

Journeyman Project/Program Management - 4 Days

Course U160 Overview

- You Will Learn How To**
- Plan for the successful delivery of a complex government project
 - Create a work breakdown structure and a plan for total life cycle system management—an Integrated Master Plan (IMP)
 - Develop a total cost of ownership (TCO) estimate
 - Manage the development of a complex IT/software system
 - Define the requirements to meet stakeholder needs and manage them through the product life cycle
 - Apply a process to identify, analyze and manage project/program risks, threats and opportunities
- Course Benefits** Successful government program managers are adept at developing a plan for total project life cycle system management—an Integrated Master Plan. Throughout this course, you gain knowledge in managing complex programs, software engineering principles, requirements development, management and traceability methods, testing and system validation processes. You learn techniques for developing a total cost of ownership estimate, quality control standards, and life cycle cost analysis.
- Who Should Attend** Project/Program managers and functional managers accountable for moderate to complex government projects. Imperative for any acquisition professional seeking a Level II FAC-P/PM certification.
- Workshop Course** Through an immersive, simulated case study, you gain practical experience in developing and implementing a mid-scale project management plan. Activities include:
- Creating and analyzing a program/project goal statement
 - Developing a product-oriented work breakdown structure
 - Building an Integrated Master Plan
 - Determining contract-aware fees
 - Deciding on a software engineering life cycle model
 - Building a use case
 - Assessing the total cost of ownership
 - Determining a test and evaluation strategy
 - Assessing a risk management plan including threats and opportunities

Journeyman Project/Program Management - 4 Days

Course U160 Outline

Introducing the FAC-P/PM Program

- Clarifying the FAC-P/PM initiative
- Describing acquisition reforms
- Establishing a culture of accountability
- Identifying government and contractor equities

Project Management Fundamentals

Managing projects

- Defining project and program management
- Outlining the project management process

Evaluating project objectives and planning

- Defining the project goals
- Planning the work that needs to be completed

Project scope and schedule

- Determining the project scope
- Applying estimating techniques
- Assessing scheduling tools and methods

Building an Integrated Master Plan (IMP)

Building a product-oriented work breakdown structure (WBS)

- Commonly found products
- Decomposing the WBS
- Best practices checklist
- Standardizing the WBS within your agency

Developing an Integrated Master Schedule (IMS)

- Benefiting from an Integrated Master Schedule
- The relationship between the IMP and IMS

Managing the Contractor

Defining the procurement process

- Comparing the make-or-buy analysis
- Source selection
- Evaluating the proposals
- Administering and closing the procurement process

Evaluating contract types

- Calculating a fixed-price contract
- Analyzing different types of contracts and their associated risks
- Navigating through the cost-reimbursable contracts
- Examining the time and material contracts
- Determining the aware fee

Applying Software Engineering to the Software Development Process

Developing and managing a process

- Enterprise analysis
- Appraising decision analysis methods for software architecture
- Evaluating Agile development methodologies

Developing and managing requirements

- Developing a requirements model
- Writing a use case
- Managing changes to requirements

Designing and implementing

- Identifying multitier architecture
- Incorporating the implementing phase into the project

Implementing a Program/Project Quality System

Ensuring project quality

- Charting the quality and grade of the software product
- Differentiating project quality theories

Planning and controlling quality

- Describing the quality plan
- Recognizing the seven quality planning tools
- Improving the process
- Evaluating performance quality data to execute quality assurance
- Analyzing the tools and techniques used to control quality

Managing Risks and Opportunities

Identifying and analyzing risks

- Drafting a program/project risk management plan
- Identifying program/project risks and opportunities
- Assessing impacts and probabilities
- Evaluating risk response strategies

Monitoring and controlling risks

- Implementing a risks/opportunities management plan
- Evaluating strategies

Estimating total cost of ownership (TCO)

- Factors impacting the total cost of ownership

- Applying estimation techniques
- Performing cost-benefit trade-offs