



OFFICE OF THE ASSISTANT SECRETARY OF DEFENSE
3030 DEFENSE PENTAGON
WASHINGTON, DC 20301-3030

MISSION CAPABILITIES

MEMORANDUM FOR COMPONENT ACQUISITION EXECUTIVES
DIRECTORS, ACQUISITION CAREER/TALENT MANAGEMENT

SUBJECT: Recommended Continuous Learning Opportunities for the Test and Evaluation
Functional Area

Reference: (a) DoDI 5000.66, "Defense Acquisition Workforce Education, Training,
Experience, and Career Development Program," March 25, 2022
(b) DoD Defense Acquisition Workforce Program Desk Guide, August 30, 2022

Reference (a) established policy to create a professional, agile, and motivated military and civilian acquisition workforce and tasked Functional Area Leaders to "establish and publish" continuous learning (CL) activities, as needed, to ensure acquisition workforce (AWF) members remain current in their respective functional area. All defense AWF members are required to earn 80 continuous learning points (CLPs) every 2 years (reference b).

Workforce members should consult with their supervisor to choose CL activities best suited to the position and individual, ensuring completion of primary certification training requirements of their encumbered position within the allotted grace period. To view the current certification requirements, select the Test and Evaluation (T&E) Foundational and Practitioner Defense Acquisition Workforce Improvement Act (DAWIA) Certification and Development Guides at <https://icatalog.dau.edu/onlinecatalog/CareerLvl.aspx>. Attachment 1, T&E Functional/Interdisciplinary Development Guide, of this memorandum contains recommended DAU CL opportunities for the T&E functional area to assist the workforce in identifying meaningful developmental activities beyond mandatory certification.

In addition to developing in-house learning assets, DAU has partnered with three commercial training providers (i.e., Coursera, LinkedIn Learning, and Skillsoft Percipio) to offer defense AWF members access to thousands of courses on leading-edge topics. Attachment 2, Commercial Training, contains information on how to access these opportunities.

DoD Components (i.e., Military Departments, Defense Agencies, and Field Activities) also sponsor T&E and other functional area training courses and CL activities. Workforce members can register for these offerings through their command or field activity processes. Links to Component acquisition management systems can be found below, and more information may be found in individual Component CL memos.

- (1) Army Civilian and Military Personnel: <https://www.atrrs.army.mil/aitas/>
- (2) Department of the Navy Civilian and Military Personnel:
<https://www.atrrs.army.mil/Channels/navyedacm/>
- (3) Department of the Air Force Civilian and Military Personnel:
<https://acqnow.atrrs.army.mil/>

- (4) Civilian Personnel employed by Defense Agencies and Field Activities:
<https://www.atrrs.army.mil/datms>
- (5) Military Personnel assigned to Defense Agencies and Field Activities should consult the website for their Military Department

Defense AWF members may earn CLPs for participating in other learning activities that enable them to stay abreast of policy changes and initiatives in DoD and the defense industry. DAU publishes guidelines for creditable CL training, professional, experiential, and educational activities, along with point values, at <https://www.dau.edu/continuous-learning-center>. DoD also provides a guide to assist workforce members seeking to obtain an advanced technical degree: <https://www.cto.mil/wp-content/uploads/2023/06/Advanced-Tech-Degree-Guide-2020.pdf>.

Note that CLPs are awarded only for the year in which a workforce member completes an activity. For DAU courses, CLPs automatically flow to the workforce member's CLP tracking system upon completion; for other activities such as conference attendance, symposiums, workshops, and training completed outside of DAU (to include the commercial training referenced in Attachment 2), workforce members must manually request CLPs in their respective Component acquisition management system. Workforce members should follow Component procedures for obtaining and documenting CLPs.

Thomas W. Simms
Principal Deputy Executive Director
Systems Engineering and Architecture

Attachments:
As stated

cc:
Under Secretary of Defense for Research and Engineering (USD(R&E))
President, Defense Acquisition University (DAU)
Director, Human Capital Initiatives (HCI)

ATTACHMENT 1

Test and Evaluation Functional/Interdisciplinary Development Guide

A1.1 Test and Evaluation Functional/Interdisciplinary Development Course Guide

DAU has a substantial catalog of in-house training courses addressing a wide variety of acquisition-related topics in a DoD environment. The T&E workforce will find the most relevant subset of courses in the table that follows. These courses are accessible through DAU’s full course catalog at <https://icatalog.dau.edu/onlinecatalog/tabnavlas.aspx>.

