

Job Description

Role Title:	Teaching Fellow in Computer Science
School / Dept:	School of Science, Engineering and Environment
Directorate:	Computer Science and Engineering (CSE)
Reference:	MPF4011
Grade:	Grade 7
Full or Part time:	Full time
Hours:	1.0 FTE
Reports to:	Head of Computer Science

Overview

Computer Science is a rapidly developing area at the University of Salford. This is evidenced by our both undergraduate in Computer Science, Software Engineering and Cyber Security recruits more than 200 students per year. We are now seeking to expand and develop the core team of academics working in this area to extend and develop further teaching opportunities and increase our capacity to explore and develop further our links with industry and key national stakeholders. The role holder will assist with the development and delivery of innovative forms of learning and teaching, both on-campus and online, as part of an expanding range of professionally accredited, industry engaged Computer Science and related specialist undergraduate and postgraduate taught programmes.

Candidates will be highly motivated professionals, who are passionate about delivering an excellent and engaging student experience with strong performance and progression outcomes for students. A broad range of Computer Science knowledge is required and a background in databases, programming (including Java), software development processes, Data Structures & Algorithms, Computer Graphics, user experience, or cloud computing will be beneficial.

In addition to relevant subject expertise and some experience of teaching and supporting learners, we expect candidates to hold or be nearing completion of a postgraduate qualification at master's level or above, or, if from a practitioner background have industrial experience of an equivalent level.

Role Purpose

The purpose of this role is to:

- Undertake a range of teaching, assessment and administrative duties.
- Support students in all aspects of their studies as appropriate.
- Develop personal subject activity in conjunction with professional development as a HE teacher.

Principal Duties & Responsibilities

Learning and Teaching

- Deliver and support teaching and facilitate learning across a range of modules in Computer Science and/or within the specialist subject domain.
- Design and develop course materials and deliver such materials using a combination of face-to-face and online teaching.
- Contribute to the planning, design, enhancement, and development of the curriculum, and to the design of modules, programmes and short courses.
- Set and mark assessments and examinations ensuring students are provided with timely feedback.
- Engage actively in student feedback, reflection, and quality enhancement processes, constantly striving for the best possible student outcomes.

Leadership, Management and Engagement

- Contribute to the effectiveness of teams by developing productive working relationships with colleagues.
- Where appropriate collaborate with external organisations such as industry, public sector, charity and local community groups.
- Contribute to the planning and development of teaching and engagement programmes by participation in programme team meetings etc.
- Engage with and participate in the University's performance review process as reviewee and reviewer as appropriate.

Administration

- Take responsibility for areas of day-to-day programme management and student support.
- Contribute to student recruitment and the promotion of programmes in the subject domain.
- Contribute to the smooth running of the School, Directorate and Subject Group, through attendance at and engagement with portfolio reviews and examination boards.
- Discharge administrative duties in an efficient and timely manner.

Generic Duties

- Perform any other duties appropriate to the grade as may be required by the Head of School/Head of Division etc.
- Comply with the personal health and safety responsibilities specified in the University Health and Safety policy.
- To engage with the University's commitment to put our students first and deliver services which are customer orientated, represent value for money and contribute to the financial and environmental sustainability of the University when undertaking all duties and aspects of the role.
- Advance equality, support our work towards eliminating unlawful discrimination, foster an inclusive study and work environment for students, staff and visitors in accordance with our public sector equality duties and university policy.

Indicative level of membership for Higher Education Academy: Associate Fellow

This role detail is a guide to the work you will initially be required to undertake. It may be changed from time to time to meet changing circumstances. It does not form part of your Contract of Employment.

Person specification follows on next page

Person Specification

The successful candidate should demonstrate the following, which are 'Essential' (E) or 'Desirable' (D)

Qualifications

1. Hold a Postgraduate Certificate of Academic Practice or equivalent higher education teaching qualification. (D)
2. Hold a higher degree at master's level or above in related subject area or have equivalent and quantifiable industrial experience at this level. (E)
3. Membership of subject related professional bodies. (D)
4. Associate Fellowship of the Higher Education Academy (HEA), or international equivalent. (D)

Background and Experience

5. Experience of planning, preparing, and delivering high quality, undergraduate and/or postgraduate teaching and assessment, on campus and online. (E)
6. Understanding of the metrics for evaluation of teaching quality and student experience in contemporary Higher Education. (E)
7. Evidence of effective teaching experience in Computer Science, which can include: databases, programming (including Java and C), software development processes, Data Structures & Algorithms, Computer Graphics, and cloud computing. (E)
8. knowledge in Electrical and Electronic Engineering (EEE), including: C programming for microcontrollers (Embedded Systems) and familiarity with FPGA development. (D)
9. Industry engagement/experience in the subject domain. (D)

Knowledge

10. Contemporary and emerging issues at the leading-edge of the subject domain. (E)
11. Databases, programming (including Java), Data Structures & Algorithms. (E)
12. Understanding and knowledge of cloud computing. (D)

Skills and Competencies

13. Ability to plan, prepare and deliver high quality teaching in pedagogy appropriate for the subject domain within modern Higher Education. (E)
14. Ability to communicate complex ideas clearly to a diverse range of students using a variety of teaching methods. (E)
15. Ability to supervise and assess student projects in the broad subject domain. (E)
16. Commitment to ongoing personal and professional development. (E)
17. Commitment to the wider team and ability to work collaboratively with a diverse range of people to generate innovative and practical solutions to address challenges. (E)
18. Quantifiable evidence of teaching excellence driving strong student outcomes. (D)