



*The innovative university for inclusive prosperity*

## BACHELOR OF SCIENCE IN CYBER SECURITY & DIGITAL FORENSICS



### OVERVIEW

The Bachelor of Science in Cyber Security and Digital Forensics programme is to facilitate learners with knowledge, skills and attitudes necessary to address emerging cyber threats and to holistically protect organizations' digital, computer and online assets. The emerging trends in cyber security and digital forensics will continuously inform our curriculum delivery and knowledge dissemination within the philosophy of openness and breaking down boundaries and barriers to learning in all their forms.

#### Cyber Security Career Projections

- Cybersecurity Analyst
- Information Security Specialist
- Security Administrator
- Forensic Analyst
- Blockchain Security Expert
- Cloud Security Specialist



### PROGRAM STRUCTURE

#### Programme Learning Outcomes

On successful completion of this programme, the learner will be able to:

1. Identify cyber security risks and vulnerabilities.
2. Perform digital forensics using appropriate tools, techniques and standards.
3. Protect an organization's ICT assets from external and internal attacks.
4. Develop cybersecurity and digital forensics policies and strategies.

Total credit hours and course units required for graduation  
The programme shall be offered in 8 semesters. The minimum total courses for the programme are 48. The minimum total course credit hours required for graduation is 144 hours.

### ASSESSMENT

**Continuous Assessment Tasks: 50%**  
**Final Examination: 50%**



### ADMISSION REQUIREMENTS

- A mean grade of C+ and above at KCSE OR
- Diplomas or professional qualifications OR
- A certificate of foundation or bridging courses from recognised institutions OR
- A portfolio for the purpose of recognition of prior learning OR
- Kenya Advanced Certificate of Education with a minimum of 1 principal OR
- A bachelor's degree from an institution recognised by Senate.

## APPLICATION PROCESS

1

#### Application Form

Register by completing the online application form.

2

#### Application Screening

Your application will be reviewed to determine if it is a fit with the program.

3

#### Join OUK now

OUK applicants are also eligible for government scholarships and loans as per the new funding model criteria.



# DURATION

4 years

## MODE OF DELIVERY

ONLINE



# CYBER SECURITY



### Flexibility

Students can customize their learning experience to fit their unique needs and commitments; with the freedom to choose courses and set their own learning pace



### Inclusivity

Diversity is celebrated, and efforts are made to ensure that all students and staff have access to resources and support services to enable their success



### Openness

Through open admission criteria, affordable tuition options, and online or distance learning programs, the Open University of Kenya strives to removing barrier to access to education and promote lifelong learning



### Certification

All students qualify for progressive certification towards a bachelor's degree:

- Certificate (one third (1/3) of the credit hours)
- Diploma (two-third of (2/3) of the credit hours)
- Degree (programme full credit hours)

## LEVEL 1 PROGRAM COURSES

### FIRST SEMESTER

### SECOND SEMESTER

Introduction to Computer Systems	Computer Networks
Database systems	Computer Architecture
Differential and Integral Calculus	Physics for Computing Systems and Digital Electronics
Introduction to Programming	Psychology
Digital Markets Architecture	Mathematics for cybersecurity and digital forensics
Introduction to Cybersecurity and Digital Forensics	Discrete Mathematics
IoT and Security	Assembly Language



## READY TO SAFEGUARD THE DIGITAL WORLD AS A CYBERSECURITY EXPERT?

### APPLY NOW!

September 2023 Intake Ongoing!



## Contact Us

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For more information visit the link: <https://ouk.ac.ke>