



Certified Cyber Threat Analyst (CCTA) - Advanced Threat Hunting Training Course



AGILE LEADERS
Training Center



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Course Overview

In today's cyber landscape, organizations face constant threats that require skilled cybersecurity professionals to identify, analyze, and mitigate risks effectively. The Certified Cyber Threat Analyst CCTA Training - Advanced Threat Hunting Course is designed to equip participants with cutting-edge threat hunting techniques, cyber intelligence frameworks, and incident response strategies.

This comprehensive cybersecurity threat analyst course blends theoretical knowledge with hands-on labs, providing real-world threat hunting experience. Participants will learn how to implement cyber threat intelligence frameworks, develop risk assessment methodologies, and enhance their organization's security posture.

By earning the PECB Cyber Threat Analyst certification, professionals validate their expertise in cybersecurity risk management, advanced threat hunting, and cyber threat detection. Whether you're an SOC analyst, incident responder, or penetration tester, this course offers the skills and knowledge needed to excel in cybersecurity defense strategies.

Target Audience

- Cybersecurity professionals SOC analysts, incident responders, security engineers
- IT infrastructure managers
- Security managers and director
- Ethical hackers and penetration testers
- Risk management professionals
- Aspiring cybersecurity professionals

Targeted Organizational Departments

- Security Operations Center SOC teams
- Incident response and forensic investigation teams
- IT security and compliance departments
- Threat intelligence and cybersecurity governance teams
- Risk management and auditing departments



Targeted Industries

- Financial institutions and banking
- Healthcare and pharmaceuticals
- Government and defense
- Telecommunications and IT services
- E-commerce and retail
- Energy and critical infrastructure

Course Offerings

By the end of this course, participants will be able to:

- Identify cyber threats and attack frameworks to assess organizational risks
- Develop cyber threat intelligence strategies to predict and mitigate attacks
- Implement advanced threat hunting techniques for proactive security measures
- Execute incident response and management plans to minimize cyber incidents
- Utilize cybersecurity monitoring techniques to enhance threat detection
- Formulate and validate threat hunting hypotheses using data-driven approaches
- Conduct cyber forensic investigations to analyze attack patterns
- Apply cybersecurity continual improvement strategies to fortify defenses

Training Methodology

This interactive cybersecurity training combines:

- Live expert-led sessions with real-world case studies
- Hands-on cyber threat analysis training with advanced tools
- Simulated cyber attack scenarios to test incident response readiness
- Industry best practices for cybersecurity compliance and governance

Course Toolbox

- Cyber attack framework templates for real-world application
- Access to online cybersecurity resources for continuous learning
- Threat intelligence case studies to understand adversary tactics

Course Agenda



Day 1: Foundations of Cyber Threat Analysis and Intelligence

- **Topic 1:** Introduction to Cyber Threat Analysis and Training Course Objectives
- **Topic 2:** Cyber Threat Overview - Types, Characteristics, and Attack Vectors
- **Topic 3:** Cyber Threat Intelligence - Fundamentals and Key Sources
- **Topic 4:** Cyber Threat and Attack Frameworks MITRE ATT&CK, Lockheed Martin Cyber Kill Chain
- **Topic 5:** Threat Modeling - Identifying and Assessing Potential Risks
- **Topic 6:** Understanding the Role of Cyber Threat Analysts in Security Operations
- **Reflection & Review:** Key takeaways from cyber threat intelligence and frameworks

Day 2: Threat Hunting Strategies and Incident Response Planning

- **Topic 1:** Fundamentals of Incident Response and Management Plans
- **Topic 2:** Threat Hunting Fundamentals - Proactive Security Strategies
- **Topic 3:** Preparing a Threat Hunting Program - Setting Objectives and Goals
- **Topic 4:** Executing the Threat Hunting Process - Techniques and Methodologies
- **Topic 5:** Incident Detection and Response - Integrating SOC Operations
- **Topic 6:** Cybersecurity Risk Management - Identifying and Addressing Vulnerabilities
- **Reflection & Review:** Best practices for incident response and threat hunting execution

Day 3: Advanced Threat Hunting and Threat Intelligence Utilization

- **Topic 1:** Data Collection and Analysis for Threat Hunting
- **Topic 2:** Formulating and Validating Threat Hunting Hypotheses
- **Topic 3:** Cyber Threat Hunt Reporting and Documentation Techniques
- **Topic 4:** Threat Intelligence Frameworks - Practical Implementation in Organizations
- **Topic 5:** Cybersecurity Monitoring Techniques - Enhancing Continuous Threat Detection
- **Topic 6:** Security Operations Center SOC Training - Optimizing Threat Response Efficiency
- **Reflection & Review:** Lessons learned from hands-on threat hunting and intelligence utilization

Day 4: Cybersecurity Culture, Compliance, and Continuous Improvement

- **Topic 1:** Threat Hunting Metrics - Measuring Performance and Effectiveness
- **Topic 2:** Cybersecurity Awareness and Training Programs - Strengthening Organizational Defense
- **Topic 3:** Cybersecurity Compliance and Governance - Frameworks and Regulations
- **Topic 4:** Cybersecurity Forensic Investigation - Tracing and Analyzing Cyber Incidents
- **Topic 5:** Continual Improvement in Cyber Threat Hunting - Adaptive Security Strategies
- **Topic 6:** Cyber Threat Mitigation Strategies - Strengthening Defense Mechanisms
- **Reflection & Review:** Strategies for developing a resilient cybersecurity culture



