



SEER for IT Course Description

CORE WORKSHOP

The SEER for IT Core Workshop is intended for senior IT professionals, software project managers, cost estimators and engineering staff that will use SEER-IT to improve the success rate on complex IT projects. The workshop covers the basic functions of gathering and assessing inputs such as software size and complexity, infrastructure elements, deployment concepts and project management subjects. Through extensive “hands-on” experience, we walk you through a structured process that will develop a complete project lifecycle estimate, showing you how to make use of the many features of SEER IT to increase reliability and provide insight into risk, uncertainty and cost drivers associated with IT project development and management.

This course is designed for:

- Project Managers
- Software Managers
- Cost Estimators
- Software Engineers
- Acquisition Professionals
- Systems Engineers

Upon completion of the class, users will be able to:

- Determine optimum, achievable plans based on estimates
- Substantiate estimates and their basis
- Establish and Optimize total ownership costs
- Make decisions regarding cost, schedule, reliability
- Quantify risk and risk management approaches
- Estimate budget, staffing and schedule
- Estimate risk

SEER for IT Core Course Outline

Day One

• General Model Overview

- Window Interfaces, Help, View Options,
- Create new project/elements
- Work Elements
- Work Breakdown Structure(WBS)
 - Structure of the WBS
 - Rearranging, Copy & Pasting
- Setting Parameter Values
- Charts and Reports
- Tradeoff Analysis

• Parametric Tools Development and Estimation

- What is a SEER-IT Estimate
- Estimating Timeline
- Estimate Components
- Cost Methodologies
- Analogy Estimating
- Uncertainty
- Steps in estimating
- Building a defensible estimate
- Estimating Pitfalls

Day Two

• Model Inputs

- Global Inputs
- Application Development
- Schedule, ongoing support
- Contractor/In house
- Purchased Hardware
- Purchased Software
- Infrastructure Services
- Infrastructure Services Process Flow
- Software/Database Services
- Software/Database Services Process Flow
- End User Services
- End User Services Process Flow
- Training
- Training Process Flow
- User Documentation
- Facilities
- Facilities Process Flow
- Service Desk

Day Three

• Outputs

- Simple Post Processing, Charts & Reports
- Report Preview, print and Export
- Reports and Charts
- Simple Basis of Estimate (BOE)

ADVANCED POWER USER

Advanced workshops are intended for those who have used SEER for IT to develop and evaluate estimates, and are ready to move to the next level in using SEER tools to support their projects. These workshops cover specific topics, including:

- Power-user functions for the SEER for IT expert
- Model Calibration
- Customization of Knowledge Bases
- Project Management

Pre-requisite: SEER for IT Core or practical experience in parametric estimation fundamentals.

This course is designed for:

- Project Managers
- Software Managers
- Cost Estimators
- Software Engineers
- Acquisition Professionals
- Systems Engineers

Upon completion of the class, users will be able to:

- Establish a Portfolio of multiple estimates
- Analyze data common to multiple estimates
- Calibrate SEER for IT for unique factors
- Capture organizational estimation history
- Provide Portfolio Estimate views of Cost, Schedule, Effort and Risk
- Facilitate the use of Estimation Best Practices
- Improve estimation accuracy, consistency and fidelity

SEER for IT Core Course Outline

Day One

- Advanced Global Settings
- Export Commands
- Search Database
- SEER-IT Scenarios
- Custom Knowledge bases
- Portfolio Management and Merging Subprojects
- Calibration Mode
- Server Mode
- SEER-IT Catalogs

Day Two

- Element Property fields
- File Organization
- Capture Software
- Advance Post Processing for Reports & Charts
- Allocating Effort into a configurable table
- Post Processing & Visual Basic
- Export Report & Copy Report
- Basis of Estimate (BOE)