Introduction to CMMI Version 1.2

This course introduces systems and software engineering managers and practitioners, appraisal team members, and engineering process group (e.g., SEPG, EPG) members to CMMI® fundamental concepts. CMMI models are tools that help organizations improve their ability to develop and maintain quality products and services. CMMI models are an integration of best practices from proven discipline-specific process improvement models, including the CMM® for Software, EIA 731, and the Integrated Product Development CMM.

This course has been updated to be part of Version 1.2 of the CMMI Product Suite. The course was also improved to respond to change requests submitted by students, instructors, and others.

The course is composed of lectures and class exercises with ample opportunity for participant questions and discussions. After attending the course, participants will be able to describe the components of CMMI models and their relationships, discuss the process areas in CMMI models, and locate relevant information in the model.

This course fulfills a prerequisite requirement for any course requiring an official SEI Introductory CMMI course.

Objectives:
Upon completion of this course, participants will be able to:

- Describe the components of CMMI models and their relationships.
- Discuss the process areas.
- Describe the model content.

Audience:
This course is designed for product developers and process implementers, as well as anyone interested in learning about CMMI.

Prerequisites:
None

Duration:
3 days

Related courses:
Students who take this course would also benefit from the following courses:

- Introduction to the Unified Process or Unified Process Overview.
- Iterative Project Management with the Unified Process.
Outline:

1. Introduction
2. Model-based Process Improvement
3. Overview of CMMI Components
4. Institutionalization
5. Process Areas of CMMI Models
6. Structure of the Continuous and Staged Representations
7. Next Steps

On the first day of the course, participants will receive *CMMI®: Guidelines for Process Integration and Product Improvement, Second Edition*, and a course notebook with copies of the course slides.

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This training shall be delivered through an authorized SEI Partner.

CMMI is registered in the U.S. Patent and Trademark Office by Carnegie Mellon University.
Why IconATG?

- Fourteen years of experience mentoring, consulting, and developing training programs for large IT organizations
- Full software lifecycle curriculum of cost-effective, tailored courses
- Seasoned instructors qualified through hands-on experience
- Experienced mentors and consultants with demonstrated project success
- Proven experience tailoring and extending the Unified Process

IconATG is a thought-leader in information technology training, mentoring and consulting. Our training staff has successfully developed cost-effective customized IT training programs and we have taught thousands of students through our formal courseware and hands-on workshops. We offer introductory to advanced courses in focused disciplines of the full software lifecycle including the Unified Process (RUP), UML, requirements and use cases, usability, iterative project management, and programming. Our instructors’ real-world expertise is incorporated in each of our classes, giving your team the practical skills to be more productive when developing today’s most demanding applications.

Our mentors and consultants have worked with project teams to apply new technologies and processes in their organizations to ensure project success. Full lifecycle experience allows IconATG consultants to deliver expert knowledge in specific disciplines, while providing an understanding of the workflow throughout the lifecycle. Mentors and consultants actively work with the project team helping them develop skills and address problems through facilitation, demonstration, co-development, review, observation and advice. Mentoring solidifies knowledge gained through training by applying the concepts learned in class. Icon’s extensive project experience has shown that teams truly understand new processes and techniques only by applying them with a seasoned mentor.