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Develop AI Cloud Solutions on Azure (AI-200) Training

Microsoft Authorized Training · Applied Technology Academy

This course teaches developers how to create, monitor, and troubleshoot AI solutions on Microsoft Azure. Students will learn how to implement Azure compute and containerization patterns to host applications, build serverless APIs with Azure Functions, and integrate services using event-driven and message-based architectures such as Azure Service Bus and Event Grid. The course also covers working with Azure data services that support AI workloads, including designing and querying solutions with Cosmos DB for NoSQL, Azure Database for PostgreSQL with pgvector, and Azure Managed Redis for caching, streaming, and vector search. By the end of the course, developers will be able to connect services, orchestrate AI workflows, and build secure, scalable, and observable AI-driven applications on Azure.

LEVEL	DURATION	DELIVERY	CERTIFICATION
Intermediate	**5 days**	**Instructor-led - Online Live or classroom**	**Microsoft Certified: Azure AI Cloud Developer Associate**

Course Outline

- **Module 1: Implement container app hosting on Azure**
- **Module 2: Deploy and manage apps with Azure Container Apps**
- **Module 3: Deploy and monitor apps with Azure Kubernetes Service**
- **Module 4: Develop AI solutions with Azure Cosmos DB**
- **Module 5: Develop AI solutions with Azure Database for PostgreSQL**
- **Module 6: Enhance AI solutions with Azure Managed Redis**
- **Module 7: Integrate backend services for AI solutions**
- **Module 8: Manage app secrets and configuration**
- **Module 9: Observe and troubleshoot apps**

Intended Audience

This course is designed for developers who build backend and AI-driven applications on Azure and need practical skills in containerized compute, data services for AI, event-driven workflows, and application security and monitoring.

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Ready to enroll? Call 800.674.3550 or email Info@AppliedTechAc.com — private team cohorts, GSA MAS purchasing, military credentialing funding, VA GI Bill and VR&E and student financing available.