



Cyber Security Engineer
Information Systems Services (ISS)
3 Year Contract

Dublin City University www.dcu.ie is a young, ambitious and vibrant University, with a mission 'to transform lives and societies through education, research, innovation and engagement'. Known as Ireland's 'University of Enterprise and Transformation', it is committed to the development of talent, and the discovery and translation of knowledge that advances society and the economy. DCU is the Sunday Times Irish University of the Year 2021.

The University is based on three academic campuses in the Glasnevin-Drumcondra region of north Dublin. It currently has more than 18,000 students enrolled across five faculties – Science and Health, DCU Business School, Computing and Engineering, Humanities and Social Sciences and DCU Institute of Education. DCU is committed to excellence across all its activities. This is demonstrated by its world-class research initiatives, its cutting-edge approach to teaching and learning, its focus on creating a transformative student experience, and its positive social and economic impact. This exceptional commitment on the part of its staff and students has led to DCU's ranking among the top 2% of universities globally. It also consistently features in the world's Top 100 Young Universities (currently in QS Top 70 Under 50, Times Higher Top 150 Under 100).

DCU is placed 84th in the world, in the Times Higher Education University Impact Rankings – measuring higher education institutions' contributions towards the UN Sustainable Development Goals. Over the past decade, DCU has also been the leading Irish university in the area of technology transfer, as reflected by licensing of intellectual property.

Information Systems Services (ISS)

The ISS Department is a central support unit responsible for providing a complete ICT service to the University's various schools, units, research centres and campus companies. In addition to working closely with all stakeholders across DCU to ensure quality service delivery, ISS is responsible for the University's extensive ICT infrastructure estate servicing our three academic campuses. ISS plays a key role in supporting the University in achieving the objectives set out in its Strategic Plan: Talent, Discovery and Transformation 2017-2022. For further information, please visit <https://www.dcu.ie/iss>

Role Profile

The Cyber Security Engineer will report to the Deputy Director of ISS and work with the Senior IT Security Engineer, within the Engineering & Innovation Team, to monitor and manage the operation of security systems and best practice across the university's IT environment.

Duties and Responsibilities

- Stay informed of attack trends, zero-day vulnerabilities, methodologies, and risks within the cyber security realm to help ensure effective detection and management
- Provide hands-on remediation of security vulnerabilities across a wide range of infrastructure and technologies
- Lead activity to investigate and mitigate security incidents
- Play a lead role in transformational technology projects
- Conduct application security assessments and penetration tests
- Assess security tools capability, performance, and effectiveness
- Plan for and perform periodic security audits to validate that the security posture satisfies DCU security requirements
- Implement and/or enhance security controls of key university systems
- Mentor and evangelise security practices through cross functional work with technical and non-technical teams throughout the university
- Implement and manage network security components such as next generation firewalls, intrusion detection and prevention (IDS/IPS) systems
- Ensure appropriate and proactive monitoring and event logging for the DCU IT Infrastructure
- Lead cyber security aspects of IT disaster recovery and business continuity planning
- Drive cloud security improvements
- Be responsible for the design and development of the university's cyber security awareness training programme
- Undertake any other appropriate duties assigned by the Director of ISS or nominee

Candidate Requirements

- At least 5 years' relevant experience in cyber security operations, design or compliance
- A primary degree or equivalent (NQF Level 7) in Information Technology, Computer Science or other relevant field
- A strong technical background in IT with a clear and abiding interest in cyber security
- Significant hands on technical experience in enterprise level information security management
- Proven ability to implement proper system security controls, metrics and performance indicators for IT systems and service security
- Strong working knowledge across a range of technologies including Active Directory, IdP, Windows/Linux servers, VPNs, encryption, two factor authentication, VMware, network infrastructure and storage
- Good customer focus
- Strong communication, presentation, interpersonal and analytical skills
- Strong understanding of cyber-threats
- Experience with threat modelling, design analysis, and risk assessment
- Interest and a strong aptitude for learning new technologies
- Knowledge of OWASP

It would advantageous to have some of the following:

- Information security management qualifications such as CISSP or similar
- Knowledge of/experience in Security Information and Event Management (SIEM) technologies

- Knowledge of/experience in Next Generation Firewalls (NGFW)
- Experience administrating Linux servers
- Experience administrating windows servers
- Knowledge of Azure hosting
- Experience with software development tools
- Knowledge of/experience in Office 365 security and compliance features

Mandatory 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.