University of Johannesburg
Academy of Computer Science and Software Engineering
Centre for Cyber Security
Short Learning Program in Cyber Security – Second Intake 2024

This Short Learning Program (SLP) is directed towards parties working full time and who wants to get a formal qualification in Information and Cyber Security. The SLP is on NQF Level 5, and successful students will get an official certificate from the University of Johannesburg.

The courses consist of 5 modules of 3 days each. Each module will be formally examined, and all 5 modules must be passed to pass the course.

Content and dates:

Module 1: Introduction to Information and Cyber Security (ISCSG5)

    Date: 18 – 20 July 2024

- Introduction to security concepts
- Security of Desktop computers
- Internet Security
- Personal data security
- Wireless Security
- Management aspects of security
- Research assignment

Module 2: Introduction to Encryption Techniques (ISTENT2)

    Date: 15 – 17 August 2024

- Symmetric encryption
- Public key encryption
- Digital Certificates/Identities
- Certification Authorities
- Digital signatures
- Research assignment

Module 3: Introduction to Digital Forensics (ISTDIG3)

    Date: 12 – 14 September 2024

- Introduction to computer crime
- Digital forensic investigations
- Handling of digital evidence
- Practical digital forensic investigation
- Research assignment

Module 4: Introduction to Malicious Software and Ethical Hacking (ISTMSE4)

       Date: 10 – 12 October 2024

- Introduction to the different types of malicious software
- Attack vectors used by malicious software
- Use of ethical hacking
- Research assignment

Module 5: Introductions to Cyber Security Governance, Critical Information Infrastructure Protection, Cybercrime and cyber warfare (ISTICS1)
       Date: 7 – 9 November 2024
         Exam Date: Friday, 29 November 2024

- Introduction to Cyber Security Governance
- Introduction to Critical Information Infrastructures and Critical Information Infrastructure Protection (CIIP)
- Computer Security Incident Response Teams (CSIRTs)
- The relationship between Cyber Security Governance and CIIP, Cyber Security, CIIP and Cyber warfare
- Research assignment

ONLINE INTERACTIVE CLASS TIMES: 09:00 –16:00

PLEASE NOTE THAT ONLINE INTERACTIVE CLASSES ARE COMPULSORY AND IT'S YOUR RESPONSIBILITY TO TAKE NOTE OF THESE CLASSES AND EXAM DATES.

Please refer to the timetable for the scheduled class and examination times.
Please refer to the fee structure document for the tuition fees for the course.

The minimum entrance requirements are:

- A Matric certificate or equivalent qualification
- Practical experience in the Information / Cyber Security Industry

The closing date for applications is ***MONDAY, 10 JUNE 2024***. Apply early to avoid disappointment.

Please contact Mrs Tosca Corregedor via e-mail: infocs@uj.ac.za OR alternatively you can contact me on 063 289 2990. I'll be available between 09:00 – 15:00 (Monday – Friday). If I'm unable to answer your call, please feel free to send me an email or a Whatsapp message with your email address and enquiry. ***PLEASE NOTE:*** You can expect a response within 2 business days.

You can also visit the Academy's websites on:

- https://www.uj.ac.za/faculties/science/csweb/Pages/Extra-Curricular.aspx.
- http://adam.uj.ac.za/csi/Courses.html