

EC-Council Certified Offensive AI Security Professional (COASP) + Voucher d'examen

Durée: 5 Jours Réf de cours: COASP

Résumé:

Certified Offensive AI Security Professional (COASP) validates the competencies required for practitioners who need to demonstrate offensive AI security skills, emulating adversaries, validating defenses, and leading red-team/blue-team exercises to keep AI resilient, reliable, and auditable.

The Certified Offensive AI Security Professional (COASP) equips you to identify and neutralize AI-specific threats before attackers do. And Bridges security, engineering, and data science so controls exist across the full AI life cycle.

Participants will gain hands-on experience to perform end-to-end adversarial testing and deliver defensive validation evidence including the ability to simulate adversarial AI kill chains, Harden AI architectures by secure system prompts, context windows, tool integrations, RAG pipelines, and agent memory, Conducting AI security assessments aligned to MITRE ATLAS, OWASP LLM/ML Top 10, NIST AI RMF, and DoD Test & Evaluation practices , This course covers how to build SOC-ready capabilities for AI-focused detection logic, incident playbooks, and forensic procedures , & how to execute prompt injection, adversarial prompting , Assess AI supply-chain risk , Implement defensive engineering controls and Produce assurance and compliance artifacts.

By the end of the course, learners will be well-prepared to take the Certified Offensive AI Security Professional (COASP) exam and demonstrate the ability to exploit vulnerabilities in LLMs and agents, and build defense that survive real world attacks, learners will master offensive techniques that break AI before the attackers do

This course includes an exam voucher.

Public visé:

This course is ideal for security professionals who wish to master offensive and defensive AI security techniques:

OFFENSIVE SECURITY

- Penetration Tester/Ethical Hacker
- Red Team Operator/Red Team Lead
- Offensive Security Engineer
- Adversary Emulation/Purple Team Specialist

DEFENSIVE SECURITY

- SOC Analyst (Tier 2/3)/Detection Engineer
- Blue Team Engineer/Threat Detection Engineer
- Incident Responder (IR)/DFIR Analyst
- Security Operations Manager (SOC Lead)

THREAT INTELLIGENCE

- Malware Analyst/Threat Researcher
- Cyber Threat Intelligence (CTI) Analyst – AI Focus
- Fraud/Abuse Detection Analyst (AI-enabled threats)

AI/ML ENGINEERING

- ML Engineer/Applied AI Engineer
- GenAI Engineer (RAG/Agents)
- AI/LLM Application Developer
- MLOps/AI Platform Engineer

SECURITY ENGINEERING

- DevSecOps/Secure DevOps Specialist
- Application Security Engineer (LLM Apps/APIs)
- Product Security Engineer/AI Product Security

AI SECURITY ARCHITECTURE

- Secure AI Engineer/AI Security Architect
- LLM Systems Engineer

Objectifs pédagogiques:

- After this course participants should be able to:
- Execute prompt injection, jailbreaking, and prompt chaining attacks
- Red-team AI agents, including memory corruption, tool misdirection, and checkpoint manipulation
- Apply OWASP LLM Top 10 and MITRE ATLAS frameworks
- Conduct adversarial ML attacks, including data poisoning and model extraction
- Build detection rules and hardening strategies for AI systems

Pré-requis:

- EC-AIE - EC-Council Artificial Intelligence Essentials (AIE) + Voucher d'examen

Test et certification

Certified Offensive AI Security Professional COASP certification equips candidates to validate advanced skills in offensive testing, assessment, and defense of artificial intelligence systems. It is designed for cybersecurity professionals who are responsible for identifying, exploiting, and mitigating vulnerabilities unique to AI driven technologies, including machine learning models, generative AI systems, and AI supply chains.

- Certified Offensive AI Security Professional (COASP)
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Après cette formation, nous vous conseillons le(s) module(s) suivant(s):

Learners can progress to EC-Council's Certified AI Program Manager (C|AIPM) or Certified Responsible AI Governance & Ethics (C|RAGE), depending on career goals.

- CAIPM - EC-Council Certified AI Program Manager (CAIPM) + Voucher d'examen
 - CRAGE - EC-Council Certified Responsible AI Governance & Ethics (CRAGE) + Voucher d'examen
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Contenu:

Module 1 Offensive AI and AI System Hacking Methodology

Module 5 Adversarial Machine Learning and Model Privacy Attacks

Module 9 AI Security Testing, Evaluation, and Hardening

Module 2 AI Reconnaissance and Attack Surface Mapping

Module 6 Data and Training Pipeline Attacks

Module 10 AI Incident Response and Forensics

Module 3 AI Vulnerability Scanning and Fuzzing

Module 7 Agentic AI and Model-to-Model Attacks

Module 4 Prompt Injection and LLM Application Attacks

Module 8 AI Infrastructure and Supply Chain Attacks

Autres moyens pédagogiques et de suivi:

- Compétence du formateur : Les experts qui animent la formation sont des spécialistes des matières abordées et ont au minimum cinq ans d'expérience d'animation. Nos équipes ont validé à la fois leurs connaissances techniques (certifications le cas échéant) ainsi que leur compétence pédagogique.
- Suivi d'exécution : Une feuille d'embarquement par demi-journée de présence est signée par tous les participants et le formateur.
- En fin de formation, le participant est invité à s'auto-évaluer sur l'atteinte des objectifs énoncés, et à répondre à un questionnaire de satisfaction qui sera ensuite étudié par nos équipes pédagogiques en vue de maintenir et d'améliorer la qualité de nos prestations.

Délais d'inscription :

- Vous pouvez vous inscrire sur l'une de nos sessions planifiées en inter-entreprises jusqu'à 5 jours ouvrés avant le début de la formation sous réserve de disponibilité de places et de labs le cas échéant.
- Votre place sera confirmée à la réception d'un devis ou "booking form" signé. Vous recevrez ensuite la convocation et les modalités d'accès en présentiel ou distanciel.
- Attention, si cette formation est éligible au Compte Personnel de Formation, vous devrez respecter un délai minimum et non négociable fixé à 11 jours ouvrés avant le début de la session pour vous inscrire via moncompteformation.gouv.fr.

Accueil des bénéficiaires :

- En cas de handicap : plus d'info sur globalknowledge.fr/handicap
 - Le Règlement intérieur est disponible sur globalknowledge.fr/reglement
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