



# Configuration Management Principles and Implementation Certification

## Overview

The four courses that make up the CMPIC certification program have been developed to provide a solid foundation in Configuration Management (CM) to all those who need a thorough understanding of configuration management principles, processes, tools, and workflows. These courses demonstrate how to achieve integration to provide an effective and efficient enterprise solution.

Courses are sponsored by the University of Houston and are taught in locations throughout the US and Canada.

Course examples have been collected from various environments. Students from IT, software, hardware, manufacturing and facility environments will feel equally comfortable in relating the lecture, discussions, workshops and materials to their own environments and situations.

## Certification Requirements and CEUs

Upon successful completion of all four certification courses, and passing of the two certification exams, students are awarded the Configuration Management Principles and Implementation Certification.

Six Continuing Education Units (CEUs) will be awarded upon successful completion of this four course program. CEUs are approved through the University of Houston's Division of Continuing Education. They are valid for any profession that recognizes the University's CEUs.



# About the CMPIC CM Certification Series

## Course 1 *CM Foundations*

### Description

This Course provides a detailed overview of CM Planning, Identification, Audit, Change Control, and Status Accounting and the role of configuration management in the organization.

### Objectives

To learn the basic tenants of, and latest approaches to configuration management... including who is involved with and responsible for CM, how CM has evolved to its current state and how CM can reduce corrective action and assure consistent conformance.

### Outline Course 1

- 1 CM Overview
- 2 Who Needs CM?
- 3 CM History
- 4 CM and Quality
- 5 Elements of CM
- 6 Terminology
- 7 Life Cycle Concepts
- 8 Documentation Types
- 9 Information Quality
- 10 Where Requirements Come From
- 11 What Does CM Cost?
- 12 CM Misunderstandings

## Course 2 *CM Structures*

### Description

This Course provides details and “how-to” approaches in regards to baselining, structure, naming, numbering and other.

### Objectives

To understand techniques for preparing and maintaining properly structured information and baselines. This will assure we know what we build, operate or maintain throughout all phases of the life cycle.

### Outline Course 2

- 1 Identification Overview
- 2 Structuring Part 1
- 3 Structuring Part 2
- 4 Baselines
- 5 Baselines and Automation
- 6 Numbering
- 7 Naming
- 8 Re-identification
- 9 Configuration Audits
- 10 Status Accounting
- 11 Baselines and Change
- 12 Traceability



# About the CMPIC CM Certification Series

## Course 3 *CM Dynamics*

### **Description**

This Course is based on best industry practice and provides an in depth look into full life cycle change management principles coupled with successful implementation approaches.

### **Objectives**

To understand change management logic, workflows, responsibilities, boards, forms, metrics, effectiveness and best practices in order to implement an effective and efficient change process from change initiation to successful implementation. Understand how to handle non conformances and how to eliminate common bottlenecks in the change process.

### **Outline Course 3**

- 1 Change Management
- 2 Change Analysis
- 3 Change Disposition Part 1
- 4 Change Disposition Part 2
- 5 Change Implementation
- 6 Change and Effectivity
- 7 Change Tracking
- 8 Priority & Justification
- 9 Change Management Issues
- 10 Eliminating Bottlenecks
- 11 Deviations & Waivers
- 12 CM Process Metrics

## Course 4 *CM Implementation*

### **Description**

This Course teaches the student how to implement the previously learned CM processes and methodologies into their organization.

### **Objectives**

To understand the various methods associated with successful implementation of configuration management process improvements. Understand CM Plans and CM Planning and learn how to do a CM assessment. Learn how to apply CM in unique environments and life cycle phases. Attendees will also understand how to choose and implement CM related automated tools.

### **Outline Course 4**

- 1 CM Plans and Planning
- 2 CM Professionals and Departments
- 3 Customers & Suppliers
- 4 CM and Development
- 5 CM and COTS
- 6 CM and Lean
- 7 Assessing CM Processes
- 8 Automated Tools
- 9 Tool Implementations
- 10 People and Culture
- 11 Getting Buy-In
- 12 Review and Close



# Pricing Structure

## Public Course Fees Per Attendee

Commercial  
\*Gov't

Course 1 <i>CM Foundations</i>	CMPIC Certification Course 1 of 4	\$935.00	\$835.00
Course 2 <i>CM Structures</i>	CMPIC Certification Course 2 of 4	\$935.00	\$835.00
Course 3 <i>CM Dynamics</i>	CMPIC Certification Course 3 of 4	\$935.00	\$835.00
Course 4 <i>CM Implementation</i>	CMPIC Certification Course 4 of 4	\$935.00	\$835.00
Course 5 <i>CM for IT and Software Development</i>	CM for IT and Software Development Certification	\$1495.00	\$1395.00
Course 6 <i>ANSI/EIA-649A Principles and Applications</i>	ANSI/EIA-649A Course	\$1195.00	\$1095.00

### \*Government Discounts - Public Classes:

- Government employees and Gov't ID support contractors are eligible for discount shown.

