



Introduction to CMMI[®] for Development Improving processes for better products

General Description

This three-day course introduces managers and practitioners, appraisal team members, and process improvement teams to Capability Maturity Model-Integration (CMMI) fundamental concepts.

The CMMI for Development (CMMI-DEV v1.3) model is a tool that helps organizations to improve their ability to develop and maintain quality products and services. It consists of best practices spanning the product lifecycle from conception through delivery and maintenance.

This course fulfills a prerequisite requirement for many courses requiring an official SEI Introductory CMMI course and also fulfills a prerequisite if you want to be a member of a CMMI-DEV SCAMPI appraisal team.

Objectives & Outcomes

Students completing this course will be able to:

- Describe the components of the CMMI-DEV model and their relationships,
- Discuss the process areas in the CMMI-DEV model, and locate relevant information in the model.

Intended Audience

This course is designed for managers and key staff interested in understanding how to leverage CMMI for Development, and for members of CMMI appraisal teams.

Course Requirements

Successful completion of this course requires that participants actively participate in classroom discussions and exercises in all three days, not missing any classroom time.

Course Topics

The following topics can be covered:

- Introduction to CMMI
- Model-based process improvement
- Process Maturity – CMMI Principles
- Overview of CMMI components
- Institutionalization
- Process areas of CMMI-DEV
- Structure for the continuous and staged representations
- Project Management, Process Management, Engineering, and Support Process Areas
- Generic Practices
- Overview of CMMI Appraisals

Student Material

Participants will receive a copy of the CMMI-DEV model, a course notebook with copies of the course slides, and reference guides and exercise handouts.

