CCIE ENTERPRISE INFRASTRUCTURE CERTIFICATION PROGRAM

Simple | Smart | Speed

CHOOLS

Email: info@choolsgroup.com **Phone:** +91 74067 33363 **Website:** chools.in

CONTENTS

INTRODUCTION TO CCIE ENTERPRISE INFRASTRUCTURE

Welcome, future network expert! 🌟 The CCIE Enterprise Infrastructure course prepares you for the Cisco Certified Inter network Expert (CCIE) certification in the Enterprise Infrastructure track. It is one of the most prestigious and challenging certifications in the IT industry, requiring both a written and a lab exam to demonstrate your expert-level knowledge and skills in designing, implementing, and troubleshooting complex enterprise network scenarios. The course covers topics such as layer 2 and layer 3 technologies, network services, security, quality of service, multicast, IPv6, and MPLS. This course is suitable for network engineers, architects, and consultants who want to achieve the highest level of proficiency and recognition in the field of routing and switching

Why Choose Chools?

Numbers That Speak for Themselves:

- 10,000+ Successful Alumni: Join a network of impactful professionals.
- 95% Job Placement Rate: Secure your future with Chools' proven track record.
- 20+ Years of Excellence: Trust in a legacy of education and industry expertise.
- 200+ Industry Partnerships: Leverage our connections for real-world insights and opportunities.

What Sets Us Apart?

- **Expert Instructors:** Learn from industry veterans with hands-on experience.
- **Hybrid Learning Model:** Balance online flexibility with in-person engagement.
- **Comprehensive Curriculum:** Stay ahead with courses designed meet market demands.
- **Community and Networking:** Be part of an active community of learners and professionals.

WhCan Apply?

Eligibility Criteria:

- No formal prerequisites for the CCIE Enterprise Infrastructure Certification and Training course.
- Cisco recommends having a thorough understanding of the exam topics before taking the exam.

- CCIE candidates are expected to have five to seven years of experience with designing, deploying, operating, and optimizing enterprise networking technologies and solutions.

Eligibility Criteria:

- Network engineers, architects, and consultants aiming to achieve the highest level of proficiency and recognition in routing and switching.

Program Overview

The CCIE Enterprise Infrastructure Certification Program provides extensive education in enterprise networking. Our curriculum ensures a comprehensive understanding through four progressive stages, combining theoretical knowledge with practical, hands-on experience.

Learning Mode:

- **Hybrid Learning Model:** Combines online learning with in-person sessions for flexibility and interactive engagement.
- **Interactive Sessions:** Includes live webinars, workshops, and Q&A forums with expert instructors and peers.
- **Self-paced Learning:** Access course materials anytime, allowing you to learn at your own pace.

Skills Learned

- **Layer 2 and Layer 3 Technologies:** Understanding and managing these critical network layers.
- **Network Services:** Configuring and managing network services.
- **Security:** Implementing and managing network security measures.
- **Quality of Service (QoS):** Ensuring high-quality network performance.
- **Multicast:** Managing multicast networking.
- **IPv6:** Implementing and managing IPv6 networks.
- **MPLS:** Configuring and managing MPLS networks.
- **Network Troubleshooting:** Identifying and resolving network issues.

Job Positions and Opportunities

- **Career Paths:** Network Engineer, Network Architect, Network Consultant, Systems Engineer, IT Manager, Security Specialist.
- **Industry Demand:** High demand across various sectors, competitive salaries, and strong growth potential.

Key Industry Verticals

- **Skill Application Areas:** Finance, Healthcare, Technology, Government, Retail, Energy, Telecommunications, Manufacturing.

Curriculum Highlights:

- **Fundamental Knowledge:** Core principles of enterprise networking.
- **Advanced Techniques:** In-depth understanding of advanced networking tools and strategies.
- **Real-World Applications:** Practical projects and case studies tapply your learning.
- **Capstone Project:** A final project that integrates all your skills and knowledge, showcasing your proficiency in enterprise networking.

Professional Development:

- **Continuous Learning:** Stay updated with the latest trends and advancements in enterprise networking.
- **Networking Opportunities:** Connect with industry experts, peers, and alumni to advance your career.
- **Ethical Considerations:** Learn about data ethics, privacy, and compliance to maintain the integrity of your practices.

Program Objectives

- Master technical skills in enterprise networking.
- Implement advanced networking techniques and tools.
- Explore networking frameworks and best practices.
- Address real-world challenges in enterprise networking.
- Understand ethical considerations in data governance.
- Foster continuous learning.
- Encourage teamwork and collaboration.
- Prepare for advanced roles in enterprise networking.

Expected Outcomes

- Proficiency in enterprise networking tools and techniques.
- Practical experience through hands-on projects.
- Strong analytical and problem-solving skills.
- Application of ethical practices.
- Innovation in enterprise networking solutions.

PROGRAM OUTLINE

Stage 1: Fundamentals of Networking

1. Introduction to Networking
- Core principles, tools, and industry applications.

2. Network Protocols and Standards
- Understanding common network protocols and standards.

3. IP Addressing and Subnetting
- Configuring and managing IP addresses and subnets.

4. Basic Network Configuration
- Setting up basic network environments.

Stage 2: Advanced Networking Techniques

5. Advanced IP Services
- Configuring and managing advanced IP services.

6. Network Security Fundamentals
- Implementing basic network security measures.

7. Automation and Programmability
- Using automation tools and programmable networks.

8. Wireless Networking
- Understanding and managing wireless network environments.

Stage 3: Practical Applications

9. Practical Networking Projects
- Developing and implementing networking projects.

10. Network Troubleshooting
- Identifying and resolving network issues.

11. Data Analysis and Visualization
- Analyzing network data and visualizing results.

12. Business Intelligence Applications
- Using data for networking decision making.

Stage 4: Capstone Project

13. Integration of Learned Skills
- Apply tools and techniques to real-world networking problems.

14. Advanced Networking Systems
- Developing complex networking systems.

15. Cloud Networking Management
- Securing and managing cloud-based networks.

16. AI for Networking
- Implementing AI solutions in networking.

PROGRAM OUTLINE

Elective Modules

17. Data Ethics and Privacy
- Ethical considerations, privacy laws, compliance strategies.

18. Predictive Analytics with Networking Management
- Building and validating predictive models.

19. AI for Networking Management
- Implementing AI solutions in networking.

20. Advanced Data Warehousing Techniques
- Optimizing data warehousing solutions.

21. Data-Driven Networking Decision Making
- Using data to inform and drive networking strategies.

22. Cloud Networking Solutions
- Deploying networking management systems on cloud platforms.

23. Networking Project Management
- Leading networking projects, ensuring successful delivery.

24. Big Data Security
- Securing data in big data environments.

25. IoT Networking
- Securing and managing IoT devices and networks.

Enrollment Now Open!

Take the first step towards becoming a certified Network Associate. Enroll in our program and enhance your career.

Email: info@choolsgroup.com **Phone:** +91 74067 33363 **Website:** chools.in