

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

Type of Assignment	Representative Activities
<b>Engineer</b>	<ul style="list-style-type: none"> <li>● Establishes production planning and control process and measures the overall effectiveness of the organization, methods, systems, and procedures.</li> <li>● Builds producibility into designs (tooling, facilities and products).</li> <li>● Builds quality characteristics into the designs of products and services.</li> </ul>
<b>Industrial Specialist</b>	<ul style="list-style-type: none"> <li>● Develops and carries out plans for the expansion, conversion, integration or utilization of industrial production facilities and conducts surveys of industrial plants to determine capacity and potential for production of specific commodities.</li> <li>● Performs production surveillance/oversight of Defense contractors providing services or supplies (to include Contractor proposal reviews) based on mission and function of each agency and local organization.</li> <li>● Performs Industrial Base studies for capability and capacity.</li> <li>● Participates in Pre and Post award conferences as subject matter experts.</li> </ul>
<b>Quality Assurance Specialist</b>	<ul style="list-style-type: none"> <li>● Ensures the proper quality characteristics have been integrated into the products and validates/verifies adherence to specified requirements through test and measurement.</li> <li>● Performs quality assurance surveillance/oversight of Defense contractors providing services or supplies (to include Contractor proposal reviews) based on mission and function of each agency and local organization.</li> <li>● Performs Industrial Base studies for quality management.</li> <li>● Participates in Pre and Post award conferences as subject matter experts.</li> </ul>
<b>Business/Industrial Specialist</b>	Performs planning, estimating, scheduling, or expediting the use of labor, machines, and materials in manufacturing operations producing equipment, systems, facilities, supplies, or maintenance.

**Core Certification Standards (required for DAWIA certification)**

<b>Acquisition Training</b>	<b>ACQ 101</b> Fundamentals of Systems Acquisition Management
<b>Functional Training</b>	<ul style="list-style-type: none"> <li>● <b>PQM 101</b> Production, Quality, and Manufacturing Fundamentals</li> <li>● <b>CLE 003</b> Technical Reviews</li> <li>● <b>CLM 017</b> Risk Management</li> </ul>
<b>Education</b>	Formal education not required for certification
<b>Experience</b>	<ul style="list-style-type: none"> <li>● 1 year of acquisition experience in manufacturing, production, or quality assurance</li> <li>● Similar experiences gained from other government or industry positions are acceptable as long as they meet the above standards.</li> </ul>

Core Plus Development Guide (desired training, education, and experience)	Type of Assignment			
	Eng	Ind Spc	QA Spc	Bus & Ind Spc
<b>BCF 106</b> Fundamentals of Cost Analysis	✓	✓	✓	✓
<b>CLB 007</b> Cost Analysis	✓			✓
<b>CLC 001</b> Defense Subcontract Management	✓	✓	✓	✓
<b>CLC 006</b> Contract Terminations		✓	✓	✓
<b>CLC 007</b> Contract Source Selection	✓	✓	✓	✓
<b>CLC 011</b> Contracting for the Rest of Us	✓	✓	✓	✓
<b>CLE 001</b> Value Engineering	✓	✓	✓	✓
<b>CLE 004</b> Introduction to Lean Enterprise Concepts	✓	✓	✓	✓

<b>CLE 011</b> Modeling and Simulation for Systems Engineering	✓			✓
<b>CLE 201</b> ISO 9000	✓	✓	✓	✓
<b>CLM 014</b> IPT Management and Leadership	✓	✓	✓	✓
<b>CLM 024</b> Contracting Overview	✓	✓	✓	✓
<b>CLM 032</b> Evolutionary Acquisition	✓	✓	✓	✓
<b>ENG 101</b> Fundamentals of Systems Engineering	✓		✓	✓
<b>EVM 101</b> Fundamentals of Earned Value Management	✓	✓	✓	✓
<b>LOG 101</b> Acquisition Logistics Fundamentals	✓	✓	✓	✓
<b>LOG 102</b> Fundamentals of System Sustainment Management'	✓		✓	✓
<b>TST 102</b> Fundamentals of Test and Evaluation	✓		✓	✓

### Education

Baccalaureate degree (desired) 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/Training Standards section lists the training and/or, education, and experience REQUIRED for certification at this level or training for this career path.

**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.