

# PhD studentships in the Centre for Doctoral Training in Quantum Systems Engineering and the Centre for Quantum Photonics

Thu, 2015-08-06 10:34 - [Kimberley Brook](#) [1] **At:** University of Bristol

**Deadline:** 2 October, 2015

## Location

University of Bristol, Centre for Quantum Photonics Bristol BS8 1FD United Kingdom

51° 27' 32.508" N, 2° 36' 5.5224" W

See map: [Google Maps](#) [2]

We have a number of fully funded 4-year PhD studentships offered in the area of Quantum Engineering and Quantum Photonics; the studentships are supported by the [Quantum Engineering Centre for Doctoral Training](#) [3] (QE-CDT) and the [Centre for Quantum Photonics](#) [4] (CQP) at the University of Bristol.

The Quantum Engineering Centre for Doctoral Training (QE-CDT) offers exceptional graduates a four-year doctoral training programme, underpinned by world-class research and industrial expertise. This doctoral training centre, funded by the Engineering and Physical Sciences Research Council (EPSRC) and coming towards the end of its first year of operation, is a collaboration between the faculties of Science and Engineering at the University of Bristol. Based in the £12M Nanoscience building, the Centre is a key component of the University's graduate training programme. The QE-CDT's 4 year programme encompasses theoretical understanding and the practical application of quantum physics. Students are able to choose their preferred area of research after successfully completing Year 1 and will have to choice to work with supervisors from across the universities and the wider UK Quantum Technologies Network.

Our goal in the Centre for Quantum Photonics (CQP) is to explore fundamental aspects of quantum mechanics, as well as work towards future photonic quantum technologies by generating, manipulating and measuring single photons as well as the quantum systems that emit these photons. Applicants with a preference to begin their research project in CQP from day one will work on an experimental or theoretical project in collaboration with the University's world leading experts in the field of integrated quantum photonics. Typical projects in both CQP and the QE-CDT will involve the following areas of research:

- Quantum computing and simulation
- Quantum communications
- Quantum sensing and metrology
- Underpinning quantum technologies

Please make an online application for this project at <http://www.bris.ac.uk/pg-howtoapply> [5]. Please select Quantum Photonics on the Programme Choice page and enter details of the studentship when prompted in the Funding and Research Details sections of the form.

- [PhD](#) [6]

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<http://qurope.eu/db/jobs/phd-studentships-centre-doctoral-training-quantum-systems-engineering-and-centre-quantum-pho>

**Links:**

[1] <http://qurope.eu/users/kb13458>

[2] <http://maps.google.co.uk?q=%2C+Bristol%2C+BS8+1FD%2C+uk>

[3] <http://www.bristol.ac.uk/quantum-engineering/>

[4] <http://www.bristol.ac.uk/physics/research/quantum/>

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