

Certified DevSecOps Practitioner (CDSOP)

OEM: Global Skill Development Council • Duration: 3 Days (24 hrs) • Code: GSDC-CDSOP

COURSE MODULES & TOPICS

1 Introduction to DevSecOps

- Defining DevSecOps and its key principles, values, and practices
- Understanding the benefits of integrating security into development and operations
- Exploring the DevSecOps lifecycle and how it brings teams together

2 DevOps Pipeline Overview

- Reviewing the major components of a DevOps pipeline
- Integrating security practices and testing into the pipeline

3 Creating a DevSecOps Pipeline

- Implementing security testing like SAST, SCA, DAST into the pipeline
- Leveraging Security as Code practices
- Promoting collaboration between teams on security

4 Secure Software Development

- Utilizing secure coding standards and best practices
- Conducting code reviews and vulnerability testing
- Designing secure software through principles like least privilege

5 CI/CD Pipeline Security

- Building security into CI/CD pipelines via testing and scanning
- Ensuring secure deployment and release processes

6 Security Automation and Orchestration

- Leveraging automation tools to streamline security tasks
- Implementing security orchestration for streamlined workflows

7 Threat Modeling and Risk Management

- Identifying risks through threat modeling exercises
- Implementing mitigation strategies to address risks

8 Cloud and Container Security

- Applying cloud security best practices
- Securing containerized environments

9 Incident Response and Recovery

- Developing an incident response plan
- Implementing security incident management processes

10 Compliance and Governance

- Understanding regulatory and compliance requirements
- Establishing governance models for DevSecOps

11 DevSecOps Tools and Technologies

- Evaluating and selecting appropriate tools for use cases