

**CERTIFICATION STANDARDS & CORE PLUS DEVELOPMENT GUIDE  
PRODUCTION, QUALITY AND MANUFACTURING LEVEL2**

Type of Assignment	Representative Activities
Quality Assurance Engineer	<ul style="list-style-type: none"> <li>● 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.</li> <li>● Ensures consistency of requirements as they flow down to the component level.</li> </ul>
Quality Assurance Specialist	<ul style="list-style-type: none"> <li>● Ensures appropriate quality characteristics have been integrated into the product.</li> <li>● Monitors the products and services through life cycle and the supply chain.</li> <li>● Validates/verifies adherence to specified requirements through test and measurement activities.</li> <li>● Leads and coordinates quality assurance activities.</li> </ul>
Manufacturing/Production Engineer	<ul style="list-style-type: none"> <li>● Evaluates manufacturing planning.</li> <li>● Builds producibility in designs (tooling, facilities, and products).</li> <li>● Evaluates production capability and capacity of manufacturing processes.</li> <li>● Coordinates with systems engineering and design functions.</li> </ul>
Manufacturing/Production Specialist	<ul style="list-style-type: none"> <li>● Performs production surveillance.</li> <li>● Monitors schedule and delivery processes.</li> <li>● Evaluates manufacturing/production readiness.</li> </ul>

**Core Certification Standards (Required for DAWIA certification.)**

Acquisition Training	<ul style="list-style-type: none"> <li>● <a href="#">ACQ 201A</a> Intermediate Systems Acquisition, Part A</li> <li>● <a href="#">ACQ 201B</a> Intermediate Systems Acquisition, Part B (R)</li> </ul>
Functional Training	<ul style="list-style-type: none"> <li>● <a href="#">PQM 201A</a> Intermediate Production, Quality, and Manufacturing, Part A</li> <li>● <a href="#">PQM 201B</a> Intermediate Production, Quality, and Manufacturing, Part B (R)</li> <li>● <a href="#">CLE 003</a> Technical Reviews</li> </ul>
Education	● Formal education not required for certification
Experience	● 2 years 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
<a href="#">CLC 011</a> Contracting for the Rest of Us	✓	✓	✓	✓

<a href="#"><u>CLC 042</u></a> Predictive Analysis and Quality Assurance	✓	✓		
<a href="#"><u>CLE 001</u></a> Value Engineering	✓	✓	✓	✓
<a href="#"><u>CLE 008</u></a> Six Sigma: Concepts and Processes		✓		✓
<a href="#"><u>CLE 009</u></a> System Safety in Systems Engineering	✓	✓	✓	✓
<a href="#"><u>CLE 017</u></a> Technical Planning	✓		✓	
<a href="#"><u>CLE 028</u></a> Market Research for Engineering and Technical Personnel	✓			
<a href="#"><u>CLE 301</u></a> Reliability and Maintainability	✓	✓	✓	✓
<a href="#"><u>CLM 021</u></a> Introduction to Reducing Total Ownership Costs (R-TOC)	✓	✓	✓	✓
<a href="#"><u>LOG 103</u></a> Reliability, Availability, and Maintainability (RAM)	✓		✓	
<a href="#"><u>LOG 200</u></a> Intermediate Acquisition Logistics, Part A	✓	✓	✓	✓
<a href="#"><u>LOG 204</u></a> Configuration Management	✓	✓	✓	✓
<a href="#"><u>PQM 203</u></a> Preparation of Commercial Item Description for Engineering and Technical Personnel	✓		✓	
<a href="#"><u>TST 203</u></a> Intermediate Test and Evaluation (R)	✓		✓	

### 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 one 30-day rotational assignment at a contractor and/or government industrial facility that includes experience in quality, manufacturing, engineering, and contracting.
- Two (2) years experience in manufacturing, production, or quality assurance (in addition to core certification experience)

#### **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.
- 5** When preparing your IDP, you and your supervisor should consider the training, education, and experience listed in the Core Plus Development Guide at this and the lower level(s) 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.