

# **Emerging Technologies**

## **Certified Information Systems Security Professional (CISSP) Program**

### **Curriculum**

#### **Program Outline :**

##### **Module 1:Core Domains of Information Security**

- 1. Introduction to Information Security**
  - Core principles, tools, and industry applications.
- 2. Security and Risk Management**
  - Identifying and managing risks.
- 3. Asset Security**
  - Protecting organizational assets.
- 4. Security Architecture and Engineering**
  - Designing secure systems.

##### **Modul 2: Advanced Security Techniques**

- 5. Advanced Network Security**
  - Securing network communications.
- 6. Identity and Access Management**
  - Controlling access to information.
- 7. Security Assessment and Testing**
  - Evaluating security measures.

## **8. Security Operations**

- Managing security operations.

## **Modul 3: Practical Applications**

### **9. Practical Security Projects**

- Developing and implementing security projects.

### **10. Software Development Security**

- Ensuring secure software development practices.

### **11. Data Analysis and Visualization**

- Analyzing security data and visualizing results.

### **12. Business Intelligence Applications**

- Using data for security decision making.

## **Modul 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://ramaqchools.com/>
- <https://www.choolsgroup.com/>