

Microsoft AI Governance, Risk & Compliance

Duration: 1 day

Course Description:

In this course, you will learn how to Govern and Protect Sensitive Information in the Age of AI Accelerate AI Adoption with Next-Gen Security and Governance

Establishing policies and frameworks to ensure AI systems are used responsibly and align with ethical standards, Identifying, assessing, and mitigating risks associated with AI, such as biases and data privacy concerns and ensuring AI systems adhere to relevant laws and regulations, like GDPR and the EU AI Act."

Course Objectives:

- Understand Microsoft's Responsible AI framework
- Learn how to implement governance using Microsoft tools (Purview, Azure ML, AI Foundry)
- Align AI systems with regulatory standards (EU AI Act, NIST RMF, ISO 42001)
- Apply risk management and oversight through Microsoft services

Module 1: Introduction to AI Governance & Compliance (9:00 AM – 10:00 AM)

- What is AI Governance?
- Microsoft's Responsible AI Principles
- AI-related risks (bias, misuse, transparency, safety)
- Key regulations overview:
 - **EU AI Act**
 - **NIST AI Risk Management Framework**
 - **ISO 42001 / 23894**

Activity: Risk identification scenario (use case walkthrough)

Module 2: Microsoft's Responsible AI Ecosystem

- Microsoft's AI governance structure - Responsible AI Council
- Overview of Responsible AI Standard
- AI Red Teaming examples
- Tooling across Azure and Microsoft 365

Module 3: Microsoft Purview & Compliance Manager

- Data classification, lineage, and lifecycle tracking
- Prebuilt regulatory compliance templates (EU AI Act, ISO, NIST, GDPR)
- Using **Compliance Manager** to evaluate controls

Demo: Create a compliance assessment in Microsoft Purview

Activity: Hands-on compliance checklist for a sample AI use case

Module 4: Azure AI Foundry & Responsible AI Dashboard

- What is **Azure AI Foundry**?
 - Risk assessment
 - Bias & fairness testing
 - Hallucination detection
 - Safety metric rankings
- Integrating governance into the MLOps pipeline

Demo: Responsible AI Dashboard for model explainability, fairness, and error analysis

Module 5: Regulatory Compliance & Use Case Mapping

- EU AI Act: High-risk system categories, required documentation
- Mapping controls to NIST RMF and ISO 42001
- Use case examples:
 - HR automation
 - Customer service bots
 - Computer vision for security

Activity: Map a use case to compliance controls using Microsoft templates

Module 6: Governance Playbook

- Drafting an AI Governance & Risk Playbook using Microsoft tools
- Implementing continuous monitoring
- Vendor and partner compliance using Azure Lighthouse