

Azure DevOps Engineer Expert (AZ-400) Curriculum

DevOpsSchool.com

Course Overview

- DevOps strategy, collaboration, and continuous delivery
- CI/CD pipelines, infrastructure as code, and monitoring

Module 1: DevOps Strategy & Collaboration

- Agile planning, boards, and delivery metrics
- Quality gates and release governance

Module 2: Version Control & Git

- Git workflows, branching strategies, and PR policies
- GitHub integration with Azure DevOps

Module 3: CI/CD with Azure Pipelines

- Build pipelines, artifacts, and release automation
- Blue/green and canary deployment strategies

Module 4: Infrastructure as Code

- ARM, Bicep, and Terraform workflows
- Configuration and drift management

Module 5: Containers & Kubernetes

- Container delivery and AKS pipelines
- Helm and GitOps workflows

Module 6: Monitoring, Security & Compliance

- Application Insights and Log Analytics
- Security scanning, secrets, and compliance