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Learning Style: Virtual Classroom

Technology: Microsoft

Difficulty: Intermediate

Course Duration: 4 Days

## Azure Security Engineer Certification: Microsoft Azure Security Technologies (AZ-500)



### About this course:

In this course students will gain the knowledge and skills needed to implement security controls, maintain the security posture, and identify and remediate vulnerabilities by using a variety of security tools. The course covers scripting and automation, virtualization, and cloud N-tier architecture.

The average salary of a Azure Security Engineer is **\$118,862** per year.

## **Course Objective:**

After completing this course, students will be able to:

- Describe specialized data classifications on Azure
- Identify Azure data protection mechanisms
- Implement Azure data encryption methods
- Secure Internet protocols and how to implement them on Azure
- Describe Azure security services and features

## **Audience:**

- Students should have at least one year of hands-on experience securing Azure workloads and experience with security controls for workloads on Azure.

## **Prerequisite:**

Before attending this course, students must have knowledge of:

- Microsoft Azure Administrator Associate

## **Course Outline:**

### **Module 1: Identity and Access**

#### **Lessons**

- Configure Azure Active Directory for Azure workloads and subscriptions
- Configure Azure AD Privileged Identity Management
- Configure security for an Azure subscription

### **Module 2: Platform Protection**

#### **Lessons**

- Understand cloud security
- Build a network
- Secure network
- Implement host security
- Implement platform security
- Implement subscription security

### **Module 3: Security Operations**

#### **Lessons**

- Configure security services
- Configure security policies by using Azure Security Center
- Manage security alerts
- Respond to and remediate security issues
- Create security baselines

## Module 4: Data and applications

### Lessons

- Configure security policies to manage data
- Configure security for data infrastructure
- Configure encryption for data at rest
- Understand application security
- Implement security for application lifecycle
- Secure applications
- Configure and manage Azure Key Vault

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