

# Introduction to Common Criteria for Developers

**Duration:**

2 days

**Audience:**

This course is aimed at software development team members who will be involved in a Common Criteria evaluation.

**Prerequisites:**

Basic knowledge of software development life cycle

**Course Goals:**

After completing this course, the trainee will have the knowledge and skills to:

- Understand and use the CC Parts 1, 2, 3, the CEM, and additional CCEVS guidance
- Understand his or her responsibilities in an evaluation process
- Contribute to evaluation projects as a member of the evidence development team
- Contribute to authoring a Security Target and provide other evaluation evidence

**Course Outline:**

- Knowledge of CC history
  - Knowledge of international CC organizations
- General knowledge of the overall CC standard structure
  - Knowledge of the functional assurance paradigm
  - Knowledge of how functional components cover functional requirements
  - Knowledge of Evaluation Assurance Levels
- Ability to understand security functional components as described in CC Part 2
  - Knowledge of the functional requirements paradigm
  - Knowledge of SFR class structure
    - Ability to describe the purpose of each SFR class
  - Knowledge of SFR family structure
    - Ability to describe the purpose of each SFR family
    - Ability to navigate component hierarchy

- Ability to trace Management requirements
- Ability to trace Audit requirements
- Knowledge of SFR component structure
  - Ability to describe purpose of each SFR component
  - Ability to describe purpose of each SFR element
  - Ability to trace Dependencies
- Knowledge of component operations
- Knowledge of CC evaluation process
  - Understand the assurance concept
  - Understand the information flow
  - Understand the general certification process
- Ability to apply security assurance components as described in CC Part 3
  - Knowledge of the functional assurance paradigm
  - Knowledge of SAR class structure
    - Ability to describe the purpose and application of each SAR class
  - Knowledge of SAR family structure
    - Ability to describe the purpose of each SAR family
    - Ability to navigate component hierarchy
  - Knowledge of SAR component structure
    - Ability to describe purpose & application of each SAR component
    - Ability to trace Dependencies
    - Ability to identify and describe application of assurance elements
  - Knowledge of Evaluation Assurance Levels
    - Ability to describe the application of an EAL
    - Ability to differentiate the EALs