

SECURE PROGRAMMING

Certified Application Security Engineer

Course Description

ECCU 510 is a hands-on, Instructor-led, comprehensive application security course, which encompasses security activities involved in all of the phases of Software Development Lifecycle (SDLC). The course also focuses on selecting and implementing the right security strategies, guidelines, and practices that are widely accepted and applicable to most environments used today.



Course Learning Outcomes

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

01

Identify and list the importance of Application Security and most Common Application-level Attacks.

02

Demonstrate ways to secure the applications in all the phases of the Software Development Life Cycle (SDLC).

03

Implement secure deployments involving secure practices at the host, network, application, IIS, .NET, and SQL server levels.

04

Design secure application architecture and implement secure coding practices.

05

Recall authentication and authorization defensive techniques, cryptographic practices, defensive coding practices, and various session management techniques.

06

Perform defensive coding practices and run Static Application Security Testing (SAST), Dynamic Application Security Testing (DAST), and secure deployment.



Who is it for?

This course is suitable for:



NET Developers with a minimum Of 2 years Of experience and want to become:

- Application Security Engineers/ Analysts/Testers
- Individuals Involved In The Role Of Developing, Testing, Managing, Or Protecting Wide Area Of Application



Career changers who want to gain AI driven skillset in cybersecurity to transition into the field.



Working professionals who want to upskill or reskill in specific cybersecurity areas without committing to a full degree program.



Students exploring cybersecurity who want to test the waters before committing to a degree program.



Anyone with an interest in cybersecurity who wants to learn more about the field 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.

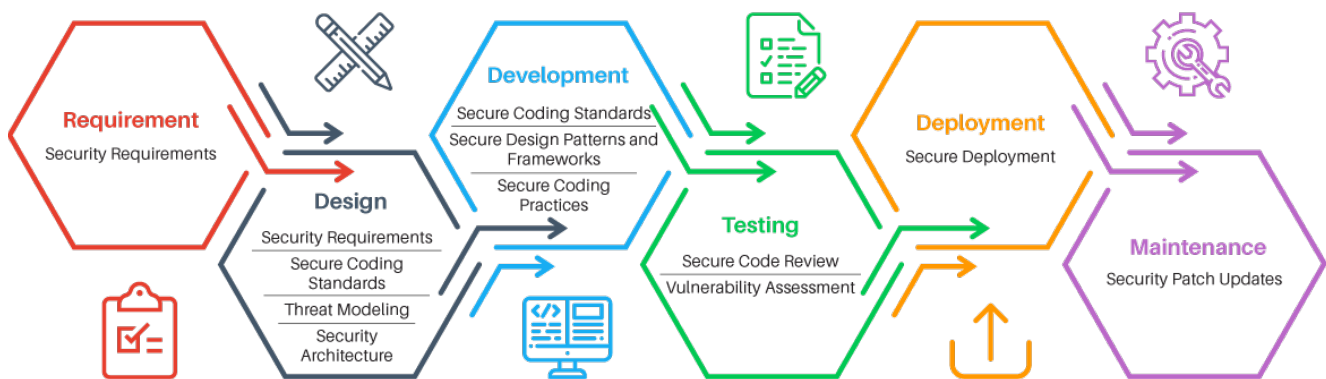


Stay Motivated (91.55%)

