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West Region
San Diego, California
619-524-4814



Midwest Region
Kettering, Ohio
937-781-1025



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Huntsville, Alabama
256-922-8020



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California, Maryland
240-895-7344



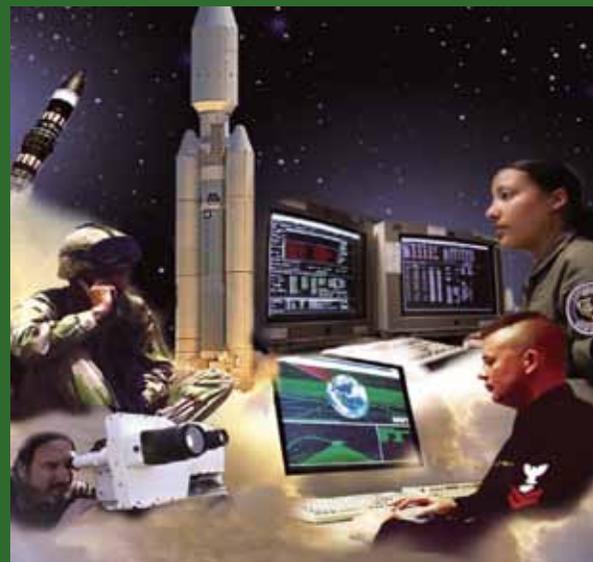
Capital and Northeast Region
Fort Belvoir, Virginia
703-805-2764



DSMC - Defense Systems Management College
Fort Belvoir, Virginia
703-805-2436



Systems Planning, Research, Development and Engineering (SPRDE) Systems Engineering Career Tracks



Systems Engineering for Mission Success!



EDUCATION: Undergraduate/graduate degree in technical or scientific field
(e.g. engineering, physics, chemistry, biology, mathematics, operations research, engineering management, computer science)

SPRDE Systems Engineering

LEVEL I CERTIFICATION

ACQ 101 (Self-paced, online)
Fundamentals of Systems Acquisition Management

SYS 101 (Self-paced, online)
Fundamentals of Systems Planning,
Research, Development and Engineering (SPRDE)
no electives

LEVEL II CERTIFICATION

ACQ 201 (Part A) (Self-paced, online)
Intermediate Systems Acquisition Management

ACQ 201 (Part B) (5 days classroom)
Intermediate Systems Acquisition Management

SYS 202 (Self-paced, online)
Intermediate SPRDE, Part 1

SYS 203 (5 days classroom)
Intermediate SPRDE, Part 2

CLE 003 (4-hour Continuous Learning Module)
Technical Reviews
Desired - one 100/200 level elective*

LEVEL III CERTIFICATION

SYS 302 (10 days classroom)
Technical Leadership in Systems Engineering

CLL 008 (3-hour Continuous Learning Module)
Designing for Supportability in DoD Systems
Desired - one 200/300 level elective*

* Select from the following **career field curricula:**
SPRDE/SE; SPRDE/S&TM; T&E; PQM; LCL; FE; IT; PM; BCEFM; Contracting

SPRDE Program Systems Engineer

LEVEL I CERTIFICATION

ACQ 101 (Self-paced, online)
Fundamentals of Systems Acquisition Management

SYS 101 (Self-paced, online)
Fundamentals of Systems Planning,
Research, Development and Engineering (SPRDE)
Required - two 100 level electives*

LEVEL II CERTIFICATION

ACQ 201 (Part A) (Self-paced, online)
Intermediate Systems Acquisition Management

ACQ 201 (Part B) (5 days classroom)
Intermediate Systems Acquisition Management

LOG 204 (Self-paced, online)
Configuration Management

SYS 202 (Self-paced, online)
Intermediate SPRDE, Part 1

SYS 203 (5 days classroom)
Intermediate SPRDE, Part 2

CLE 003 (4-hour Continuous Learning Module)
Technical Reviews
Required - one 100/200 level elective*

LEVEL III CERTIFICATION

SYS 302 (10 days classroom)
Technical Leadership in Systems Engineering

CLL 008 (3-hour Continuous Learning Module)
Designing for Supportability in DoD Systems
Required - two 200/300 level electives*

** EXPERIENCE: from the following career fields/paths - SPRDE/SE; SPRDE/S&TM; T&E; PQM; LCL; FE; IT; PM (in an acquisition position, gov't or industry)

PLAN YOUR TRAINING WITH CORE PLUS

Core Plus represents an enhanced career field certification and development framework that is best illustrated as three concentric circles.



The **inner ring**, Core Acquisition Certification, represents the broad range of competencies that are common across the Defense Acquisition Workforce.

The **middle ring**, Core Functional Certification, represents those specialized competencies that relate to an acquisition function (i.e., career field) such as contracting, program management, test and evaluation, or any one of the 12 acquisition career fields.

Finally, the **outer ring**, Core Plus, represents those acquisition or functional competencies that target tasks directly related to specific types of job assignments in a particular acquisition career field.

For each career field/path, the combination of the inner and middle rings for each level (I, II, and III) will represent the minimum career field certification standards associated with the position requirements.

