

CERTIFICATION STANDARDS & CORE PLUS DEVELOPMENT GUIDE PRODUCTION, QUALITY AND MANUFACTURING LEVEL I

Type of Assignment	Representative Activities
Quality Assurance Engineer	<ul style="list-style-type: none"> ● Builds quality characteristics (i.e., performance, cost, durability, safety, ease of use, reliability, maintainability, availability, ease of disposal, simplicity of design, and configuration management) into the designs of the products and services. ● Ensures consistency of requirements as they flow down to the component level.
Quality Assurance Specialist	<ul style="list-style-type: none"> ● Ensures the appropriate quality characteristics have been integrated into the products. ● Monitors products and services through life cycle and the supply chain. ● Validates/verifies adherence to specified requirements through test and measurement activities.
Manufacturing/Production Engineer	<ul style="list-style-type: none"> ● Participates in manufacturing planning. ● Builds producibility into designs (tooling, facilities, and products). ● Evaluates production capability and capacity of manufacturing processes.
Manufacturing/Production Specialist	<ul style="list-style-type: none"> ● Performs production surveillance. ● Monitors schedule and delivery processes. ● Participates in assessing manufacturing/production readiness.

Core Certification Standards (required for DAWIA certification)

Acquisition Training	ACQ 101 Fundamentals of Systems Acquisition Management
Functional Training	<ul style="list-style-type: none"> ● PQM 101 Production, Quality, and Manufacturing Fundamentals ● CLC 024 Basic Math Tutorial ● CLM 017 Risk Management
Education	Formal education not required for certification
Experience	1 year of acquisition experience in manufacturing, production, or quality assurance

Core Plus Development Guide (desired training, education, and experience)	Type of Assignment			
	QA Eng	QA Spc	Man/Prod Eng	Man/Prod Spc
Training				
CLE 004 Introduction to Lean Enterprise Concepts	✓	✓	✓	✓
CLE 011 Modeling and Simulation for Systems Engineering	✓		✓	
CLE 015 Continuous Process Improvement Familiarization	✓	✓	✓	✓
CLE 201 ISO 9000	✓	✓	✓	✓
LOG 101 Acquisition Logistics Fundamentals	✓	✓	✓	✓
LOG 102 Fundamentals of System Sustainment Management		✓		
SYS 101 Fundamentals of Systems Planning, Research, Development, and Engineering	✓	✓	✓	✓
SYS 120 Defense Standardization Workshop (R)	✓	✓	✓	
SYS 130 Specification Selection and Application (R)	✓	✓	✓	
TST 102 Fundamentals of Test and Evaluation	✓		✓	
Education				

Baccalaureate degree in engineering, chemistry, physical science, mathematics, statistics, manufacturing or production management, industrial technology or management, business, quality assurance, or a related field

Experience

At least 4 weeks of rotational assignments at a contractor and/or governmental industrial facility that includes experience in quality, manufacturing, engineering, and contracting

Notes:

1 The Core Certification Standards section lists the training, education, and experience REQUIRED for certification at this level.

2 "(R)" following a course title indicates the course is delivered as resident based instruction.

3 When preparing your IDP, you and your supervisor should consider the training, education, and experience listed in this Core Plus Development Guide if not already completed.

13 Some continuous learning (CL) modules have been created by extracting lessons in their entirety from a training course. If this is the case for the CL module(s) identified in the above core certification standards, the course from which the CL module was extracted is identified in the "Notes" section of the CL course description and the course can be substituted to meet the certification standard.