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بروجاكس للتدريب والتطوير  
Projacs Training and Development

# Certified Cost Professional (CCP) Exam Preparation Certified Program

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ProjacsAcademy.com



## Introduction

Since 1956, AACE International (the Association for the Advancement of Cost Engineering) has provided its members with the resources they need to enhance their performance and ensure continued growth and success.

The CCP certification recognizes specialists who meet a demanding set of criteria by a rigorous examination, experience, education and ethical qualifications. The CCP requirements reflect the sophistication of individuals in today's earned value industry and it fairly measures their knowledge, experience and adherence to best management practices.

CCP certification distinguishes cost and management professionals who have the knowledge and skills that impact the bottom line. AACE® certification ensures a high quality standard.

## Objectives

Today's ever-changing business environment requires new approaches to cost engineering management, which has become an important tool for dealing with time-to-market, resources limitations, downsizing and global competition.

This training course will provide participants with a thorough background in the concepts of total cost management and cost engineering. The course addresses area of Total Cost Management through planning and controlling resources, costs, profitability and risk. i.e managing cost throughout the life cycle of any enterprise, program, facility, project, product or service.

The course covers the application of cost engineering and cost management principles, proven methodologies and the latest technology in support of the management process. Practical sessions will provide hands-on experience.

## Who Should Attend?

This course is targeted for all business enterprises, construction, factories and all levels from chief executive officers, finance managers, human resources managers, project managers, site engineers, planners and cost control engineers.

## Course Outline

### Day One

- Course Introduction
- Nature of the CCP Exam
- The Nature and Type of Questions
- Cost Elements
- Pricing
- Materials
- Labor
- Engineering
- Equipment, Parts, and Tools
- Economic Costs
- Activity-Based Cost Management
- **Workshop # 1**

### Day Two

- Cost Estimating
  - Conceptual Estimating Methodologies
  - Deterministic Estimating Methodologies
- Process Product Manufacturing
- Discrete Product Manufacturing
- **Workshop # 2**
- Project planning
- Understanding Time Management Environment
- Critical path method (CPM)

### Day Three

- Schedule development
- Schedule Compression
- **Workshop # 3**
- Progress Measurement and Earned Value
- Earned Value for Variable Budgets
- Tracking Cost and Schedule Performance
- Performance and Productivity Management
- **Workshop # 4**

#### Day Four

- Project Management Fundamentals
- Project Organization Structure
- Project Labor Cost Control
- Project Planning
- Leadership and Management of Project People
- Quality Management
- Value Analysis
- Contracting for Capital Projects
- Strategic Asset Management
- **Workshop # 5**
- Basic Engineering Economics
  - Interest & Discount factors
  - Measures of equivalent worth

#### Day Five

- Applied Engineering Economics
  - Cash Flow Analysis
  - Incremental Analysis
- **Workshop # 6**
- Statistics & Probability
- Basic Concepts in Descriptive Statistics
- **Workshop # 7**
- Risk Management
- Communication
- The International System of Units (SI)

#### Workshops

- Workshop # 1 - Section 1—Cost
- Workshop # 2 - Section 2— Cost Estimating
- Workshop # 3 - Section 3— Planning & Scheduling
- Workshop # 4 - Section 4— Progress & Cost Control
- Workshop # 5 - Section 5— Project Management
- Workshop # 6 - Section 6—Economic Analysis
- Workshop # 7 - Section 7— Statistics, Probability

## Training Method

- Pre-assessment
- Live group instruction
- Use of real-world examples, case studies and exercises
- Interactive participation and discussion
- Power point presentation, LCD and flip chart
- Group activities and tests
- Each participant receives a binder containing a copy of the presentation slides and handouts
- Post-assessment

## Program Support

This program is supported by interactive discussions, role-play, case studies and highlight the techniques available to the participants.

## Schedule

**The course agenda will be as follows:**

- |                     |                  |
|---------------------|------------------|
| • Technical Session | 08.30-10.00 am   |
| • Coffee Break      | 10.00-10.15 am   |
| • Technical Session | 10.15-12.15 noon |
| • Coffee Break      | 12.15-12.45 pm   |
| • Technical Session | 12.45-02.30 pm   |
| • Course Ends       | 02.30 pm         |

## Course Fees\*

- **2,950USD**  
*\*VAT is Excluded If Applicable*

## مقدمة

في ظل المتغيرات الحديثة للاعمال بمختلف انواعها واتجاهتها وظهور الاتجاهات الحديثة في علم التكاليف الهندسية على مستوى العالم والاهتمام الكامل بهذا المفهوم والذي أصبح معنيا بتحقيق أهداف المنظمات في الرخ وتحقيق الاهداف في ظل مفهوم السوق التنافسى.

ومع العلوم الحديثة للوصول بالمنظمات المختلفة لأعلى درجات المرونة والكفاءة في الاداء في ظل تعقيد بنية الاعمال ظهرت الرغبة الملحة لهندسة التكاليف وظهورها في اكبر المعاهد العلمية كشهادة معترف بها عالميا من المنظمة الدولية المتقدمة لهندسة التكاليف بالولايات المتحدة الامريكية.

## الاهداف

في نهاية البرنامج سوف يتمكن المشاركون من:

الفهم الكامل للتطبيق العملي لهندسة التكاليف في المشروعات والمصانع والأعمال.

فرق العمل ستتعرف على المفهوم التطبيقي الكامل لهندسة التكاليف وكيفية تحقيقي أهداف المنظمة في تحقيق الارباح وأحجام العمل والايرادات المخططة.

## الحضور

مؤسسات الأعمال، المصانع، مدراء المشاريع، ومن مدراء الخطوط الأمامية إلى مهندسي المواقع ومراقبة تكاليف المصانع.