ACQ 101

Fundamentals of Systems Acquisition Management

This course provides a broad overview of the DoD systems acquisition process, covering all phases of acquisition. ACQ 101 introduces the Joint Capabilities Integration and Development Systems (JCIDS); Planning, Programming, Budgeting and Execution (PPBE) process; DoD 5000 series policy documents; and current issues in systems acquisition management. Designed for individuals who have minimal experience in DoD acquisition management, ACQ 101 has proven very useful to personnel in headquarters, program management, and functional or support offices.

SYS 101

Fundamentals of Systems Planning, Research, Development and Engineering

This is a technically rigorous and comprehensive online course that provides an introduction to Systems Engineering. It is based around the eight technical management processes and the eight technical processes outlined in the Defense Acquisition Guidebook. This course is also suitable for personnel in technical management and program management positions who want to understand more about systems engineering and the details of its processes.

ACQ 201A

Intermediate Systems Acquisition, Part A

Intermediate Systems Acquisition, Part A, uses computer-based training to prepare midlevel acquisition professionals to work in integrated product teams by understanding systems acquisition principles and processes. Both ACQ 201A and ACQ 201B are required for DAWIA certification.

ACQ 201B

Intermediate Systems Acquisition, Part B

Intermediate Systems Acquisition, Part B, prepares midlevel acquisition professionals to work effectively in integrated product teams by understanding systems acquisition principles and processes. Both ACQ 201A and ACQ 201B are required for DAWIA certification.

LOG 204

Configuration Management

This fast-paced, cross-disciplinary course provides the knowledge necessary to apply configuration management (CM). It includes the interrelationship of CM to such life cycle activities as systems engineering, data management, logistics support planning, and weapon systems sustainment. LOG 204 provides an overview of the concepts and basic practices of CM, including configuration identification, status accounting, audits and verification, configuration change management, performance measures, and CM planning. Requirements for designing, developing, implementing, overseeing and operating a CM program across the system life cycle are discussed. In addition to identifying government and commercial CM best practices, the course also addresses the application and impacts on CM by such current and emerging issues as Total Life Cycle Systems Management, product data management, unique item identification, evolutionary acquisition, performance-based logistics, condition-based maintenance, prognostics and health management, and diminishing manufacturing sources and material shortages.

SYS 202

Intermediate Systems Planning, Research, Development and Engineering, Part I

This journeyman-level course provides an understanding of how the DoD systems engineering (SE) processes can be applied within the context of the activities illustrated on the DAU Integrated Defense AT&L Life Cycle Management Framework chart. Course content includes the scope and role of SE and its key technical inputs and outputs; the key aspects of technical baselines and the role of technical reviews; and important design considerations.

SYS 203

Intermediate Systems Planning, Research, Development and Engineering, Part II

The journeyman-level course requires students to apply the DoD Systems Engineering processes and techniques learned in SYS 101 and 202. Students will work in integrated product teams and apply systems engineering technical processes and technical management processes to a defense system across the various phases of Defense acquisition.

CLE 003

Technical Reviews

This continuous learning module presents essential practical guidelines for integrating several different technical reviews into the systems engineering process and DoD acquisition life cycle based on best engineering practices. 3 CLPs

SYS 302

Technical Leadership in Systems Engineering

Designed for senior DoD acquisition personnel, SYS 302 focuses on the application of technical leadership skills within a typical DoD systems engineering (SE) environment. SYS 302 participants are expected to have sufficient background knowledge of the DoD SE technical and technical management processes, knowledge of the application of SE to each acquisition phase, and the capability to apply these concepts to complex technical management problems involving critical thinking. As part of the SYS 302 course, students will lead and participate in an engineering team that analyzes and resolves a variety of technical engineering critical issues. Class exercises are supplemented by lessons on current policy, architecture, design considerations, etc.

CLL 008

Designing for Supportability in DoD Systems

This continuous learning module provides a comprehensive overview and introduction to incorporating the principles of systems engineering throughout the system life cycle to design, develop, produce, and sustain operationally reliable, supportable, and effective systems. 3 CLPs

Systems Engineering Community of Practice (SECoP)



The Systems Engineering Community of Practice is a collaborative resource for systems engineering professionals to share knowledge and effective business practices and to access learning assets.

For more information, visit:
<https://acc.dau.mil/se>



"No changes to the acquisition system itself can substitute for good sense, good discipline, alignment of what we buy with what our strategy requires and, above all, good people performing the acquisition function."

Ashton B. Carter
Under Secretary of Defense
for Acquisition, Technology & Logistics

Course Registration Websites and Contacts

Army

<https://www.atrrs.army.mil/channels/aitas>

Navy

<https://www.atrrs.army.mil/channels/navyedacm>

Air Force

<http://www.atrrs.army.mil/channels/acqnow>

Defense Industry

<https://atrrs.army.mil/channels/nondod>

Personnel with Federal Civilian Agencies

<http://www.atrrs.army.mil/channels/faitas>

International Students

<http://www.disam.dsca.mil/itm>

General Course Information

<https://icatalog.dau.mil>

Student Policies and Transcripts

<http://www.dau.mil/studentinfo>