department to ensure efficient and effective delivery of teaching programmes in accordance with the University’s strategic objectives in order to provide an exceptional student experience. Ensure that curriculum development, quality management and enhancement comply with required standards. Undertake research activity and be responsible for research projects and managing other researchers where appropriate. Ensure research informs and inspires a research led curriculum and teaching. Build on a growing research reputation to build collaborations and influence leading edge practice with an active publication record that will contribute to the Research Excellence Framework (REF).

## Principal Accountabilities

### Learning / Teaching

1. Lead on, or contribute to the leadership within, the subject area on undergraduate, postgraduate, professional and post-experience programmes.
2. Teach and facilitate learning on core and optional modules relating to the academic discipline.
3. Ensure that module / programme design and delivery comply with the quality standards and regulations of the University.
4. Contribute to the development of learning and teaching strategies and ensure that knowledge from research and scholarly activities informs and enhances learning and teaching, as well as extending it to appropriate external activities such as knowledge transfer activities.
5. Undertake relevant module leadership responsibilities and take on other programme-related work that may include marketing, recruitment, and learning and teaching development.
6. Supervise student projects at undergraduate / postgraduate levels.
7. Develop innovative approaches to learning and teaching, such as blended or online, to encourage student centred learning.
8. Ensure effective monitoring of student progress and provide advice and guidance to staff and students as appropriate.

### Research / Scholarship

1. Take the lead on, plan, develop and conduct research objectives, projects and proposals within the broader programme. Deliver research outcomes that will contribute to the REF.
2. Acquire, analyse, interpret and evaluate research findings / data using approaches, techniques, models and methods selected or developed for the purpose.
3. Manage the application of a range of methodologies, approaches and techniques appropriate to the type of research being pursued. Where appropriate investigate and devise research methods and approaches.
4. Generate income by developing and winning support for innovative research proposals and funding bids, working where appropriate within Research Centres and Colleges.
5. Disseminate and explain research findings through leading peer-reviewed national publications (and international where appropriate), conferences and other appropriate media.
6. Ensure adherence to ethical standards in the projects for which the role holder are responsible.
7. Monitor research resources such as budget, materials and equipment.
8. Provide mentoring and guidance to colleagues and co-ordinate the work of research and support staff.
9. Take a leading role in the development and delivery of business engagement activities, developing entrepreneurial links with external organisations.
10. Identify own professional needs and undertake appropriate training and staff development.

### Other

1. Act as a personal tutor, supporting and mentoring students as appropriate
2. Provide pastoral care to students, referring when necessary to services that provide further support.
3. Liaise with international partners as required on existing and future collaborations.
4. Contribute to new initiatives at appropriate levels.
5. Build on existing research networks, furthering contacts with external organisations such as funding bodies.
6. Actively seek out and develop opportunities for interdisciplinary research both across the University and externally.
7. Observe and implement University policies and procedures.

## Person Specification

### Essential Criteria

#### Qualifications

* Good Honours Degree in relevant subject discipline or equivalent
* Senior Fellowship of the Advanced HE (HEA) or willingness to work towards
* PhD or equivalence accepted in a relevant subject area, for example by publication or through appropriate professional achievement
* Subject specific qualifications / knowledge
* Postgraduate Certificate in Teaching and Learning in Higher Education (HE) or equivalent qualification

#### Experience

* Experience in areas such as Internet of Things, Cyber Security, Networking and Network Systems (above the physical layer), Data Security, Software Engineering, or Operating Systems

##### Learning / Teaching

* Demonstrable experience of delivering effective learning, teaching and assessment in Higher Education to undergraduate and postgraduate students
* Demonstrable experience of successful curriculum development
* Demonstrable experience of effectively designing and implementing a range of formative and summative assessments for undergraduate and postgraduate programmes
* Significant experience of excellent teaching identified by peer review
* Experience of quality assurance and validation of HE modules/ programmes
* Proven experience of module and programme leadership
* Experience of supervising undergraduate projects and postgraduate research students, providing training and some teaching as appropriate

##### Research / Scholarship

* Experience and achievement in the academic discipline, reflected in growing and consistent national reputation
* Evidence of publishing in high quality (“REF able”) journals or other outputs in research or practice
* Experience and demonstrable knowledge / expertise in research methodologies appropriate to the academic discipline