| Course Designator | | | | | |
|-------------------|-------------------------------|------------|--|------------|---------------------------------|
| ACQ | Acquisition Management | CME | Contract Management – Engineering & Analysis | ISA | Information Systems Acquisition |
| BCE | Business Cost Estimating | LOG | | LOG | Logistics |
| BFM | Business Financial Management | CMQ | Contract Management – Quality | PMT | Program Management |
| CLB | Business | CON | Contracting | RQM | Requirements Management |
| CLC | Contract | CYB | Cybersecurity | STM | Science & Technology Management |
| CLE | Engineering & Technology | ENG | Engineering | SWE | Software Engineering |
| CLM | Acquisition & Management | EVM | Earned Value Management | TST | Test & Evaluation |
| CLV | Earned Value Management | GRT | Grants | | |

| Functional/Interdisciplinary Development Courses | | Delivery Mode ¹ | CLPs | Certification Category | |
|--|--|----------------------------|------|------------------------|--------------|
| | | | | Foundational | Practitioner |
| CLB 007 | Cost Analysis | OLT | 3 | ✓ | ✓ |
| CLC 011 | Contracting for the Rest of Us | OLT | 2 | | ✓ |
| CLC 043 | Defense Priorities and Allocations System | OLT | 3 | ✓ | ✓ |
| CLE 002 | Introduction to the T&E of Autonomous Systems | OLT | 4 | | ✓ |
| CLE 003 | Technical Reviews | OLT | 3 | ✓ | ✓ |
| CLE 004 | Introduction to Lean Enterprise Concepts | OLT | 2 | ✓ | |
| CLE 009 | System Safety in Systems Engineering | OLT | 3 | ✓ | ✓ |
| CLE 015 | Continuous Process Improvement Familiarization | OLT | 1 | | ✓ |
| CLE 017 | Technical Planning | OLT | 3 | ✓ | ✓ |
| CLE 023 | Modeling and Simulation in T&E | OLT | 3 | ✓ | ✓ |
| CLE 030 | Integrated Testing | OLT | 2 | ✓ | ✓ |
| CLE 035 | Introduction to Probability and Statistics | OLT | 5 | ✓ | ✓ |
| CLE 066 | Systems Engineering for Systems of Systems | OLT | 3 | | ✓ |

¹ Classroom (CLRM) | Online Training (OLT) | Virtual Instructor-Led Training (VILT)

² No CLPs are automatically awarded for third party-hosted (HOS) offerings or micro-learning assets under 1 hour in length; however, CLPs may be manually requested following Component procedures.

³ HOS offerings are accessed through the DAU Virtual Campus (<https://dau.csod.com/>).

⁴ New course; CLPs yet to be determined

| Functional/Interdisciplinary Development Courses | | Delivery Mode ¹ | CLPs | Certification Category | |
|--|---|----------------------------|-------------|------------------------|--------------|
| | | | | Foundational | Practitioner |
| CLE 074 | Cybersecurity Throughout DoD Acquisition | OLT | 4 | ✓ | ✓ |
| CLE 076 | Introduction to Agile Software Acquisition | OLT | 5 | | ✓ |
| CLE 077 | Defense Business Systems (DBS) Acquisition | OLT | 5 | | ✓ |
| CLE 079 | Chemical, Biological, Radiological, Nuclear (CBRN) Survivability | OLT | 4 | | ✓ |
| CLE 080 | SCRM for Information and Communications Technology (ICT) | OLT | 3 | | ✓ |
| CLE 085 | Scientific Test and Analysis Techniques in T&E | OLT | 4 | ✓ | ✓ |
| CLV 016 | Introduction to Earned Value Management | OLT | 1 | ✓ | ✓ |
| CME 103 | Manufacturing and Delivery Surveillance | OLT | 3 | ✓ | |
| CME 130 | Surveillance Implications of Manufacturing and Subcontractor Management | OLT | 8 | ✓ | |
| CMQ 100 | Quality Assurance Basics | OLT | 5 | ✓ | |
| CMQ 131 | Data Collection and Analysis | OLT | 7 | ✓ | |
| CMQ 220 | Root Cause Analysis | OLT | 6 | | ✓ |
| CYB 0030 | Introduction to Cyber Attack Kill Chain | OLT | 2 | ✓ | |
| CYB 5610 | Cybersecurity & Resiliency for Weapons, Control, and IT Systems | OLT | 4 | ✓ | |
| CYB 5630V | Cyber Table Top | VILT | 14 | ✓ | ✓ |
| CYB 5640 | Cyber Training Range | CLRM/ VILT | 20 | ✓ | |
| ENG 0810 | Software Assurance Awareness | OLT | 3 | | ✓ |
| ENG 0850 | Reliability and Maintainability (R&M) Engineering Management | OLT | 6 | ✓ | ✓ |
| ENG 0860 | Planning for R&M Engineering | OLT | 7 | ✓ | ✓ |
| ENG 0870 | Designing for R&M Engineering | OLT | 6 | ✓ | ✓ |
| ENG 0880 | Procurement for R&M Engineering | OLT | 5 | ✓ | ✓ |
| ENG 0890 | Program and Technical Reviews for R&M Engineering | OLT | 4 | ✓ | ✓ |
| ENG 0900 | R&M Engineering Interface with Product Support | OLT | 5 | ✓ | ✓ |
| ENG 1110 | Stakeholder Requirements | OLT | 3 | ✓ | ✓ |
| ENG 1400 | AI in Reliability & Maintainability | OLT | See note #4 | ✓ | |
| ENG 1410 | AI in System Safety Engineering I | OLT | See note #4 | ✓ | |
| ENG 5510 | Digital Engineering Using SysML | OLT | 10 | ✓ | ✓ |
| ETM 1010 | Leading Change Fundamentals | OLT | 2 | ✓ | |

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³ HOS offerings are accessed through the DAU Virtual Campus (<https://dau.csod.com/>).

