



**Chief Technical Officer (CTO)
School of Physical Sciences
Faculty of Science & Health
Permanent Post**

Introduction

Dublin City University www.dcu.ie is a young, dynamic and ambitious University with a distinctive mission to transform lives and societies through education, research and innovation. We are a research-intensive, globally-engaged institution, distinguished by both the quality and impact of our graduates, and focus on the translation of knowledge into societal and economic benefit. Excellence in education and research activities has led to DCU's consistent presence in the rankings of the world's top young universities.

Over its relatively short history DCU has developed a strong reputation nationally and internationally for pioneering innovations in higher education. The University is embarking on a period of significant investment in learning innovation across all of its Faculties. This initiative will help us transform the learning experience of undergraduate students at DCU, reconceptualizing learning opportunities, creating authentic connections between the classroom and enterprise, and embedding digital literacies, disciplinary competencies and transversal skills required to truly future-proof our graduates for the rapidly changing workplace. DCU is joined in this project by a strong consortium of enterprise partners, representing key employment sectors in the Irish economy and with a strong presence in DCU's primary catchment area. This programme of innovation is funded under the Irish government's Human Capital Initiative (HCI) supported by the National Training Fund. It will deliver on the ambitions we have to reimagine undergraduate curricula and to embed innovative pedagogies, enhanced use of technology and deep industry engagement.

School of Physical Sciences

The School of Physical Sciences www.dcu.ie/physics at Dublin City University has a high standing within Ireland and internationally, for both its teaching and research activities. There are more than fifty researchers within the School's research groups including postgraduate students, postdoctoral researchers, research officers, and administrators. Physics research at DCU covers analytics and modelling, astrophysics, biomedical/optical physics, physics education, plasma and laser-plasma physics, materials and nanotechnology as its main priority areas. Researchers in the School lead and contribute to several research centres, including, four National Research Centres – National Centre for Plasma Science and Technology (NCPST), National Centre for Sensor Research (NCSR), INSIGHT and ADAPT, and University Approved Centres - Centre for Astrophysics & Relativity (CfAR), Centre for Advancement of STEM Teaching and Learning (CASTeL), and Water Institute.

The School has been awarded substantial research funding and programme grants from national funding agencies, including [Science Foundation Ireland](#), [Irish Research Council](#), [Enterprise Ireland](#), [Sustainable Energy Authority of Ireland](#), [Higher Education Authority PRTLI programme](#), and European [Erasmus+](#) and [Framework](#) Programmes.

DCU School of Physical Sciences offers several undergraduate degree programmes, featuring unique blends of physics fundamentals with modern applications: BSc in Applied Physics, BSc in Physics with Biomedical Sciences, BSc in Physics with Data Analytics and BSc in Physics with Astronomy, all of which are entered via a Physics General Entry programme. A hands-on approach to physics teaching is favoured with an emphasis on the development of experimental and data analytical skills as well as mathematical, computational and reasoning skills. These programmes are delivered through novel and innovative curricula, in partnership with other Schools across the university and industry collaborators. In addition, the School makes important contributions to the curriculum and teaching of the BSc in Science Education programmes and the BSc in Environmental Science and Technology. At postgraduate level, the DCU School of Physical Sciences offers the Professional Diploma in Teaching Physics and the MSc in Astrophysics & Relativity (jointly with the School of Mathematical Sciences). In keeping with its Strategic Plan, the School is modernising our physics programmes available to students through a new innovative curriculum project in partnership with key industry collaborators and other Schools across the university.

Role Profile

The School of Physical Sciences is seeking to appoint a Chief Technical Officer to lead its team of technical officers and provide high-level technical support for its research, teaching & learning and engagement activities. The successful candidate will have excellent technical, leadership and people management skills as well as excellent organisation, communication/IT and interpersonal skills. The ability to work with students, academics, other technical and research staff at all levels is required. The successful candidate will have a flexible approach to work and a willingness to lead and implement change to achieve the School's strategic objectives.

Duties and Responsibilities

Please see the Job Description for a full list of duties and responsibilities

Qualifications and Experience

Minimum Internal Service Criteria

Please note that [internal service criteria](#) will apply

Please note staff must have successfully completed their probationary period

Essential Criteria

- Masters in a relevant discipline or equivalent professional experience as a Senior Technical Officer.
- At least three years experience in the role of Senior Technical Officer in a higher education institution or similar role and experience in the private/public sectors.
- Broad expertise in experimental physics and applications and possess the relevant scientific and technical skills to support the School's research, teaching & learning, and engagement activities.

- Demonstrable knowledge of current and emerging scientific technologies and their implementation and integration into the laboratory, notably in fields that are particularly relevant to the degree programmes delivered by the School of Physical Sciences.
- Experience in, and knowledge of, the main Health & Safety protocols that apply to physical laboratories, e.g. work with ionising or high-power laser radiations.
- Experience in financial/budget/stock management of teaching and/or research laboratories.
- Experience in overseeing the operational and technical functions of a unit.
- Demonstrable team management skills and experience.

Desirable Criteria

- Experience with coordinating and conducting successfully new research projects.
- Experience/engagement with online teaching platforms and technology-assisted learning.

Essential Training

The post holder will be required to undertake the following mandatory compliance training: GDPR, Orientation and Compliance. Other training may need to be undertaken when required.

Salary Scale:

Chief Technical Officer- € 57,718.00 - € 69,984.00

Appointment will be commensurate with qualifications and experience and in line with current Government pay policy

Closing date: Thursday 20th October 2022

For more information on DCU and benefits, please visit [Why work at DCU?](#)

Informal Enquiries in relation to this role should be directed to:

Dr Eilish McLoughlin, Associate Professor and Head of School, School of Physical Sciences, Dublin City University.

Phone + 353 (0)1 700 5862 Email: eilish.mcloughlin@dcu.ie

Please do not send applications to this email address, instead apply as described below.

Application Procedure:

Application forms are available from the DCU Current Vacancies website at https://www.dcu.ie/hr/hr-current-vacancies-internal-competitions?check_logged_in=1

Applications should be submitted by e-mail with your completed application form to hr.applications@dcu.ie

**Please clearly state the role that you are applying for in your application and email subject line:
#BC220612 Chief Technical Officer**

Dublin City University is an equal opportunities employer.

In line with the Employment Equality Acts 1998 – 2015, the University is committed to equality of treatment for all those who engage with its recruitment, selection and appointment processes.

The University's Athena SWAN Bronze Award signifies the University's commitment to promoting gender equality and addressing any gender pay gaps. Information on a range of university policies aimed at creating a supportive and flexible work environment are available in the [DCU Policy Starter Packs](#)