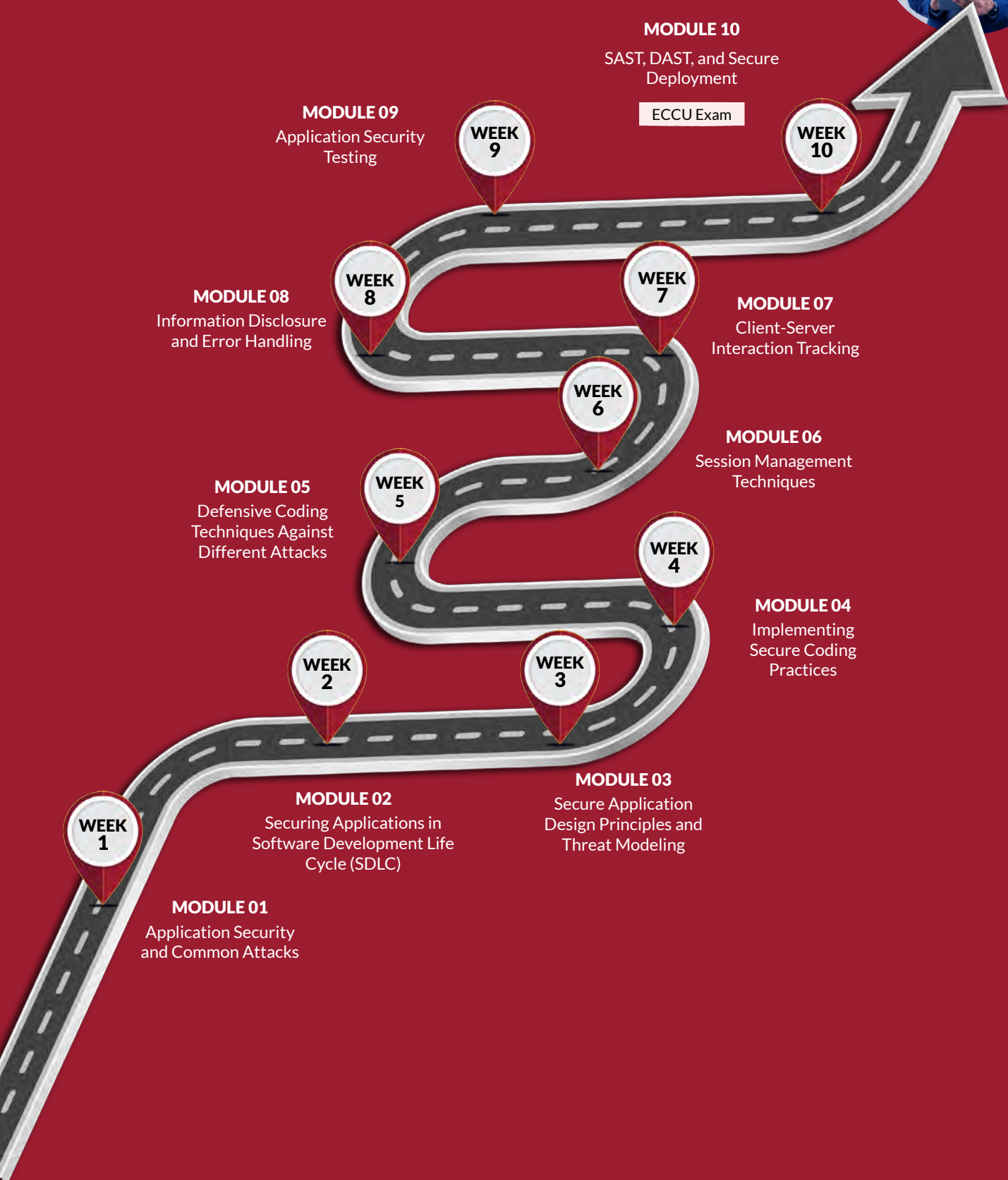
Stay engaged and reach your full potential! Our course fosters a high motivation index of 91.55% ensuring you stay committed to your studies and achieve success.



Secure the Software Development Lifecycle



Course Outline



Attaining the C|EH Certification



Number of Questions
50



Test Format
Multiple-Choice



Duration
2 hours



Availability:
**EC-Council
University Portal**



Common Job Roles for CASE

- Application Security Engineer
- Software Developer
- Security Analyst
- Penetration Tester
- Security Consultant
- DevSecOps Engineer
- Security Architect
- Application Security Consultant
- Secure Code Reviewer
- Security Auditor

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.

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



A laptop screen is shown in the background, displaying a warning message. On the left, there is a yellow triangle with an exclamation mark and the word "MALWARE" below it. On the right, there is a progress bar and text that reads "DATA LOADED: 100%", "PROCESS COMPLETE", and "SUMMARY: 250 FILES".

EC-COUNCIL UNIVERSITY

ACCREDITED. FLEXIBLE. ONLINE.

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