

**CERTIFICATION STANDARDS & CORE PLUS DEVELOPMENT GUIDE  
SPRDE – PROGRAM SYSTEMS ENGINEER LEVEL I**

Type of Assignment	Representative Activities
<b>Acquisition Program Systems Engineer</b>	<ul style="list-style-type: none"> <li>● Demonstrates how systems engineering technical and technical management processes apply to acquisition programs.</li> <li>● Interacts with program IPTs regarding the proper application of systems engineering processes.</li> <li>● Develops systems models and work breakdown structures; uses top-down design and bottom-up product realization.</li> </ul>
<b>Sustainment Program Systems Engineer</b>	<ul style="list-style-type: none"> <li>● Demonstrates how systems engineering processes apply while working in a program office or user support team supporting in-service, out-of-production systems.</li> <li>● Interacts with user support teams regarding sustainability and reliability/maintainability improvements on fielded systems.</li> </ul>

**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>CLM 017</b> Risk Management</li> <li>● <b>SYS 101</b> Fundamentals of Systems Planning, Research, Development, and Engineering</li> <li>● Two 100-level courses must come from the following list:</li> <li>● <b>BCF 102</b> Fundamentals of Earned Value Management</li> <li>● <b>IRM 101</b> Basic Information Systems Acquisition</li> <li>● <b>LOG 102</b> Fundamentals of System Sustainment Management'</li> <li>● <b>PQM 101</b> Production, Quality, and Manufacturing Fundamentals</li> <li>● <b>TST 102</b> Fundamentals of Test and Evaluation</li> </ul>
<b>Education</b>	Baccalaureate or graduate degree in a technical or scientific field such as engineering, physics, chemistry, biology, mathematics, operations research, engineering management, or computer science
<b>Experience</b>	<ul style="list-style-type: none"> <li>● 2 years of experience in an SPRDE-SE, SPRDE-PSE, or SPRDE-S&amp;TM acquisition position</li> <li>● Similar experience gained from other government positions or industry is acceptable as long as it meets the above standards</li> </ul>

Core Plus Development Guide (desired training, education, and experience)	Type of Assignment	
	Acq Prg Sys Eng	Sus Prg Sys Eng
<b>Training</b>		
<b>BCF 102</b> Fundamentals of Earned Value Management	✓	
<b>BCF 106</b> Fundamentals of Cost Analysis	✓	
<b>BCF 107</b> Applied Cost Analysis (R)	✓	
<b>CLB 009</b> Planning, Programming, Budgeting, and Execution and Budget Exhibits	✓	✓
<b>CLB 016</b> Introduction to Earned Value Management	✓	✓
<b>CLC 108</b> Strategic Sourcing Overview		✓
<b>CLC 112</b> Contractors Accompanying the Force		✓
<b>CLE 001</b> Value Engineering	✓	✓
<b>CLE 004</b> Introduction to Lean Enterprise Concepts	✓	✓

<b><u>CLE 009</u></b> ESOH in Systems Engineering	✓	
<b><u>CLE 011</u></b> Modeling and Simulation for Systems Engineering	✓	
<b><u>CLE 015</u></b> Continuous Process Improvement Familiarization	✓	✓
<b><u>CLE 036</u></b> Engineering Change Proposals for Engineers	✓	✓
<b><u>CLE 062</u></b> Human Systems Integration	✓	✓
<b><u>CLL 002</u></b> Defense Logistics Agency Support to the PM	✓	✓
<b><u>CLL 006</u></b> Depot Maintenance Partnering		✓
<b><u>CLL 011</u></b> Performance Based Life Cycle Product Support (PBL)	✓	✓
<b><u>CLL 017</u></b> Introduction to Defense Distribution		✓
<b><u>CLM 013</u></b> Work-Breakdown Structure	✓	
<b><u>CLM 016</u></b> Cost Estimating	✓	✓
<b><u>CLM 017</u></b> Risk Management	✓	✓
<b><u>CLM 021</u></b> Introduction to Reducing Total Ownership Costs (R-TOC)	✓	
<b><u>CLM 032</u></b> Evolutionary Acquisition	✓	✓
<b><u>IRM 101</u></b> Basic Information Systems Acquisition	✓	✓
<b><u>LOG 101</u></b> Acquisition Logistics Fundamentals	✓	
<b><u>LOG 102</u></b> Fundamentals of System Sustainment Management		✓
<b><u>PQM 101</u></b> Production, Quality, and Manufacturing Fundamentals	✓	
<b><u>TST 102</u></b> Fundamentals of Test and Evaluation	✓	✓
<b>Education</b>		
None specified		
<b>Experience</b>		
None specified		

**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.