MASTERS OF SCIENCE IN INFORMATION SYSTEMS SECURITY

Become a Leading IT Security Expert

Practical Approach
International Expert Faculty
Delivery via Video-Conferencing

EiLabAfrica excellence in research
Over the past few years, there have been tremendous increase in the number of cyber-attacks in Kenya and all over the world. A recent study by Strathmore University showed that there is a great shortage of IT Security professionals in Kenya. The country has rapidly grown its technological footprint and most companies are finding themselves playing catch-up with matters related to securing their IT assets. According to a Ministry of Information and Communication Technology report (2014), it is estimated that Kenya is losing more than KSh.4 billion annually through cybercrime.

Strathmore University, in collaboration with global and local key players in IT Security industry, has developed a two year Master of Science in Information System Security (MSc. ISS) course to close the human resource gap. The program is designed specifically to prepare for the challenging task of identifying and delivering relevant solutions to threats that endanger information system resources.

Through collaborations with our Technical Partners, the course will be delivered by experienced international faculty and participants will become familiar with the latest commercial trends and technologies as well as cutting-edge solutions applicable in East Africa.
The MSc. ISS program is ideally suited for Information Security Professionals, Network Administrators and young graduate students who want to assume leadership positions in the Information Security arena. The programme highly focuses on hands-on experience on all the aspects of Information Security.

The programme will prepare a graduate for positions such as:

- CISO: Chief Information Security Officer
- ISAr: Information Security Architect
- ISAn: Information Security Analyst
- IR: Incident Responder
- NSE: Network Security Engineer
- FA: Forensic Analyst
- PT: Penetration Tester
- MA: Malware Analyst
Prequalification

The following are eligible for admission into the Master of Science in Information Systems Security programme:

- Holders of First Class or Upper Second Class Honours degrees in a Computer Science, Information Technology, Business Information Technology, Electrical Engineering or IT related discipline from recognised Universities.

- Holders of other related qualifications from recognised Universities, considered by the Academic Council as equivalent to a First Class or Upper Second Class degree in Computer Science or IT discipline.

- Holders of Lower Second Class degrees in Computer Science or IT, with at least two years IT working experience in a business or research environment.

In addition to meeting the above criteria, it will be an added an advantage if students have:

- Practical experience in design and implementation of computer networks and information systems.

- Experience designing and implementing network security projects including the security policies.

- Experience in monitoring computers and networks.

- A strong interest in Information Security as a career.
Course Delivery

The MSc. ISS course is delivered on part-time basis and is conducted by internationally recognised expert and faculty. A majority of the subjects will be offered by utilising leading-edge technologies such as video conferencing and state-of-the art labs.

What to Expect

Participants will be able to:

- Focus on both technical and managerial aspects of IT Security.
- Benefit from a blend of academic teaching, industry input and practical skill development.
- Specialise with optional modules such as Software Security, Network Security and Computer Forensics.
- Engage with the University’s wider cyber-security community.
Why Take the Course at SU?

- Qualified trainers and internationally recognised faculty.
- State-of-the-art facilities such as forensic labs and video conferencing facilities.
- University of choice in IT and Business in East Africa.

How to Apply

Email: iss@strathmore.edu
Phone: +254-703-034-616
# Technical Partners

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# Academic Partners

| East Carolina University | Warsaw University of Technology |
@iLabAfrica aspires to be an IT Center of Excellence in the region. Cybersecurity threats are prevalent and a major risk to business in Africa. It has become one of our priority research and training areas. Academia should work with government and industry to figure out the best way to take advantage of new technologies to build solutions that solve our country’s security challenges.

Dr. Joseph Sevilla | Director of @iLabAfrica

@iLabAfrica

📍 4th Floor, Student Centre
Ole Sangale Link Road, Madaraka Estate.
P. O. Box 59857 - 00200 City Square, Nairobi, Kenya.

📞 General (+254) (0) 703 034 000
@iLabAfrica (+254) (0) 703 034 616

✉️ ilabafrica@strathmore.edu

www.ilabafrica.ac.ke | www.strathmore.edu
Facebook: iLabAfricaStrathmore

Strathmore University