

## Candidate Information

**Position:** Lecturer (Education) in Computer Science  
**School/Department:** Education Cluster  
**Reference:** 21/108915  
**Closing Date:** Monday 26 July 2021  
**Salary:** £36,914 - £51,034 per annum.  
**Anticipated Interview Date:** Thursday 5 August 2021

### Job Purpose:

The School of Electronics, Electrical Engineering and Computer Science seek to recruit a number of Lecturer (Education) staff to undertake significant teaching at undergraduate and postgraduate level in Computer Science with extensive experience in Blended/Connected Learning, we are seeking talented staff with proven teaching experience in key areas of Computer Science, particularly Dev-ops and Advanced Software Engineering.

### Teaching and Learning (80% of time spent):

1. Using extensive knowledge and experience in Blended/Connected Learning, develop and foster an exceptional CS Connected Learning experience for CS students at QUB.
2. Develop teaching methods, design course units and deliver a range of face-to-face and online teaching and assessment (formative and summative) activities including lectures, online learning activities, coursework, practicals, and fieldwork in the subject.
3. May design and be responsible for course/s delivered by others, preparing the teaching materials and being responsible for the assessment.
4. Develop approaches to teaching and learning, which are appropriate for the subject area and may reflect developing practice.
5. Contribute to the enhancement of quality teaching within the subject, school or faculty.
6. Develop and advise others on learning and teaching tasks and methods.
7. Contribute to the design of innovative teaching programmes as we strive for excellence in CS Connected Learning delivery.
8. Plan and review own approach to teaching.
9. Be responsible for practical work where applicable and advise students on techniques.

### Scholarship (10% of time spent):

1. Develop links with relevant professional bodies to ensure that teaching reflects current best practice in own area of subject specialism.
2. Develop proposals and prepare, in collaboration with others, funding bids for external contract work that might involve, for example, publishing materials for use within a profession.
3. Engage in scholarly activity e.g. conference paper presentations, external funding secured, book reviews published, writing practice manuals, publication of professional materials.
4. Maintain and develop teaching and subject expertise.

### Citizenship (10% of time spent):

1. Contribute to the School's outreach strategy by developing external links.
2. Provide pastoral care for students within own area to ensure, as far as practicable, that all relevant issues are dealt with in a timely, sympathetic and effective manner.
3. Carry out designated School functions, including, for example, participation in committee work, assisting in the process of admissions, and preparation of submission for teaching quality assessment.
4. Be responsible for the record-keeping associated with teaching and the preparation of teaching materials.
5. Mentor and support students on placement.
6. Communicate complex and conceptual ideas to students as well as to peers using high level skills and a range of media.

7. Engage with the School as a member of the School Board and Examination Board and other such committees relevant to the posts administrative duties.
8. Collaborate with other staff within School.
9. If appropriate, supervise the work of others, for example in research teams and projects.
10. Manage own teaching, research and administrative demands under general supervision of Head.
11. Assist in the development of skills and competence in others (for example through the supervision of research students).
12. Participate in and develop networks, for example to identify sources of funding, contribute to student recruitment, secure student placements, market the institution, facilitate outreach work, generate income, obtain consultancy projects, or build relationships for future activities.

**Additional Information:**

\* Note candidates should provide a summary table of their teaching experience including class size, class type, topic, year of programme, number of hours taught and student feedback scores if available.

**Essential Criteria:**

1. Undergraduate honours (2.1) or postgraduate degree in Computer Science or closely related discipline.
2. Have, or be about to obtain, a PhD in a relevant area of Computer Science. (PhD must be completed at time of taking up post).
3. Demonstrable teaching experience, using a range of teaching methods to Computer Science students at UG and/or PGT levels within the last 4 years.\* In key areas of Cloud Development, Secure Software/Web Development, Dev-ops.
4. Extensive and demonstrable relevant experience of Blended/Connected Learning preferably at UG and/or PGT levels.
5. Proven ability to devise, advise on and manage teaching programmes including assessment methods at both UG and PGT levels that contribute to the teaching load of the School.
6. Commitment to the development of high quality teaching, learning, and assessment materials.
7. Teaching interests that are sustainable and which complement or enhance existing teaching activities within the School and across the faculty of Engineering and Physical Sciences.
8. Evidence of good teaching evaluations at a level commensurate with stage in career.
9. Proven experience, achievement and growing reputation in the discipline, reflected in involvement in national educational events.
10. Record of scholarly activity related to teaching and learning of Computer Science e.g. conference paper presentations, external funding secured, book reviews published, writing practice manuals, publication of professional materials.
11. Ability to manage resources and understanding of management processes.
12. Contribution to administrative tasks within the School e.g. course development, assessment exercises examinations, recruitment, and management of resources.
13. Contribution to community/outreach activities.
14. Demonstrable and evidenced ability to deal with student interactions in a professional and competent manner.
15. Demonstrable and evidenced ability to work with colleagues to ensure that students have a positive experience during their studies.
16. Enthusiasm for providing high-quality student support.
17. Excellent presentation skills.
18. Evidence of ability to work independently and as part of a team.
19. Effective interpersonal skills.
20. Ability to communicate complex information effectively and encourage commitment to learn in others.
21. Programme of continuous professional development established.

**Desirable Criteria:**

1. PGCHET and/or membership of an appropriate professional and/or teaching body e.g. HEA/Advance HE.
2. Evidence of innovative, creative delivery/thinking that is engaging and has led to enhanced student experience.
3. Demonstrable experience of using digital platforms.
4. Teaching Awards.