

## OVERVIEW

This training course is a comprehensive and in-depth review of information system security engineering concepts and industry best practices in the secure design, deployment and maintenance of an information system. This course covers the five domains of the CISSP-ISSEP CBK (Common Body of Knowledge). Students will gain a greater depth of knowledge in information security in the areas of the ISSEP than was addressed through the CISSP. This will increase their ability to successfully leverage and deploy system security engineering principals and process in the development and operation of secure systems that meet current and future business needs. The goal of this content is to provide students with the advanced knowledge necessary to be a successful system security engineering professional in today's challenging environment. This training course will help candidates review and refresh their information security knowledge in pursuit of the CISSP-ISSEP exam.



# CISSP - INFORMATION SYSTEMS SECURITY ENGINEERING PROFESSIONAL (CISSP - ISSEP)

## COURSE OBJECTIVES

After completing this course, the student will be able to:

- Use System Security Engineering processes in the development of systems.
- Evaluate the security design of systems using security engineering processes and principles.
- Develop system designs that employ security functions and provide adequate protection to system functions.
- Choose the most effective security configurations and designs to ensure system security during operations.
- Analyze system security risk within the context of system operations and organizational risk tolerance.

## TARGET STUDENT

This course is intended for CISSPs who have at least 2 years of recent full-time professional work experience in engineering and are pursuing ISSEP training and certification to demonstrate mastery in security engineering to advance within their current information security careers. The training seminar is ideal for those working in positions such as, but not limited to:

- Senior systems engineer
- Information assurance systems engineer
- Information assurance officer
- Information assurance analyst
- Senior security analyst.

## COURSE CONTENT

**Lesson 1: Security Engineering Principles**

**Lesson 2: Risk Management**

**Lesson 3: Security Planning, Design, and Implementation**

**Lesson 4: Secure Operations, Maintenance, and Disposal**

**Lesson 5: Systems Engineering Technical Management**