## On-Site Course Fees Per Attendee

Min. 5 - 10  
11+ students

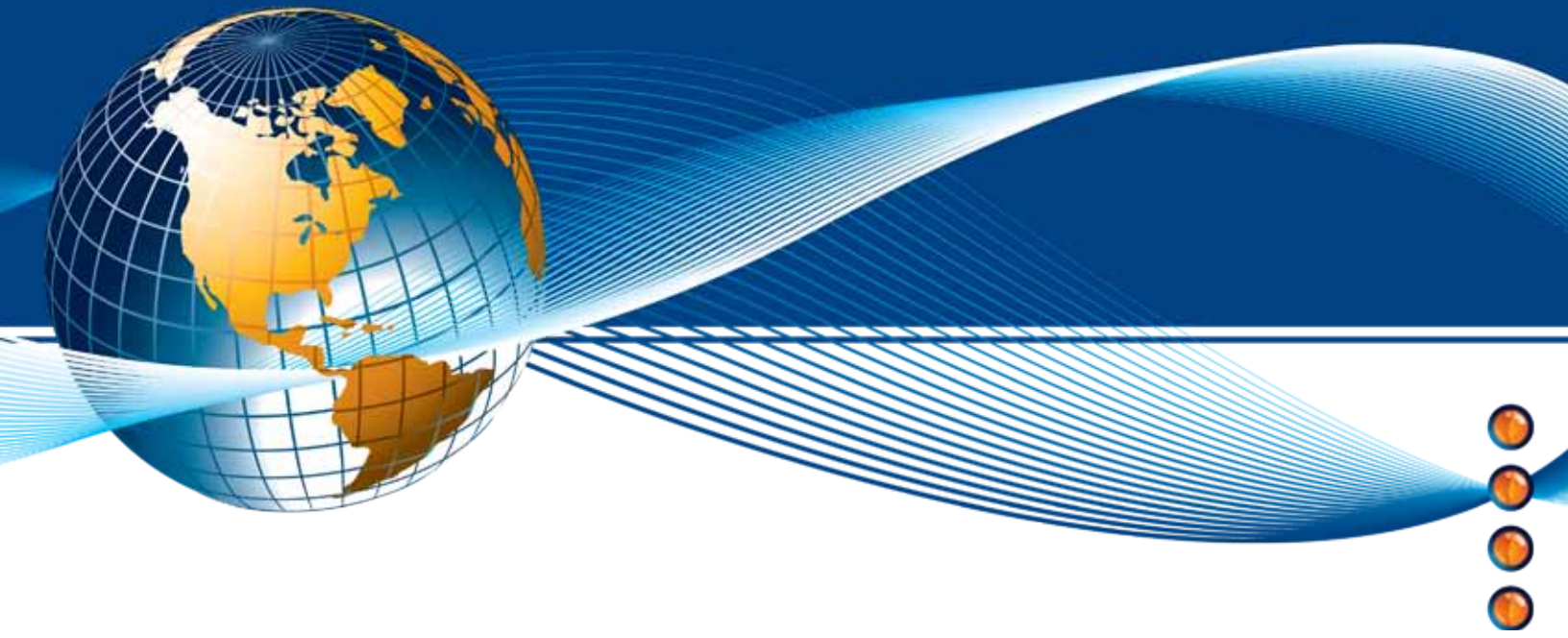
Course 1 <i>CM Foundations</i>	CMPIC Certification Course 1 of 4	\$750.00	\$700.00
Course 2 <i>CM Structures</i>	CMPIC Certification Course 2 of 4	\$750.00	\$700.00
Course 3 <i>CM Dynamics</i>	CMPIC Certification Course 3 of 4	\$750.00	\$700.00
Course 4 <i>CM Implementation</i>	CMPIC Certification Course 4 of 4	\$750.00	\$700.00
Course 5 <i>CM for IT and Software Development</i>	CM for IT and Software Development Certification	\$1150.00	\$1100.00
Course 6 <i>ANSI/EIA-649A Principles and Applications</i>	ANSI/EIA-649A Course	\$900.00	\$850.00

### \*Government Discounts - On-Site Classes:

- Government employees and Gov't ID support contractors are eligible for a \$25.00 per person/per course discount from rates shown above.

### On-Site Requirements:

- Minimum 5 attendees.
- Host provides conference room and AV, plus instructor travel expenses.
- CMPIC provides instructor and training materials.



# Contact Us

For more information about CMPIC, our courses, schedules or locations, please call us or visit our website.

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