

## CERTIFIED COST PROFESSIONAL (CCP)

*"Mastering Cost Engineering, Estimation, and Control for Project Excellence"*

### Schedule

Date	Venue	Fees (Face-to-Face)
22 - 26 Nov 2026	Manama, Bahrain	USD 3495 per delegate

► **Available delivery methods:** Face-to-Face & Online Training

### Introduction

The Certified Cost Professional (CCP) credential, recognized globally by AACE International, certifies individuals who demonstrate advanced knowledge and expertise in cost engineering and project control. As industries face increasing pressure to deliver projects on time and within budget, skilled cost professionals are in high demand.

This intensive training program is designed to prepare participants for the CCP exam and equip them with practical, hands-on knowledge in cost estimation, planning, scheduling, cost control, and risk management. It aligns with AACE's Total Cost Management (TCM) Framework and provides the analytical and managerial tools needed to lead complex projects effectively.

### Objectives

By the end of this course, participants will be able to:

- Understand and apply AACE's Total Cost Management (TCM) framework
- Develop and manage cost estimates, budgets, and control systems
- Analyze scheduling techniques and project performance metrics
- Perform cost risk and uncertainty analysis using quantitative methods
- Prepare confidently for the AACE CCP certification examination

## Why Attend

- Gain in-depth understanding of cost engineering principles and practices
- Boost your career with a globally recognized professional certification
- Learn how to improve project forecasting, budgeting, and earned value analysis
- Acquire the tools to manage project cost risk, change, and performance
- Prepare effectively for the rigorous CCP exam with expert-led instruction

## Target Audience

This program is designed for:

- Cost engineers and cost estimators
- Project control managers and planners
- Quantity surveyors and schedulers
- Construction and project managers
- Professionals pursuing AACE CCP certification

## Individual Benefits

Key competencies that will be developed include:

- Cost estimation methodologies across project phases
- Project control planning and performance measurement techniques
- Cash flow forecasting and earned value management
- Decision-making using cost, schedule, and risk data
- Exam readiness for AACE's CCP certification

## Organizational Benefits

Upon completing the training course, participants will demonstrate:

- Improved cost control, forecasting, and financial accuracy in projects
- Stronger project planning and risk-informed decision-making
- Reduced cost overruns and enhanced budgeting discipline
- Capability to support capital project governance and reporting standards
- Development of certified professionals aligned with international best practices

## Instructional Methodology

The course follows a blended learning approach combining theory with practice:

- Strategy Briefings - AACE TCM Framework, estimating standards, and performance metrics
- Case Studies - Real-world project control scenarios and analysis
- Workshops - Practice problems, earned value exercises, and risk modeling
- Peer Exchange - Experience sharing on tools, challenges, and exam strategies
- Tools - CCP exam study materials, checklists, templates, and formulas

## Course Outline

Detailed 5-Day Course Outline

**Training Hours:** 7:30 AM – 3:30 PM **Daily Format:** 3–4 Learning Modules | Coffee breaks: 09:30 & 11:15 | Lunch Buffet: 01:00 – 02:00

### Day 1: Foundations of Cost Engineering and TCM

- Module 1: Introduction to Total Cost Management (07:30 – 09:30) • AACE's TCM framework overview • Cost engineering principles and competencies
- Module 2: Project Lifecycle and Cost Control Process (09:45 – 11:15) • Phases of project cost management • Control structures and WBS development
- Module 3: Workshop – WBS and Control Account Structuring (11:30 – 01:00) • Hands-on development of a project cost structure
- Module 4: Peer Exchange – Cost Challenges in Projects (02:00 – 03:30) • Discussion of industry-specific cost control issues

### Day 2: Cost Estimating and Budgeting

- Module 5: Estimating Techniques and Accuracy (07:30 – 09:30) • Order of magnitude to definitive estimating • Class 5 to Class 1 estimates
- Module 6: Parametric and Bottom-Up Estimating (09:45 – 11:15) • Quantities, productivity, unit costs, and factoring
- Module 7: Workshop – Estimate Development Exercise (11:30 – 01:00) • Build a conceptual or semi-detailed estimate
- Module 8: Case Study – Estimate Validation (02:00 – 03:30) • Review and risk-assess an existing project estimate

### Day 3: Project Scheduling and Performance Analysis

- Module 9: Scheduling Concepts and Tools (07:30 – 09:30) • Critical path method, float, and schedule optimization
- Module 10: Earned Value Management (EVM) (09:45 – 11:15) • EVM metrics: SPI, CPI, CV, SV, and forecasting
- Module 11: Workshop – EVM Application (11:30 – 01:00) • Calculate and interpret EVM data
- Module 12: Peer Discussion – Managing Delays and Cost Impact (02:00 – 03:30) • Integrating schedule and cost control

### Day 4: Cost Control, Change Management, and Risk Analysis

- Module 13: Cost Control Systems and Reporting (07:30 – 09:30) • Baseline management and variance analysis • Progress measurement techniques
- Module 14: Change Control and Escalation Management (09:45 – 11:15) • Managing scope, budget changes, and escalation clauses
- Module 15: Cost Risk and Uncertainty Analysis (11:30 – 01:00) • Monte Carlo simulation, probabilistic estimating
- Module 16: Workshop – Risk Modeling Exercise (02:00 – 03:30) • Quantitative risk assessment using scenarios

### Day 5: Exam Preparation and Final Review

- Module 17: CCP Exam Overview and Preparation Strategy (07:30 – 09:30) • Exam format, domains, and study techniques
- Module 18: CCP Sample Questions and Mock Test (09:45 – 11:15) • Practice quiz with answer walkthroughs
- Module 19: Final Q&A and Knowledge Consolidation (11:30 – 01:00) • Review core concepts and exam tips
- Module 20: Wrap-Up, Feedback, and Certification (02:00 – 03:30) • Course conclusion and certificate distribution

## Certification

Participants will receive a Certificate of Completion in Certified Cost Professional (CCP) Training, validating their advanced knowledge in cost engineering and preparation for the CCP certification exam by AACE International.

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