Day 5: Practical Training Course Categories

Topic 1: Cybersecurity Professional Certification - Exam Overview and Preparation
Cyber Threat Intelligence - Simulation - Incident Response - Advanced Threat Hunting - Hidden Threats - Lessons Learned - Tips for Success - Certification Review



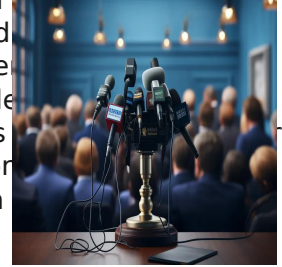
FAQ Finance and Accounting Training Courses



Agile PM and Project Management Training Courses

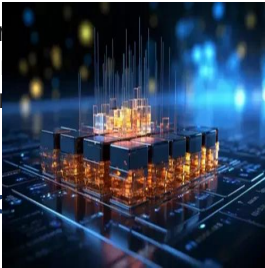


Certified Courses By International Bodies



Communication and Public Relations Training Courses

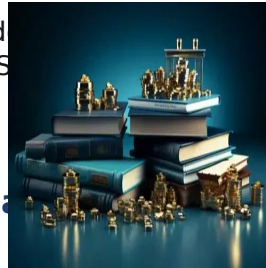
What specific qualifications or prerequisites are needed for participants before enrolling in the course?



Data Analytics Training and Data Science Courses



Environment & Sustainability Training Courses



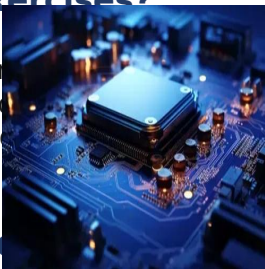
Governance, Risk and Compliance Training Courses



Human Resources Training and Development Courses

Each day's session runs 4-5 hours, including interactive labs, discussions, and hands-on exercises. The total course duration is 20-25 hours over five days.

What tools will participants use during the hands-on threat hunting exercises?



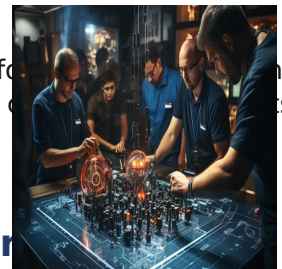
IT Security Training & IT Training Courses



Leadership and Management Training Courses



Legal Training, Procurement and Contracting Courses



Maintenance Training and Engineering Training Courses

The Certified Cyber Threat Analyst (CCTA) Training - Advanced Threat Hunting Course stands out by:

- Integrating real-world cyber threat analysis frameworks with hands-on labs
- Focusing on proactive threat hunting techniques, not just reactive security measures
- Offering advanced cybersecurity monitoring techniques for continuous threat detection
- Providing expert-led training from cybersecurity professionals with industry experience
- Aligning with global cybersecurity compliance and governance standards



Training Course Categories



Marketing, Customer Relations, and Sales Courses



Occupational Health, Safety and Security Training Courses



Oil & Gas Training and Other Technical Courses



Personal & Self-Development Training Courses



Quality and Operations Management Training Courses



Secretarial and Administration Training Courses



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Training Cities



Accra - Ghana



Amman - Jordan



Amsterdam - Netherlands



Baku - Azerbaijan



Bali - Indonesia



Bangkok - Thailand



Barcelona - Spain



Cairo - Egypt



Cape town - South Africa



Casablanca - Morocco



Doha - Qatar



Dubai - UAE



Geneva - Switzerland



Istanbul - Turkey



Jakarta - Indonesia



Johannesburg - South Africa

Training Cities



Kuala Lumpur - Malaysia



Langkawi - Malaysia



London - UK



Madrid - Spain



Manama - Bahrain



Milan - Italy



Nairobi - Kenya



Paris - France



Phuket - Thailand



Prague - Czech Republic



Rome - Italy



Sharm El-Sheikh - Egypt



Tbilisi - Georgia



Tokyo - Japan



Vienna - Austria



Zanzibar - Tanzania



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Training Cities



**Zoom - Online
Training**

WHO WE ARE

Agile Leaders is a renowned training center with a team of experienced experts in vocational training and development. With 20 years of industry experience, we are committed to helping executives and managers replace traditional practices with more effective and agile approaches.

OUR VISION

We aspire to be the top choice training provider for organizations seeking to embrace agile business practices. As we progress towards our vision, our focus becomes increasingly customer-centric and agile.

OUR MISSION

We are dedicated to developing value-adding, customer-centric agile training courses that deliver a clear return on investment. Guided by our core agile values, we ensure our training is actionable and impactful.

WHAT DO WE OFFER

At Agile Leaders, we offer agile, bite-sized training courses that provide a real-life return on investment. Our courses focus on enhancing knowledge, improving skills, and changing attitudes. We achieve this through engaging and interactive training techniques, including Q&As, live discussions, games, and puzzles.



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