

**Course Description:** This course covers the basics of Earned Value Management and Cost Estimation.

**Who Should Attend:** This course is specifically developed to support Project Team Leads who need to setup, provide metrics for, base decisions on, or use Earned Value Management. The course is specifically designed for those who need to meet the Federal Acquisition Certification for Program and Project Management (FAC-P/PM) program core training requirements.

**Prerequisites:** There are no prerequisites for this course.

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

- Coordinate an integrated master plan for life cycle management and support.
- Assess and oversee the application of department/agency financial policies and directives as they relate to program and resource management.
- Direct and monitor risk management processes and making adjustments as necessary.
- Administer a comprehensive test and evaluation program.
- Examine and implement innovative, alternative logistics support practices.
- Plan for adequate staffing and resources across the program life cycle.

### Course Outline:

#### Earned Value Management

Defined  
Policies  
Methodologies  
Software  
Examples

#### Scoping Work

Scope Statement  
The WBS  
Decomposition  
Levels of Detail  
Documentation  
Lab: Scoping a Work Package

#### Estimating Techniques

Analogous Estimates  
Three Point Estimates  
One Time Estimates  
Lab: Decomposing into Assignments

#### Progress Tracking

Expected Levels of Detail  
Expected Levels of Accuracy  
Time and Cost Reserves  
Lab: Tracking Team Progress

#### EVM Background Information

The Triple Constraint  
Earned Value Terminology  
Earned Value Inputs  
Lab: Gathering EVM Inputs

#### Earned Value Formulas and Calculations

Indexes  
Variances  
Estimates  
Interpretation  
Lab: EVM Calculations

#### Task Level Earned Value Scenarios

Introduction  
Workshop Brief  
Workshop  
Review and Analysis

#### Using Software To Compute Earned Value

Spreadsheet Applications  
MS Project  
MS Project Based Reporting Workshop

#### The Integrated Baseline Review

Defined  
Need  
Example  
Usefulness