

Emerging Technologies

CISCO Technologies Program

Curriculum

Program Outline :

Module 1: Fundamentals of CISCO Technologies

1. Introduction to CISCO

- Core principles and tools of CISCO.
- Overview of CISCO products and services.
- Benefits and challenges of using CISCO technologies.

2. CISCO Networking Basics

- Understanding basic networking concepts and architecture.
- Configuring and managing CISCO networking devices.
- Best practices for network design and implementation.

Module 2: Advanced CISCO Solutions

3. CISCO Security Practices

- Implementing security measures with CISCO technologies.
- Best practices for securing CISCO networks and applications.
- Understanding CISCO security products and services.

4. CISCO Cloud Solutions

- Using CISCO technologies for cloud computing.
- Configuring and managing cloud environments with CISCO.

- Best practices for cloud security and governance.

5. CISCO Data Center Management

- Managing data centers with CISCO technologies.
- Understanding data center architecture and infrastructure.
- Implementing best practices for data center security and efficiency.

6. CISCO DevOps Integration

- Integrating CISCO technologies in DevOps practices.
- Automating DevOps tasks with CISCO tools.
- Best practices for CI/CD pipelines with CISCO.

Module 3: Practical Applications

7. Hands-on CISCO Projects

- Real-world projects to apply CISCO skills.
- Designing and implementing CISCO solutions for various scenarios.
- Collaborating with peers and mentors to solve complex challenges.

8. CISCO Network Automation

- Automating network tasks with CISCO tools.
- Understanding network automation frameworks and best practices.
- Implementing automation solutions for network management.

Module 4: Certification Preparation

9. CISCO Certification Exam Preparation

- Comprehensive preparation for CISCO certification exams.
- Practice exams and review sessions.
- Exam tips and strategies for success.

10. Advanced CISCO Techniques

- Deepening knowledge and exploring advanced CISCO capabilities.
- Implementing advanced networking, security, and cloud solutions with CISCO.

Elective Modules

11. Data Ethics and Privacy

- Ethical considerations, privacy laws, and compliance strategies.

12. AI for CISCO Solutions

- Implementing AI solutions in CISCO environments.

13. Big Data Solutions with CISCO

- Managing big data applications with CISCO technologies.

14. CISCO DevOps Practices

- CI/CD pipelines, automation, and containerization with CISCO.

15. CISCO Project Management

- Leading CISCO projects and ensuring successful delivery.

16. IoT Integration with CISCO

- Integrating CISCO solutions with IoT devices.

Websites:

- <https://chools.in/>
- <https://ramaqchools.com/>
- <https://www.choolsgroup.com/>