COURSE SYLLABUS

RMF Foundations: From Risk to Authorization (Self-Paced)

Learn the full NIST Risk Management Framework lifecycle, from categorizing a system to authorizing it to operate.

> Group classes (Live Online) and onsite training are available for this course. For more information, email onsite@graduateschool.edu or visit: https://www.graduateschool.edu/courses/rmf-foundations-from-risk-to-authorization-self-paced



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Course Outline

Module 1: RMF Orientation and Risk Fundamentals

Explore why the Risk Management Framework exists and how it connects cybersecurity activities to organizational missions.

Module 2: RMF Governance, Risk Levels, and Participant Roles

Examine the three risk tiers and the roles and responsibilities that support the RMF process.

Module 3: Prepare

Review organization- and system-level activities that establish readiness for the RMF process.

Module 4: Categorize

Determine system impact levels using Federal Information Processing Standard 199.

Module 5: Select

Apply control baselines and tailoring guidance using NIST Special Publication 800-53B.

Module 6: Implement

Put selected security controls in place and document how they have been implemented.

Module 7: Assess

Produce and evaluate evidence to determine whether security controls are implemented correctly and operating effectively.

Module 8: Authorize

Evaluate residual risk and support the issuance of an authorization decision.

Module 9: Monitor

Maintain current information about control effectiveness, system changes, and organizational risk.

Module 10: Integrated RMF Capstone and Knowledge Check

Apply the complete RMF process through an integrated capstone exercise and knowledge check.