CERTIFICATION STANDARDS & CORE PLUS DEVELOPMENT GUIDE
ENGINEERING LEVEL I

Type of Assignment	Representative Activities
Functional Engineer	● Plans, organizes, conducts, and/or monitors engineering activities relating to the design, development, fabrication, installation, modification, sustainment, and/or analysis of systems or systems components for a functional specialty (i.e., reliability and maintainability, systems safety, materials, avionics, structures, propulsion, chemical/biological, human systems interfaces, weapons, Computer Engineer/Scientist, etc.). ● Demonstrates how systems engineering technical processes and technical management processes guide engineering activities for a functional specialty.
General Engineer	● Plans, organizes, conducts, and/or monitors engineering design, development, and sustainment activities for systems or systems components. ● Demonstrates how systems engineering technical processes and technical management processes guide design, development, and sustainment activities.
Research Engineer or Scientist	● Plans, organizes, and conducts science and technology research and engineering activities supporting acquisition programs, projects, or activities. ● Demonstrates how systems engineering technical processes and technical management processes guide science and technology research and engineering activities.
Technical Support (Applicable to Level 1 Only)	● Plans, organizes and conducts technical activities relating to the design, development, research, fabrication, installation, modification, sustainment, inspection, production, application, standardization, testing and/or analysis of systems or systems components for a technical specialty. ● Demonstrates how systems engineering technical processes and technical support processes guide design, development and sustainment activities.

Core Certification Standards (required for DAWIA certification)

Acquisition Training	**ACQ 101** Fundamentals of Systems Acquisition Management
Functional Training	● **ENG 101** Fundamentals of Systems Engineering ● **CLE 001** Value Engineering ● **CLE 004** Introduction to Lean Enterprise Concepts ● **CLM 017** Risk Management
Education	● Baccalaureate or graduate degree in a technical or scientific field such as engineering, physics, chemistry, biology, mathematics, operations research, engineering management, or computer science ● Note: Civilians serving as an 0802, 0856, or 0895 must meet the OPM education requirements in lieu of this education standard. ● Note: Civilians serving in an 08XX Professional Engineering series position must meet the OPM education requirements in lieu of this education standard.
Experience	● 1 year of technical experience in an acquisition position from among the following career fields/paths: ENG, S&TM, IT, T&E, PQM, FE, PM, or LCL ● Similar experience gained from other government positions or industry is acceptable as long as it meets the above standards

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

Training	Type of Assignment: Func Eng	Gen Eng	Res Eng/Sci	Tech Supt
BCF 106 Fundamentals of Cost Analysis	✔	✔		
BCF 107 Applied Cost Analysis **(R)**	✔	✔		
CLB 009 Planning, Programming, Budgeting, and Execution and Budget Exhibits	✔	✔	✔	✔
CLB 024 Cost Risk Analysis Introduction	✔	✔	✔	

CLB 026 Forecasting Techniques	✔	✔	✔	
CLB 029 Rates		✔		
CLC 008 Indirect Costs	✔	✔	✔	
CLC 011 Contracting for the Rest of Us	✔	✔	✔	✔
CLC 056 Analyzing Contract Costs	✔	✔		
CLC 060 Time and Materials Contracts	✔	✔	✔	
CLE 009 ESOH in Systems Engineering	✔	✔		✔
CLE 011 Modeling and Simulation for Systems Engineering	✔	✔	✔	
CLE 015 Continuous Process Improvement Familiarization	✔	✔	✔	✔
CLE 021 Technology Readiness Assessments	✔	✔	✔	✔
CLE 045 Introduction to DoD Science & Technology Management		✔	✔	✔
CLL 011 Performance Based Life Cycle Product Support (PBL)	✔			
CLM 013 Work-Breakdown Structure	✔	✔	✔	✔
CLM 021 Introduction to Reducing Total Ownership Costs (R-TOC)	✔	✔	✔	
CLV 016 Introduction to Earned Value Management	✔			✔
EVM 101 Fundamentals of Earned Value Management	✔	✔	✔	
IRM 101 Basic Information Systems Acquisition	✔			✔
LOG 101 Acquisition Logistics Fundamentals	✔	✔		✔
LOG 102 Fundamentals of System Sustainment Management'	✔	✔		✔
PQM 101 Production, Quality, and Manufacturing Fundamentals	✔	✔		
TST 102 Fundamentals of Test and Evaluation	✔	✔	✔	✔

Education

None specified

Experience

One (1) year of technical experience (in addition to core certification experience)

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.