

Course Description: This course covers key intermediate project management skills needed to progress beyond a basic level: developing master schedules, estimating total cost of ownership, and product life cycle plans.

Who Should Attend: This course is specifically developed to support Project Managers who need to meet the Federal Acquisition Certification for Program and Project Management (FAC-P/PM) program core training requirements.

Prerequisites: Students should have taken the Project Management I course.

Benefits of Attendance: Upon completion of this course, students will be able to:

- Develop and document an integrated master schedule
- Assist in the development of an estimate of Total Ownership Cost (TOC)
- Define requirements, clearly, to meet needs, including, where appropriate, performance-based outcomes and setting performance standards
- Formulate the key features of a risk/opportunity management process
- Create a requirements development process that provides traceability back to user-defined capabilities
- Formulate the key features of the Test and Evaluation (T&E) program/project, including modeling and simulation
- Develop a life cycle plan for delivering, maintaining, and retiring a product that includes supply chain considerations

Course Outline:

Analyzing Program / Project Needs

Performance parameters objectives and thresholds
Affordability constraints
Scheduling constraints
Technical constraints
Environmental issues

Develop and Document an Integrated Master Schedule

Schedule network tools and techniques
Work loading methods
Process Inputs

Preparing Total Life Cycle Management Plans

Phased inputs & outputs
Deliverables for phases
Project technical reviews
Audits
Program/project functions planning

Estimating Total Cost of Ownership

Rough estimating techniques and tools
ECP & Modification Costs
Program / Project Cost
Life Cycle Cost
Associated risk levels
Assumption validation
Business case analysis

Structuring a Requirements Development Process

Establishing Operational Needs
Attributes
Performance Parameters
Trade-offs
Constraints
Confirming Completeness

Testing and Evaluation (T&E)

Planning & Monitoring
Conducting Tests
Prototyping
New Systems
Relating testing to requirements
Developing Metrics

Risk/Opportunity Management

Analyzing Risk Events
Reviewing Risk Status
Integrating risk status into project routines
Managing risk at project and organization levels
Standardizing risk management practices