

## **JOB PROFILE: LECTURER IN CYBER SECURITY**

**Position Title:** Lecturer in Cyber Security

**Institution:** Belgium Campus iTversity

**Location:** Pretoria, Stellenbosch, Kempton Park - South Africa

**Employment Type:** Full-Time

**Application Deadline:** 2025-07-31

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### **About Us:**

Belgium Campus iTversity is a private higher education institution committed to excellence in teaching, research, and community engagement in the field of Information Technology and Computing. Our Cyber Security department is an integral part of our diploma and degree programmes. We are seeking experienced and passionate individuals to join our team as Lecturers in Cyber Security. As digital threats continue to rise globally, we aim to equip students with the skills and mindset to defend systems, data, and networks effectively.

### **Overview of the Cyber Security Department:**

The Cyber Security department at Belgium Campus iTversity aims to develop professionals with expertise in identifying vulnerabilities, implementing protective measures, and responding to cyber threats. Our curriculum includes a practical, hands-on approach to teaching and assessment. The modules in our Cyber Security portfolio encompass the following areas:

- Cyber Security Fundamentals
- Ethical Hacking and Penetration Testing
- Network Security
- Cloud and Application Security
- Cybersecurity Governance Frameworks
- Information Assurance and Risk Management
- Cybersecurity Laws and Regulatory Compliance
- Ethics in Cybersecurity Risk Management
- Architectural principles of secure software
- Data security

### **Key Responsibilities:**

Our academic staff are expected to provide not only theoretical knowledge but also offer practical insights and hands-on experience, preparing our students for successful careers in the field of Cyber Security.

- Ensure the quality of teaching and learning across cyber security modules.
- Prepare and deliver engaging lectures, practical labs, and student-led discussions.

- Create learning materials including slides, case studies, exercises, and assessments.
- Guide students through hands-on labs, simulations, and projects to reinforce cyber defense techniques.
- Set, grade, and moderate assessments such as assignments, tests, and examinations.
- Support students through academic mentorship, particularly in cybersecurity-related research or final-year projects.
- Stay current with industry trends, tools, threats, and certifications.
- Contribute to curriculum design, review, and the development of new cybersecurity modules.
- Participate in faculty development, student outreach, and research initiatives.

**Key Competencies and Skill Sets:**

Not all the skills and competencies below are required, but candidates with a larger set of skills will be preferred.

- Solid theoretical and practical knowledge in cybersecurity.
- Strong understanding of information security principles, policies, and practices.
- Experience with vulnerability assessment and penetration testing tools (e.g., Kali Linux, Metasploit).
- Familiarity with network protocols, firewalls, intrusion detection/prevention systems.
- Understanding of ethical and legal aspects of cybersecurity.
- Ability to simulate real-world cyber attacks and guide students in response planning.
- Proficiency with tools such as Wireshark, Burp Suite, Nmap, and OSINT frameworks. Others will also be beneficial.
- Knowledge of security frameworks like ISO/IEC 27001, NIST, CIS.
- Effective communication and classroom management skills.
- Ability to work collaboratively in a multidisciplinary academic environment.

**Technical Skills**

The above position requires a diverse mix of technical skills, and selection of candidates will be based on the current skillsets as well as the potential to learn new skills. Successful candidates will be assigned to modules that align with their greatest competencies. The following are some of the technologies used in the Cyber Security department:

- Security Testing Tools: Metasploit, Nmap, Nessus, Burp Suite
- Programming & Scripting: Python, Bash, PowerShell

- Networking: TCP/IP, VPNs, firewalls, IDS/IPS systems
- Operating Systems: Windows, Linux (especially Kali Linux, Ubuntu)
- Cloud Security: AWS, Azure Security Modules, Identity & Access Management
- Digital Forensics Tools: Autopsy, FTK, EnCase
- Version Control: Git, GitHub

**Preferred Qualifications:**

- A relevant postgraduate qualification in Cyber Security, Information Security, Computer Science, or a related field. A Master's or PhD degree is strongly preferred.
- Teaching experience in cybersecurity at a tertiary level.
- Industry certifications such as CEH, CISSP, OSCP, CompTIA Security+, or similar.
- Evidence of industry experience or consulting in cybersecurity domains.
- A research portfolio or publications in relevant cybersecurity fields.

**How to Apply:**

Interested candidates should submit the following documents to [vacancies@belgiumcampus.ac.za](mailto:vacancies@belgiumcampus.ac.za)

- A cover letter outlining your suitability for the position.
- A detailed curriculum vitae (CV).
- Copies of academic qualifications.
- Contact information for three professional references.

**Contact Information:**

For further inquiries, please contact [vacancies@belgiumcampus.ac.za](mailto:vacancies@belgiumcampus.ac.za).

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**Belgium Campus ITversity** is an equal opportunity employer. We celebrate diversity and are committed to creating an inclusive environment for all employees.