#### Skills, knowledge & abilities

* An appropriate level of digital capability and aptitude with practical experience of applications which enhance student learning
* Ability to communicate with clarity on complex and conceptual ideas to those with limited knowledge and understanding as well as to peers, using high level skills and a range of media
* Excellent ability to build relationships and collaborate with others, internally and externally
* A high level ability to think critically and promote innovation and creativity
* Ability to devise, advise on and manage research programmes
* Demonstrates competences, core behaviours and supplementary behaviours that support and promote the University’s core values
* Demonstrates professionalism in learning / teaching and the values of the UK Professional Standards Framework for HE
* Committed to continual enhancement and a high quality student experience
* Promotes a high performance culture, fostering continuous improvement and driving quality
* A sound knowledge of the QAA Quality Code and HEFCE’s Operating Model for Quality Assurance
* A sound knowledge of the current higher education environment and its implications for the student learning experience
* A sound knowledge of the employability agenda and its relevance to learners and the curriculum
* A sound knowledge of internationalisation and its relevance for learners and the curriculum

#### Business requirements

* Able to take a flexible approach to work
  + Travel between sites and occasionally overseas for research or teaching
  + Some evening and occasional weekend teaching
  + Attendance at Open Days, Graduation events etc.
  + A commitment to own professional development

### Desirable Criteria

#### Qualifications

* Master’s degree in relevant subject area
* Appropriate level of membership of a relevant professional body or working towards

#### Experience

##### Research / Scholarship

* Track record in gaining support for significant externally funded research and consultancy projects, e.g. with industry, commerce, public bodies
* A growing international reputation in the academic discipline

#### Skills, knowledge and abilities

* Developing skills in providing leadership to small research teams

# Benefits

The University of Derby believes in providing choice to our people suited to their needs or life stages. Offering a number of salary sacrifice options, a generous holiday entitlement starting from 26 days plus bank holidays and 4 concessionary days and a host of family friendly policies, mean that splitting your time and finances can be easier. For those with prospective students in the household, we also offer tuition fee support to partners and children and, not forgetting you, we offer financial support for accredited learning.

Our competitive 'total reward' offering has something for everyone and looks to reward and recognise people in different ways.

Core to the package is a competitive pay structure and generous public-sector pension schemes. Our pay structure allows for stepped progression in role and is reviewed against the market and, where applicable, awarding national pay awards annually. Further financial support is offered through our generous pension contributions in support of your retirement fund with those within our Teachers’ Pension Scheme receiving an employer contribution of 28.6% of salary and those within the Local Government Pension Scheme at 23%.

Wellbeing at Derby features within our benefits options from our Employee Assistance programme through to our eyecare voucher scheme, not to mention the discounted membership for our on-site gym at our Kedleston Road campus. With our Inclusion and Wellbeing Networks, there really is support for everyone.

We also facilitate ‘Give as You Earn’ options to donate to your preferred charities straight from your pay which enhances the amount your charity receives for your donation.

At the University of Derby, we celebrate loyalty and achievements through our Staff Excellence Framework be it financially, or non-financially. We aim to foster a culture of boldness and brilliance in our people, and from a simple thank you through to a local awards ceremony, we recognise and celebrate notable achievements of our colleagues.

For more information on the benefits of working at the University of Derby go to the [Benefit pages of our website](https://www.derby.ac.uk/jobs/life-at-derby/rewards-and-benefits/).

# Our People

The University of Derby is committed to promoting equity, diversity and inclusion, regardless of age, disability, trans status, marriage and civil partnership, pregnancy and maternity, race, religion or belief (or none), sex and sexual orientation.

We are Disability Confident Employers, demonstrating our commitment to disability inclusion, and invite applicants to highlight adjustments they may require to ensure equitable participation in our recruitment processes.

Further, we are committed to ensuring an environment which is trans and non-binary-inclusive for all our staff, students, partners, and visitors, and continuously review our policies, guidance and training.

When applying to join the University, you can choose your preferred title, including the gender-neutral title 'Mx'. We also ask our candidates if they would like to share their preferred pronouns. This is voluntary but demonstrates our commitment to inclusivity for trans and non-binary candidates. Once employed, you can add pronouns and preferred names onto our system.

The University of Derby undertakes anonymised shortlisting during the staff recruitment process. This means that, when shortlisting, panel members will not be able to see an applicant’s name and will see an applicant number instead. This demonstrates the practical steps we are taking to remove barriers to recruitment by minimising the possible impact of our unconscious bias.

However you identify, we actively celebrate the knowledge, experience and talents each person brings. Our students come from a wide range of backgrounds; therefore we are particularly interested to hear from applicants who will help our leaders and teams be more reflective of our student population.

For more information on equity, diversity and inclusion at the University of Derby, please visit our [website](https://www.derby.ac.uk/about/equality-and-diversity/).