

Emerging Technologies

Certified Network Security Professional (CNSP) Program

Curriculum

Program Outline :

Module 1:Core Security Technologies

1. **Introduction to Network Security**
 - o Core principles, tools, and industry applications.
2. **Firewall Management**
 - o Configuring and managing firewalls.
3. **Email and Web Security**
 - o Securing email and web applications.
4. **VPN Management**
 - o Setting up and managing VPNs.

Module 2: Advanced Security Tools

5. **Advanced Network Monitoring**
 - o Monitoring and analyzing network traffic.
6. **Incident Response**
 - o Responding to security incidents.
7. **Security Assessment and Testing**
 - o Evaluating security measures.
8. **Security Policies and Governance**

- Developing and implementing security policies.

Module 3: Practical Applications

9. Practical Security Projects

- Developing and implementing security projects.

10. Security Operations Management

- Managing security operations.

11. Data Analysis and Visualization

- Analyzing security data and visualizing results.

12. Business Intelligence Applications

- Using data for security decision making.

Module 4: Capstone Project

13. Integration of Learned Skills

- Apply tools and techniques to real-world security problems.

14. Advanced Security Systems

- Developing complex security systems.

15. Cloud Security Management

- Securing cloud-based platforms.

16. AI for Security

- Implementing AI solutions in security.

Elective Modules

17. Data Ethics and Privacy

- Ethical considerations, privacy laws, compliance strategies.

18. Predictive Analytics with Security Management

- Building and validating predictive models.

19. AI for Security Management

- Implementing AI solutions in security.

20. Advanced Data Warehousing Techniques

- Optimizing data warehousing solutions.

21. Data-Driven Security Decision Making

- Using data to inform and drive security strategies.

22. Cloud Security Solutions

- Deploying security management systems on cloud platforms.

23. Security Project Management

- Leading security projects, ensuring successful delivery.

24. Big Data Security

- Securing data in big data environments.

25. IoT Security

- Securing IoT devices and systems.

Websites:

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