BOARD INFINITY

COURSE 3 OF 3 · CYBERSECURITY FUNDAMENTALS WITH CISCO TOOLS

Advanced Cybersecurity Risk Management

Full course syllabus - every module, video lesson, reading and assignment, from risk frameworks to risk strategy.

Board Infinity
Instructor · Offered on Coursera

3	20	10	1 week
Modules	Video lessons	Assignments	At 10 hours a week

INSIDE THE COURSE

01	Risk Management Tools and Techniques	4 hours to complete
02	Security Operations and Incident Handling	3 hours to complete
03	Strategic Integration of Risk Management	3 hours to complete

Enroll on Coursera

https://www.coursera.org/learn/advanced-cybersecurity-risk-management

01 ABOUT THE COURSE

From risk frameworks to risk strategy.

This advanced course builds a deep understanding of risk management frameworks - ISO, NIST and COBIT - and how each is applied and integrated into organizational practice, alongside technology for risk monitoring: automation, big data analytics and machine learning.

It then covers incident response, SOC essentials and continuous improvement, and closes by aligning risk with business strategy, measured with performance metrics - 20 videos, 7 readings and 10 assignments in all.

WHO IT'S FOR

Security analysts
Moving from day-to-day security into risk.

GRC professionals
Applying ISO, NIST and COBIT in context.

SOC teams
Strengthening incident response and workflows.

IT & security leads
Aligning security with business objectives.

WHAT YOU'LL LEARN

01 **Apply risk frameworks** Module 1
Analyze ISO, NIST and COBIT to determine their appropriate applications in organizational contexts

02 **Monitor risk with technology** Module 1
Use automation, dashboards, big data and machine learning to predict and track risk

03 **Handle incidents** Module 2
Evaluate incident response strategies and implement best practices for continuous improvement

04 **Integrate with strategy** Module 3
Create integrated risk plans aligned with business objectives, measured with performance metrics

02 SYLLABUS

Three modules, tools to strategy.

1 week to complete at 10 hours a week. Flexible schedule - learn at your own pace.

01 Risk Management Tools and Techniques

4 hours

ISO, NIST and COBIT, risk technology and resilience tools

8 videos

BY THE END OF THIS MODULE YOU CAN

- Compare ISO, NIST and COBIT, and integrate them into an organization
- Use automation, dashboards, big data and analytics for risk monitoring
- Evaluate threat detection, response and cloud-based security tools

CONTENTS: 8 videos (51 min) · 3 readings (30 min) · 4 assignments (150 min)

PLUGIN: Quick Course Check-In (5 min)

TOPICS: Using Risk Management Frameworks · Technology for Risk Management · Cybersecurity Resilience Tools

You'll leave with: the major frameworks and the technology used to monitor risk.

02 Security Operations and Incident Handling

3 hours

Incident response, threat intelligence and SOC essentials

6 videos

BY THE END OF THIS MODULE YOU CAN

- Plan and execute incident response, using threat intelligence
- Review incidents and turn lessons learned into improvement
- Describe SOC roles, tools and effective workflows

CONTENTS: 6 videos (40 min) · 2 readings (20 min) · 3 assignments (120 min)

TOPICS: Incident Response Strategies · Security Operations Center (SOC) Essentials

You'll leave with: a structured incident response approach and a view of how a SOC runs.

03 Strategic Integration of Risk Management

KPIs, measuring controls, business alignment and emerging threats

3 hours
6 videos

BY THE END OF THIS MODULE YOU CAN

- Define key performance indicators (KPIs) for cybersecurity
- Measure the effectiveness of risk controls and assess risk performance
- Align risk management with organizational objectives
- Prepare for dynamic risk environments and emerging threats

CONTENTS: 6 videos (42 min) · 2 readings (20 min) · 3 assignments (120 min)

TOPICS: Performance Metrics for Risk Management; Future Trends and Evolving Risks

You'll leave with: a risk program tied to business goals and measured with KPIs.

03 TOOLS & SKILLS

The frameworks you work with.

ISO, NIST & COBIT — Frameworks

Differences, applications and integration.

In this course: Choosing and combining frameworks for an organization.

Risk dashboards & automation — Monitoring

Real-time alerts, big data and machine learning.

In this course: Predicting and tracking risk.

SOC tools & threat intel — Operations

The technologies used in Security Operations Centers.

In this course: Incident handling and SOC workflows.

KPIs & performance metrics — Measurement

Measuring controls and communicating outcomes.

In this course: Tying risk to business objectives.

SKILLS YOU LEAVE WITH

Managing risk

- Cyber Risk
- Risk Management
- Risk Management Framework
- Risk Control

Running operations

- Incident Response
- Cyber Operations
- Cyber Threat Intelligence
- Security Management

Setting strategy

- Cyber Security Strategy
- Security Strategy
- KPIs
- Performance Measurement

04 CERTIFICATE & CAREER

Finish with a shareable certificate.

Add it to LinkedIn
Add this credential to your LinkedIn profile, resume, or CV.

Share it anywhere
Share it on social media and in your performance review.

Earned, not attended
Awarded on a graded quiz in each of the three modules.

Course 3 of 3
Completes Cybersecurity Fundamentals with Cisco Tools.

WHERE THESE SKILLS COUNT

Cybersecurity Risk Analyst · GRC Analyst · Incident Response Analyst · SOC Analyst · Security Manager · Security Consultant

Board Infinity

Instructor · Offered on Coursera · Rated 4.9 (10 reviews)

Intermediate level · English + 3 languages · Flexible schedule

Ready to lead on cyber risk?

Enrollment, lessons, grading and the certificate all happen on Coursera.

Enroll on Coursera

Course page: coursera.org/learn/advanced-cybersecurity-risk-management

Want a coach alongside the course?

Board Infinity 1:1 coaching is a separate, optional Board Infinity offering - it is not part of the Coursera course. Details: https://www.boardinfinity.com/career-coaching/

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