

# AUDITING IT INFRASTRUCTURES FOR COMPLIANCE

CERTIFIED SOC ANALYST



# Course Description

The Auditing IT Infrastructures for Compliance course from ECCU imparts the meticulous knowledge and technical skills to lead a SOC (Security Operations Center) team, enabling you to play a pivotal role in protecting your organization from cyber threats while remaining compliant with defined cybersecurity policies and regulations. You'll gain advanced skills in managing various SOC processes like log management and correlation, SIEM deployment, advanced incident detection, incident response, and more.



# Course Learning Outcomes

Upon successful completion of this course, you will be able to:

**01**

Describe basic concepts of SOC processes, procedures, technologies, and workflows.

**02**

Summarize the following concepts: security threats, attacks, vulnerabilities, attackers' behaviors, cyber kill chain, and more.

**03**

Monitor and analyze logs and alerts from various technologies across multiple platforms.

**04**

Implement SIEM solutions and use cases widely implemented across the SIEM deployment.

**05**

Illustrate the fundamental concepts of threat intelligence, different threat intelligence platforms (TIPs), and the benefits of integrating threat intelligence into SIEM.

**06**

Demonstrate the incident response process and show how SOC and IRT provide better incident response.



# Who is it for?

This course is suitable for:



IT/cyber security professionals involved or familiar with SOC functions, network security, threat intelligence, or incident response.



Career changers seeking specialized cyber security knowledge to transition into the field.



Working professionals aiming to upskill or reskill in specific cyber security areas without committing to a full degree program.



Students exploring cyber security who want to test the waters before committing to a full-time degree.



Cyber security enthusiasts who want to learn about SOC functions and develop relevant skills.

## Course Highlights



**DURATION**  
10 weeks



**STUDY HOURS**  
Students need to put in about 13.5 hours a week



**LIVE CLASSES**  
Once a week



**FACULTY**  
Industry Experts

# Why ECCU?



## High Student Satisfaction (89.6%)

Our students are happy! We prioritize creating a positive learning experience that meets your needs and allows you to progress at your own pace.



## Proven Employment Outcomes (100%)

Land your dream job! 100% of our graduate's report securing employment within a year of completing their courses. Our curriculum equips you with the knowledge and skills employers seek.



## Achieve Your Goals (93.8%)

We support you at every step of the way. A staggering 93.8% of our students successfully achieve their goals upon course completion.