⁴ New course; CLPs yet to be determined

| Functional/Interdisciplinary Development Courses | | Delivery Mode ¹ | CLPs | Certification Category | |
|--|---|----------------------------|-------------|------------------------|--------------|
| | | | | Foundational | Practitioner |
| ETM 1020 | Mission and Systems Thinking Fundamentals | OLT | 2 | ✓ | |
| ETM 1030 | Requirements Definition and Analysis Fundamentals | OLT | 1 | ✓ | |
| ETM 1040 | Technical Management Fundamentals | OLT | 5 | ✓ | |
| ETM 1050 | Design Considerations Fundamentals | OLT | 5 | ✓ | |
| ETM 1060 | Product Realization Fundamentals | OLT | 2 | ✓ | |
| ETM 1070 | Digital Literacy Fundamentals | OLT | 4 | ✓ | |
| ETM 1080 | Software Literacy Fundamentals | OLT | 5 | ✓ | |
| ETM 1090 | Technical Perspectives on Defense Contracting Fundamentals | OLT | 2 | ✓ | |
| ETM 2010V | Leading Change for Practitioners | VILT | 4 | | ✓ |
| ETM 2020V | Mission and Systems Thinking for Practitioners | VILT | 6 | | ✓ |
| ETM 2030V | Requirements Definition and Analysis for Practitioners | VILT | 7 | | ✓ |
| ETM 2040V | Technical Management for Practitioners | VILT | 18 | | ✓ |
| ETM 2050V | Design Considerations for Practitioners | VILT | 10 | | ✓ |
| ETM 2060 | Product Realization for Practitioners | OLT | 3 | | ✓ |
| ETM 2070V | Digital Literacy for Practitioners | VILT | 5 | | ✓ |
| ETM 2080V | Software Literacy for Practitioners | VILT | 9 | | ✓ |
| ETM 2090V | Technical Perspectives on Defense Contracting for Practitioners | VILT | 7 | | ✓ |
| ETM 3110 | IT Foundations | OLT | 3 | ✓ | ✓ |
| ETM 3120 | Best Practices in Software and Cybersecurity | OLT | 1 | ✓ | ✓ |
| ETM 3130 | Introduction to Digital Acquisition | OLT | 1 | ✓ | ✓ |
| ETM 3140 | Introduction to Machine Learning and AI | OLT | 2 | ✓ | ✓ |
| ETM 3150 | Introduction to Emerging Technology | OLT | 2 | ✓ | ✓ |
| HOS 0020³ | Agile: Testing Approaches | OLT | See note #2 | ✓ | ✓ |
| HOS 0022³ | Set up a Continuous Integration (CI) workflow in CircleCI | OLT | See note #2 | ✓ | ✓ |
| HOS 0023³ | Jenkins: Automating your delivery pipeline | OLT | See note #2 | ✓ | ✓ |
| HOS 0024³ | Build local development environments using Docker containers | OLT | See note #2 | ✓ | ✓ |
| HOS 0025³ | Selenium Test Execution on Docker Containers | OLT | See note #2 | ✓ | ✓ |
| HOS 0026³ | Test Driven Development in Java for Beginners | OLT | See note #2 | ✓ | ✓ |
| HOS 0027³ | Manage your versions with Git I | OLT | See note #2 | ✓ | ✓ |
| HOS 0028³ | Manage your versions with Git II | OLT | See note #2 | ✓ | ✓ |

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³ HOS offerings are accessed through the DAU Virtual Campus (<https://dau.csod.com/>).

⁴ New course; CLPs yet to be determined

| Functional/Interdisciplinary Development Courses | | Delivery Mode ¹ | CLPs | Certification Category | |
|--|--|----------------------------|-------------|------------------------|--------------|
| | | | | Foundational | Practitioner |
| HOS 0029 ³ | Building Test Automation Framework using Selenium and TestNG | OLT | See note #2 | ✓ | ✓ |
| HOS 0030 ³ | Create your First Automate Script using Selenium and Java | OLT | See note #2 | ✓ | ✓ |
| HOS 0031 ³ | Web Application Security Training with OWASP ZAP | OLT | See note #2 | ✓ | ✓ |
| HOS 0036 ³ | AI for Everyone | OLT | See note #2 | | ✓ |
| HOS 0041 ³ | Manage Agile Workflows with Product Roadmaps in Miro | OLT | See note #2 | ✓ | ✓ |
| HOS 0048 ³ | Agile Projects Developing Tasks with Taiga | OLT | See note #2 | ✓ | ✓ |
| HOS 0049 ³ | Monitoring & Telemetry for Production Systems by creating Dashboards using Prometheus & Grafana - Part I | OLT | See note #2 | ✓ | ✓ |
| HOS 0054 ³ | