

PLAN YOUR TRAINING WITH CORE PLUS

Core Plus represents an enhanced career field certification and development framework that is best illustrated as three concentric circles.



The **inner ring**, Core Acquisition Certification, represents the broad range of competencies that are common across the Defense Acquisition Workforce.

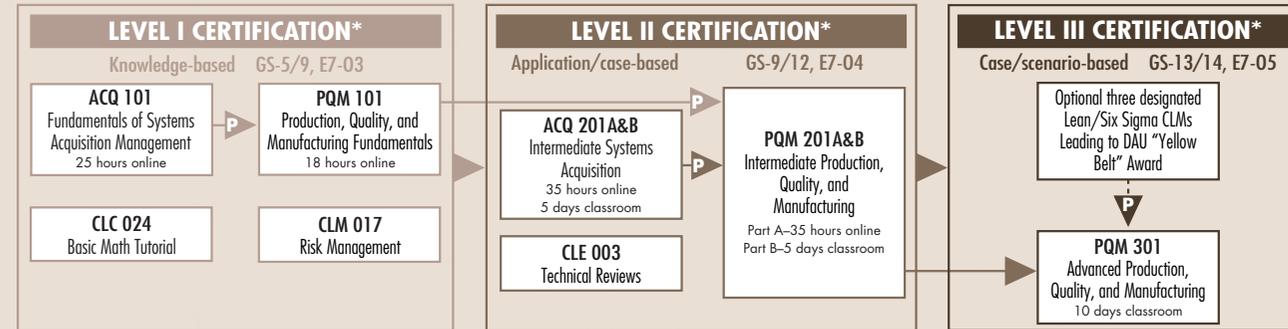
The **middle ring**, Core Functional Certification, represents those specialized competencies that relate to an acquisition function (i.e., career field) such as contracting, program management, test and evaluation, or any one of the 12 acquisition career fields.

Finally, the **outer ring**, Core Plus, represents those acquisition or functional competencies that target tasks directly related to specific types of job assignments in a particular acquisition career field.

For each career field/path, the combination of the inner and middle rings for each level (I, II, and III) will represent the minimum career field certification standards associated with the position requirements.

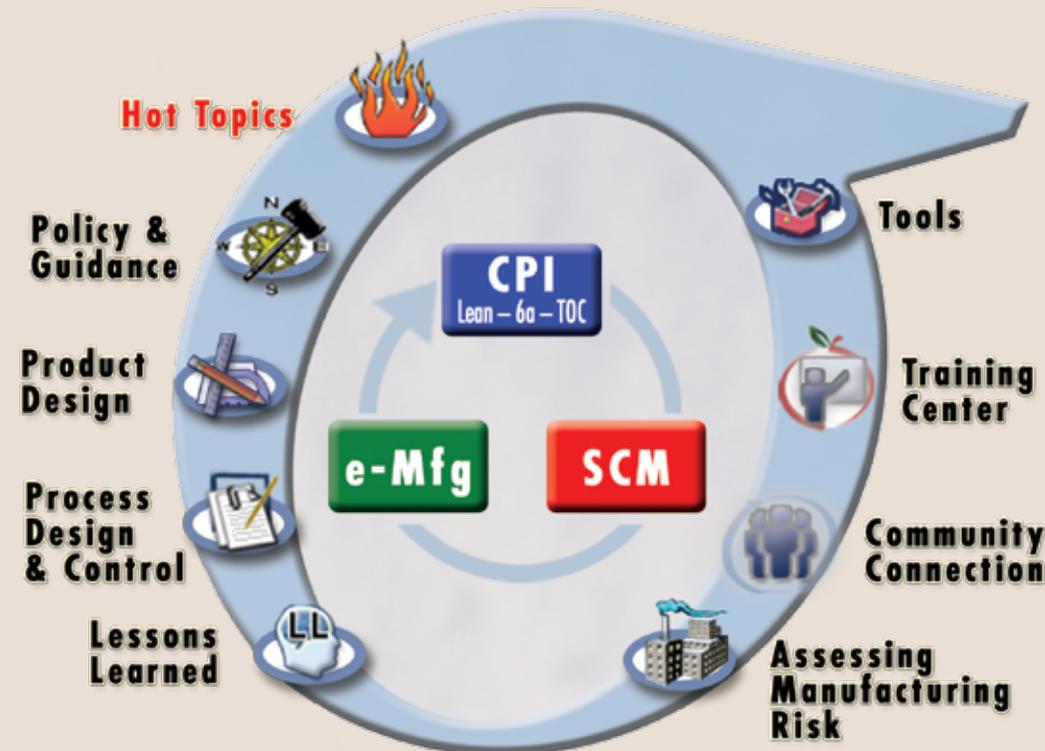
- LOG 101 - Acquisition Logistics Fundamentals
- LOG 102 - Systems Sustainment Management Fundamentals
- LOG 203 - Reliability and Maintainability
- LOG 204 - Configuration Management
- PMT 250 - Program Management Tools
- PMT 35A - Program Management Office Course, Part A
- PQM 103 - Defense Specification Management
- PQM 104 - Specification Selection and Application
- PQM 202 - Commercial and Nondevelopmental Item Acquisition
- PQM 203 - Preparation of Commercial Item Description for Engineering and Technical Personnel
- SYS 101 - Fundamentals of Systems, Planning, Research, Development, and Engineering
- TST 102 - Fundamentals of Test and Evaluation
- TST 203 - Intermediate Test and Evaluation
- CLC 011 - Contracting for the Rest of Us
- CLC 019 - Leveraging DCMA for Program Success
- CLC 040 - Predictive Analysis and Scheduling
- CLC 042 - Predictive Analysis and Quality Assurance
- CLE 001 - Value Engineering
- CLE 004 - Introduction to Lean Enterprise Concepts
- CLE 007 - Lean Six Sigma for Manufacturing
- CLE 008 - Six Sigma: Concepts and Processes
- CLE 009 - System Safety in Systems Engineering
- CLE 011 - Modeling and Simulation for Systems Engineering
- CLE 015 - Continuous Process Improvement Familiarization
- CLE 017 - Technical Planning
- CLE 021 - ISO 9000:2000
- CLE 028 - Market Research for Engineering and Technical Personnel
- CLE 301 - Reliability and Maintainability
- CLL 008 - Designing for Supportability in DoD Systems

Production, Quality, and Manufacturing Certification Standards



*Includes additional discretionary job-competency continuous learning modules under Core Plus. For more information, visit <http://catalog.dau.mil>.
P = Prerequisite Hours for online courses are approximate.

Production, Quality, and Manufacturing Community of Practice



For more information, visit <https://acc.dau.mil/pqm>



Production, Quality, and Manufacturing Career Track



Turning Requirements and Concepts into Reality

ACQ 101

Fundamentals of Systems Acquisition Management

- Provides a broad overview of the DoD systems acquisition process, covering all phases of acquisition.
- Introduces the Joint Capabilities Integration and Development Systems; the planning, programming, budgeting, and execution process; DoD 5000 series policy documents; and current issues in systems acquisition management.
- Target Audience: Open to all ranks and grades.
- This is a self-paced, online course.
- Prerequisite: None.

PQM 101

Production, Quality, and Manufacturing Fundamentals

- Professionals will learn the multifunctional roles performed by members of the Production, Quality, and Manufacturing career field.
- Provides an overview of manufacturing and quality processes, scheduling and control techniques, and various quality and production surveillance activities.
- Target Audience: Industrial specialists, industrial engineers, quality assurance specialists, production officers, production specialists, contract administrators, and other acquisition personnel involved with or having duties in the areas of production, quality, or manufacturing.
- This is a self-paced, online course.
- Prerequisite: ACQ 101.

CLC 024

Basic Math Tutorial

- Provides a refresher of basic math skills that may be required when performing calculations without the aid of a performance-support tool or calculator.

CLM 017

Risk Management

- Focuses on tools and processes that can be used to manage risk on a defense acquisition project.

ACQ 201A

Intermediate Systems Acquisition, Part A

- Prepares midlevel acquisition professionals to work in integrated product teams and to better understand systems acquisition principles and processes.
- Professionals will use computer-based training to virtually participate in simulated integrated product teams, developing plans and resolving problems.
- Target Audience: Military officers, O-3 and above; civilians, GS-9 and above.
- This is a self-paced, online course.
- Prerequisite: ACQ 101.

ACQ 201B

Intermediate Systems Acquisition, Part B

- Prepares midlevel acquisition professionals to better understand systems acquisition principles and processes.
- Professionals will participate in integrated product teams that will allow them to enhance and apply their knowledge of the business, technical, and managerial aspects of acquisition.
- Target Audience: Military officers, O-3 and above; civilians, GS-9 and above.
- 5 days classroom.
- Prerequisite: ACQ 201A.

PQM 201A

Intermediate Production, Quality, and Manufacturing, Part A

- Professionals gain an understanding of the technical aspects of cost estimating, activity-based costing, and physical progress reviews, and also receive a thorough review of quality audits, nonconforming reviews, and other quality topics.
- Course identifies the concepts that apply to lean manufacturing, the Theory of Constraints, and other production management and material control techniques.
- Target Audience: Those seeking Level II certification in Production, Quality, and Manufacturing. It is also for production, quality, or engineering personnel providing pre- or post-award technical support.
- This is a self-paced, online course.
- Prerequisite: ACQ 201B and PQM 101.

PQM 201B

Intermediate Production, Quality, and Manufacturing, Part B

- Professionals learn to apply production and quality requirements of the Federal Acquisition Regulation (FAR) and Defense FAR Supplement.
- Course gives professionals the skills needed to prepare and review integrated management plans for manufacturing and quality requirements.
- Target Audience: Those seeking Level II certification in Production, Quality, and Manufacturing. It is also for production, quality, or engineering personnel providing pre- or post-award technical support.
- 5 days classroom.
- Prerequisite: ACQ 201A.

CLE 003

Technical Reviews

- Presents essential practical guidelines for integrating several different technical reviews into the systems engineering process and DoD acquisition life cycle based on best engineering practices.



"No changes to the acquisition system itself can substitute for good sense, good discipline, alignment of what we buy with what our strategy requires and, above all, good people performing the acquisition function."

Ashton B. Carter
Under Secretary of Defense
for Acquisition, Technology & Logistics

PQM 301

Advanced Production, Quality, and Manufacturing

- Provides an overview of the role of manufacturing and quality assurance as part of the integrated DoD systems engineering process.
- Professionals learn to implement modern distributed manufacturing management practices as well as apply basic design of experiments, modeling and simulation, quality function deployment, statistical process control, Six Sigma, design-build principles, and risk management techniques.
- Target Audience: Military officers, O-3/O-4; civilians, GS-12/GS-13.
- 10 days classroom.
- Prerequisite: PQM 201B.

Optional Lean/Six Sigma Continuous Learning Modules**

- After February 2005, completion of PQM 301 is a prerequisite for "Yellow Belt" certification.
- Professionals can obtain "Yellow Belt" certification by completing all three modules listed below.

CLE 004

Introduction to Lean Enterprise Concepts

- Explains lean enterprise concepts and techniques—the key to success for many corporations around the world.

CLE 007

Lean Six Sigma

- A continuation of the "Introduction to Lean Enterprise Concepts" module, and also gives participants further understanding of Six Sigma concepts and process.

CLE 008

Six Sigma: Concepts and Process

- Introduces the foundations of the Six Sigma quality control methodology created by Motorola to increase the productivity and quality of products and customer service processes.

This certification may not be accepted as equivalent training for Service- or agency-level "Yellow Belt" training. Please consult your training office to see if this satisfies local requirements.



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