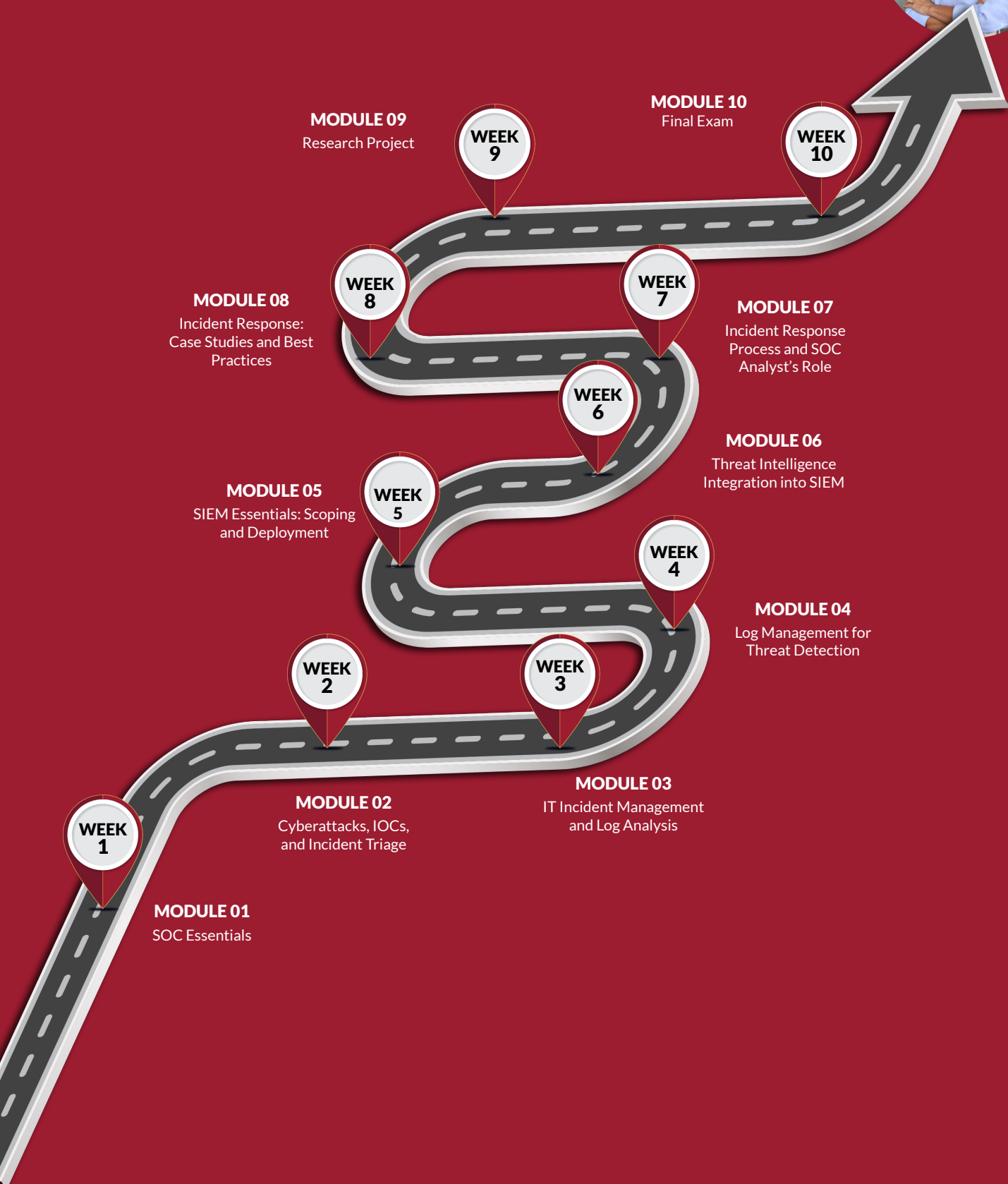
## Stay Motivated (91.55%)

Stay engaged and reach your full potential! Our course fosters a high motivation index of 91.55% ensuring you stay committed to your studies and achieve success.

# Skills You Will Gain



# Course Outline



# Attaining the C|SA Certification



Number of Questions  
**100**



Test Format  
**Multiple-Choice**



Duration  
**3 hours**



Availability:  
**EC-Council  
University Portal**

## Holistic Education at ECCU



Acquire in-depth knowledge through ECCU's resources and platforms.



Master technical skills with hands-on expertise in ECCU's iLABS.



Enhance soft skills, such as communication and problem-solving.



## Common Job Roles for C|SA

- SOC Analyst
- SOC Manager
- Director of Security Operations/ SOC Director
- SOC Administrator
- IT Administrator
- Incident Response Specialist
- Incident Response Manager
- SEIM Analyst
- Threat Intelligence Analyst
- Cybersecurity Engineer
- SOC Consultant
- Network Security Administrator
- IT Security Auditor
- And Many More!

# Unveil the True University Experience!



**Real-time Updates**



**Assignments**



**Assessments**



**Comprehensive  
Resources**



**Student  
Interaction**



**Faculty Interaction**



**24x7 LMS Support**



**Complete Updated  
Courseware**



**24x7 Online Library**



# Meet Our Faculty



Dr. David Moured, PhD



Yuri Diogenes, MS



Sandro Tuccinardi, JD



Pamela Garret, MBA



Brian McDaniel, MS



Julie Beck, MS



Chris Barnhart



Warren Mack, PhD

# Meet Our Alumni



*Master's of Science in Cybersecurity at EC-Council University fueled my career shift from IT general engineer to cloud security engineer, with two promotions along the way!*

**- Takahiro Oda**  
Master's of Science in Cybersecurity  
Cloud infrastructure security engineer  
at PayPay Corporation

*I have not seen any scarcity in the cybersecurity and information security market. In fact, I went from a security analyst to a senior manager at one of India's leading general insurance companies after earning my degree from EC-Council University.*

**- Varad Gunjkar**  
Master's of Science in Cybersecurity  
Senior Manager at ICICI Lombard



# EC-COUNCIL UNIVERSITY

ACCREDITED. FLEXIBLE. ONLINE.

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