



IT MANAGEMENT AND CYBER SECURITY | IMCS-012

Security Operations Centre (SOC) Management

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Course content

Why Attend

A security operations centre monitors, detects and responds to cyber threats around the clock. Building and running an effective SOC requires the right people, processes, technology and metrics.

This Aractech course covers SOC models, people and skills, processes and playbooks, SIEM and security tooling, threat detection use cases, triage and escalation, incident handling, metrics and continuous improvement, and outsourcing decisions. Participants design SOC processes and performance measures.

Course Methodology

- Process design workshops
- Tool demonstrations
- Case studies
- Playbook exercises
- Metrics discussions

Course Objectives

- Explain SOC functions and operating models
- Define SOC roles, skills and staffing
- Design SOC processes and playbooks
- Use SIEM and security tools effectively
- Manage alert triage and escalation
- Measure and improve SOC performance

Target Audience

- SOC managers and team leads
- Security analysts

Course content

- Information security managers
- IT operations managers

Course outline

Detailed course outline

Day-by-day outline for Security Operations Centre (SOC) Management.

Day 1 - SOC Fundamentals

- 09:00-09:39 | Purpose of a SOC
- 09:39-10:18 | Operating models
- 10:18-10:57 | In-house versus managed
- 10:57-11:00 | Maturity levels
- 11:00-11:30 | Coffee break
- 11:30-12:05 | Maturity levels (continued)
- 12:05-12:43 | Business case
- 12:43-14:00 | Exercise: SOC maturity review

Day 2 - People and Processes

- 09:00-09:39 | Roles and tiers
- 09:39-10:18 | Skills and training
- 10:18-10:57 | Shift models
- 10:57-11:00 | Processes
- 11:00-11:30 | Coffee break
- 11:30-12:05 | Processes (continued)
- 12:05-12:43 | Playbooks
- 12:43-14:00 | Workshop: Playbook design

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Day 3 - Technology

- 09:00-09:39 | SIEM
- 09:39-10:18 | EDR and XDR
- 10:18-10:57 | SOAR and automation
- 10:57-11:00 | Threat intelligence feeds
- 11:00-11:30 | Coffee break
- 11:30-12:05 | Threat intelligence feeds (continued)
- 12:05-12:43 | Log sources
- 12:43-14:00 | Demonstration: SIEM workflow

Day 4 - Detection and Response

- 09:00-09:39 | Use-case development
- 09:39-10:18 | Alert triage
- 10:18-10:57 | Escalation
- 10:57-11:00 | Incident handling
- 11:00-11:30 | Coffee break
- 11:30-12:05 | Incident handling (continued)
- 12:05-12:43 | Threat hunting links
- 12:43-14:00 | Simulation: Alert triage

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Day 5 - Performance and Improvement

- 09:00-09:45 | SOC metrics
- 09:45-10:30 | Reporting
- 10:30-11:00 | Reducing alert fatigue
- 11:00-11:30 | Coffee break
- 11:30-11:45 | Reducing alert fatigue (continued)
- 11:45-12:30 | Continuous improvement
- 12:30-13:15 | Outsourcing management
- 13:15-14:00 | Capstone: SOC improvement plan

Seminar dates

Available seminar dates

Live dates and pricing for Security Operations Centre (SOC) Management generated from the course details page.

Date	Location	Format	Fee
16 - 20 November 2026	Amsterdam	Classroom	€2,830
7 - 11 December 2026	Paris	Classroom	€3,825
21 - 25 December 2026	Barcelona	Classroom	€2,815
18 - 22 January 2027	London	Classroom	€2,315
15 - 19 February 2027	Munich	Classroom	€3,225
15 - 19 March 2027	Amsterdam	Classroom	€2,830
19 - 23 April 2027	Istanbul	Classroom	€1,978
17 - 21 May 2027	London	Classroom	€2,315
21 - 25 June 2027	Barcelona	Classroom	€2,815
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