<table>
<thead>
<tr>
<th>Type of Assignment</th>
<th>Representative Activities</th>
</tr>
</thead>
</table>
| Functional Engineer | ● Plans, organizes, conducts, and/or monitors/oversees engineering activities in a functional specialty (i.e., reliability and maintainability, systems safety, materials, avionics, structures, propulsion, chemical/biological, human systems interfaces, weapons, Computer Engineer/Scientist, etc.) relating to the design, development, fabrication, installation, modification, sustainment, and/or analysis of systems or systems components.  
● Applies systems engineering technical and technical management processes to facilitate engineering activities for a functional specialty in IPT environments.  
● Performs contract management support/oversight in the areas of Quality, Manufacturing, Software, Contractor Engineering System Oversight and Pricing support. |
| General Engineer | ● Plans, organizes, conducts, and/or monitors/oversees engineering design, development, and sustainment activities for systems or systems components.  
● Applies systems engineering technical and technical management processes during design, development, and sustainment activities.  
● Performs contract management support/oversight in the areas of Quality, Manufacturing, Software, Contractor Engineering System Oversight and Pricing support. |
| Research Engineer or Scientist | ● Plans, organizes, conducts, and/or monitors/oversees science and technology research and engineering activities supporting acquisition programs, projects, or activities.  
● Applies systems engineering technical and technical management processes to manage or conduct science and technology research and engineering activities. |

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

<table>
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<tr>
<th>Acquisition Training</th>
<th>Functional Training</th>
<th>Education</th>
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</thead>
</table>
| **ACQ 202** Intermediate Systems Acquisition, Part A  
**ACQ 203** Intermediate Systems Acquisition, Part B *(R)* | **LOG 103** Reliability, Availability, and Maintainability (RAM)  
**ENG 201** Applied Systems Engineering in Defense Acquisition, Part I  
**ENG 202** Applied Systems Engineering in Defense Acquisition, Part II *(R)*  
**CLE 003** Technical Reviews  
**EFFECTIVE 1 October 2019, CLE 003 becomes a Level I requirement vice Level II** | Baccalaureate or graduate degree in a technical or scientific field such as engineering, physics, chemistry, biology, mathematics, operations research, engineering management, or computer science |

<table>
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<tr>
<th>Experience</th>
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</table>
| ● Two years of technical experience in an acquisition position with:  
● - At least 1 year in a ENG or S&TM position  
● - Remainder may come from IT, T&E, PQM, PM, or LCL |
Similar experience gained from other government positions or industry is acceptable as long as it meets the above standard.

### Core Plus Development Guide (desired training, education, and experience)

<table>
<thead>
<tr>
<th>Training</th>
<th>Type of Assignment</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Func Eng</td>
</tr>
</tbody>
</table>

- **ACQ 160** Program Protection Planning Awareness
- **BCF 110** Fundamentals of Business Financial Management
- **BCF 225** Acquisition Business Management Application (R)
- **CLB 030** Data Collection and Sources
- **CLC 041** Predictive Analysis and Systems Engineering
- **CLC 063** Sole Source Proposal Technical Evaluations
- **CLE 007** Lean Six Sigma for Manufacturing
- **CLE 008** Six Sigma: Concepts and Processes
- **CLE 012** DoD Open Systems Architecture (OSA)
- **CLE 017** Technical Planning
- **CLE 023** Modeling and Simulation in Test and Evaluation
- **CLE 026** Trade Studies
- **CLE 036** Engineering Change Proposals for Engineers
- **CLE 062** Human Systems Integration
- **CLE 066** Systems Engineering for Systems of Systems
- **CLE 074** Cybersecurity Throughout DoD Acquisition
- **CLE 076** Introduction to Agile Software Acquisition
- **CLE 078** Software Acquisition for the Program Office Workforce (SAPOW)
- **CLE 082** Prototyping and Experimentation
- **CLE 084** Models, Simulations, and Digital Engineering
- **CLL 012** Supportability Analysis
- **CLM 014** Team Management and Leadership
- **CLM 031** Improved Statement of Work
- **CLV 017** Performance Measurement Baseline
- **ISA 201** Intermediate Information Systems Acquisition (R)
- **LOG 200** Product Support Strategy Development, Part A
- **LOG 201** Product Support Strategy Development, Part B (R)
- **LOG 204** Configuration Management
- **LOG 211** Supportability Analysis (R)
- **LOG 235** Performance-Based Logistics
- **PMT 252** Program Management Tools Course, Part I
- **PQM 201A** Intermediate Production, Quality, and Manufacturing, Part A
- **STM 204** Intermediate Science and Technology Management (R)
- **TST 204** Intermediate Test and Evaluation (R)

**Education**
Graduate degree in a discipline such as engineering, physics, chemistry, biology, mathematics, operations research, engineering management, or computer science

**Experience**

Two (2) years of technical experience (in addition to core certification experience)

**Notes:**

1. The Core Certification Standards section lists the training and/or education and experience REQUIRED for certification at this level for this career field within 24 months of assignment.
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 the Core Plus Development Guide at this and the lower level(s) if not already completed.
4. 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.