

CONDUCTING PENETRATION AND SECURITY TESTS

CERTIFIED PENETRATION TESTING PROFESSIONAL

Course Description

This course is designed to help you master the international standards for penetration testing. You'll learn to identify and exploit vulnerabilities while navigating the complex security risks across various environments. From planning and executing penetration tests to gathering critical information, this course covers it all. Gain hands-on experience in external and internal network testing, and assess routers, firewalls, IDS, and wireless networks. Additionally, you'll explore advanced topics such as social engineering, cloud infrastructure, IoT, OT networks, and the essential documentation and reporting of your findings. Prepare to become a key player in cybersecurity with this in-depth training.



Course Learning Outcomes

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

01

Identify vulnerabilities through penetration testing, accounting for various security risks.

02

Recommend post-penetration-test actions based on the probability of exploitation determined through penetration testing.

03

Assess the risk of exploitation using penetration test protocols on web application vulnerabilities.

04

Evaluate security threats and controls in Internet of Things (IoT) and Operational Technology (OT) networks.

05

Audit wireless networks for various vulnerabilities.

06

Assess the security of an organization's cloud infrastructure through penetration testing methodology.

Who is it for?

This course is suitable for:



Career changers looking to gain specialized knowledge in cybersecurity to transition into the field.



Working professionals aiming 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.

C|PENT: Master Multiple Disciplines



The course simulates an enterprise network that must be attacked, exploited, evaded, and defended.



C|PENT tests a Penetration Tester's skills across diverse "network zones."



C|PENT stands out by requiring candidates to handle varied scopes of work, testing their adaptability.



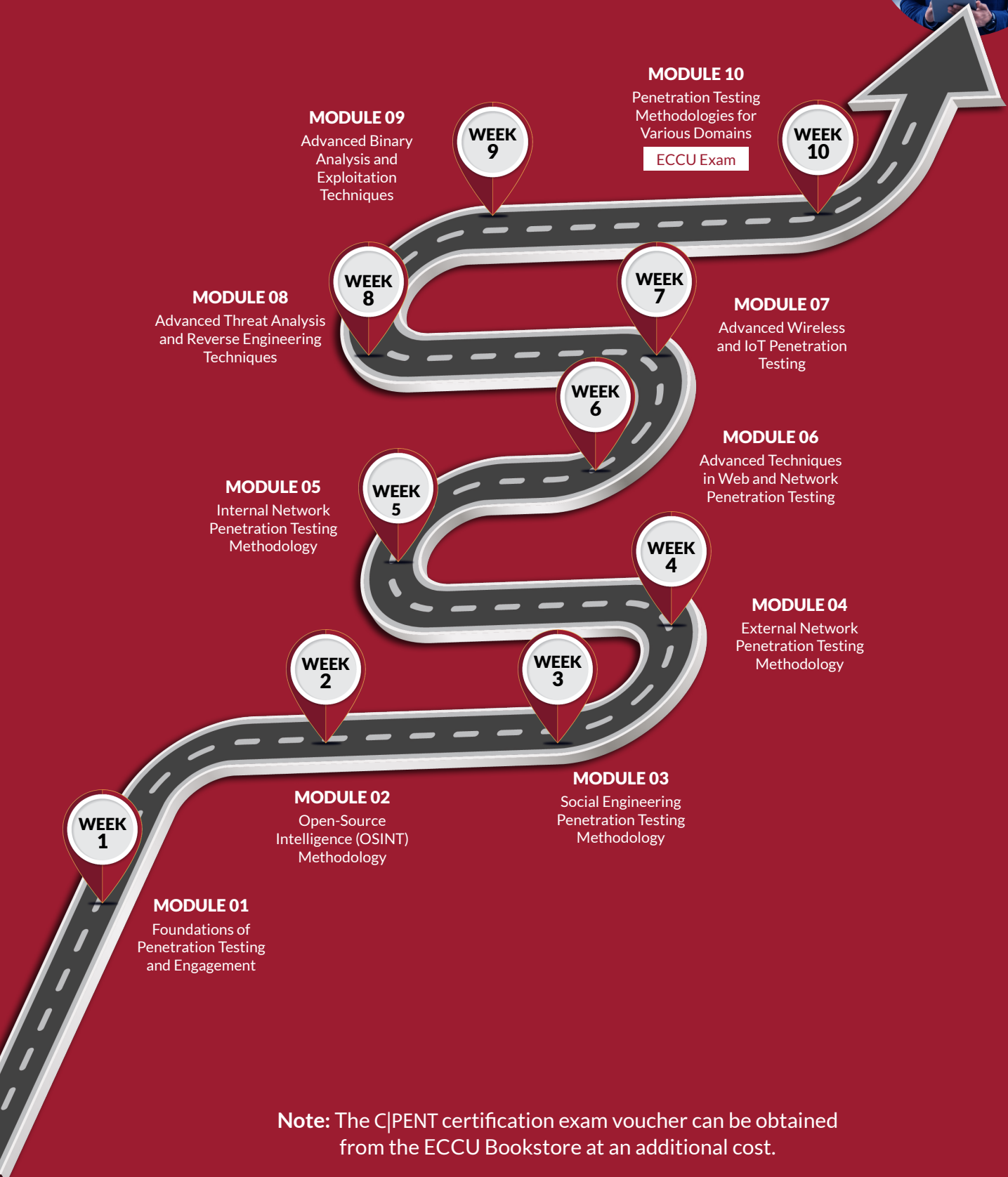
Different zones represent various testing types within the assessment.



Test-takers must perform their assessments across these distinct zones.



Course Outline



Attaining the C|PENT Certification



Number of Challenges

Two sessions each
containing 5 Challenges



Test Format

Online Practical
Questions



Duration

Session 1: 12 hours
Session 2: 12 hours



Availability

EC-Council
University Portal



Common Job Roles for C|PENT

- Ethical Hackers
- Penetration Testers
- Network Server Administrators
- Firewall Administrators
- Security Testers
- System Administrators and Risk Assessment Professionals
- Cybersecurity Forensic Analyst
- Cyberthreat Analyst
- Cloud Security Analyst
- Information Security Analyst
- Application Security Analyst
- Cybersecurity Assurance Engineer
- Security Operations Center (SOC) Analyst
- Technical Operations Network Engineer
- Information Security Engineer
- Network Security Penetration Tester
- Network Security Engineer
- Information Security Architect

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



EC-COUNCIL UNIVERSITY

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