info campus
INSPIRING THE FUTURE

COSA (Certified Offensive & Soc Analyst)

**Duration
5 month**

**Celebrating 15 years of glorious success
and transforming futures!**

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About Infocampus

Infocampus is a community of learners, educators, and industry professionals dedicated to creating a supportive and dynamic learning environment. Since 2009, we have specialized in IT and networking courses for both beginners and professionals, bridging the gap between theory and practice. Our mission is to prepare students for the evolving tech industry, making us a trusted choice for career advancement in technology.
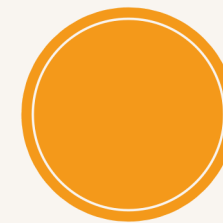
Key Features

- Hands on training for real world application
- Highly experienced and skilled faculties
- State-of-the-Art Infrastructure
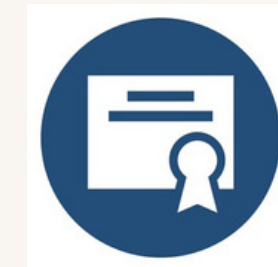- Course completion certificate
- Job Assistance

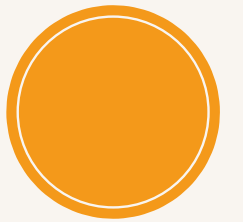# OUR VISION

- ✓ **Assessments**
- ✓ **Projects**
- ✓ **Certification**
- ✓ **Placement**

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COSA (Certified Offensive & Soc Analyst)

Discover the Certified Offensive & SOC Analyst course, a transformative journey into the heart of cyber security defense and offense. This specialized program blends the art of offensive cyber security tactics with the critical skills needed to excel in Security Operations Centers (SOCs). Through immersive labs and real-world simulations, you'll learn to conduct ethical hacking, penetration testing, and threat analysis while mastering the intricacies of SOC monitoring, incident response, threat hunting, Security Information and Event Management (SIEM) platforms.. Equip yourself with the tools and knowledge to detect, analyze, and neutralize cyber threats effectively.

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Course Curriculum

Offensive security

1. Introduction to Cyber security

- .Whats is cyber security
- CIA triad c.Difference classification of cyber security
- Different types of hackers e.Importance of cyber security
- Certifications and positions in cyber security

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2. Network basics

- **What is network**
- **Different types of networking**
- **Osi layers d.Tcp,udp connections**
- **Cisco packet tracer (lab)**

3. Lab setup(virtual box,kali linux)

- **Virtual box installation**
- **Kali linux (OS) installation**

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4. Linux commands

- **Linux basic commands (CLI)**
- **Bash scripting**

5. Ethical hacking

- **Phases of hacking**
- **Ethical hacking labs(over the wire,tryhackme)**

6. Web application pentesting

- **What is pentesting**
- **Difference type of pentesting**
- **Difference between ethical hacking and pentesting**
- **OWASP top 10 vulnerabilities e.Tools installation**
- **Labs**

Defensive security

1. Introduction to Security operation center(soc)

- **What is defensive security**
- **Security operation center(theory)**

2.Splunk

- **Introduction to splunk tool**
- **Security Incident and Event Management (SIEM)**
- **SPLUNK tool installation**

3. Malware analysis

- Owasp guidance for mobile application pentesting
- Lab setup for mobila.What is malware analysis b.Importance of malware analysis c.Types of malware analysise pentesting
- Labs

4. Threat hunting

- Whats is threat hunting
- Thread hunting methodologies
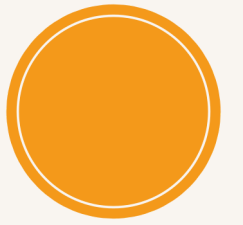- Steps for thread hunting

5. Prevention methods

- **Different methods for preventing attacks**
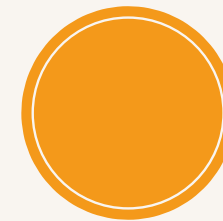- **How to secure our devices and network from external attack**

6. Labs

- **defensive/blue team security labs(BTLO,Lets Defense)**

7. Compliance and Regulations.

- **NIST**
- **ISO 27001**
- **MITRE**

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