Who should attend (Audience)

This course is intended for Software Developers, Testing Analysts, IT Business Administrators, Business Solutions Architects, Quality Analysts, and other IT Professionals who need a solid foundation in monitoring and controlling a product during the development life cycle. Software Configuration Management (SCM) applies at the SDLC phase, regardless of the type, size, language, or budget of a programming project.

What is this course about?

Software configuration management (SCM) is a process for facilitating and controlling changes to software products within an organization. This course covers configuration activities such as: configuration planning, change control and management, system building, and version and release management. You learn how the application core processes of SCM contribute to the success of a software project. A software and hardware prototype is used in the case study throughout the course, allowing the concepts of SCM to be applied during workshops and activities.

Recommended prerequisites

- None

Previous knowledge & experience needed

- Familiarity with software development life cycle concepts is helpful.
Course Details

Chapter 1: The Software Configuration Management Environment
- Goals and Processes of SCM
- Organizations and Projects
- Introductions to the Case Study
- The SCM Plan
- Best Practices

Chapter 2: CSA and the Configuration Library
- SCM in the Development Life Cycle
- SCM Library
- Configuration Status Accounting
- Best Practices

Chapter 3: Configuration Identification
- Candidate Configuration Items
- Bringing Work Products Under Configuration Management Control
- Baselines
- Best Practices

Chapter 4: Configuration Control
- Managing Change
- Planning for Change
- Processing a Change
- External Change
- Best Practices

Chapter 5: Configuration Audits
- SCM Audits
- Baseline Audits
- Release Audits
- Best Practices

Chapter 6: Build Management
- The Build Process
- Keeping Track of All That Code
- Best Practices

Chapter 7: Release Management
- Release Strategies
- The Release Process
- Documenting a Release
- Best Practices

Chapter 8: Implementing SCM in Your Organization
- The Software Tool Horizon
- Analyzing and SCM Plan
- Be Prepared for the Excuses
- Best Practices

Chapter 9: Course Summary
Common Questions – Attendance Policy, Contacts

**What is the Attendance Policy for IT Academy Classes?**
IT Academy attendees are expected to adjust their work schedule to match the IT Academy class hours of 8:00am – 4:00pm. 100% attendance is expected in each IT Academy class. Missing time in class may result in the following:

- **No Show=** Employees who do not show up for class or arrive more than one (1) hour after the start of class will be advised to reschedule for the next available course.
- **Incomplete=** Employees missing a half day or more of class-any day of class-will be advised to reschedule for the next available course. Employees not available to sit for the post-test will be considered incomplete.

**AnyWare Technical Support contact?**
AnyWare@LearningTree.com, 1-877-653-8733

**IT Academy Classroom Point of Contact?**
Christopher Marsh, Christopher.marsh@tn.gov, 615-532-5517

**How do I access the new My IT Academy Portal?**
1. Log into Edison
2. ELM Learning Home Page
3. Quick Links
4. My IT Academy (last link under Quick Link)

**For more FAQs visit the IT Academy AEM Site**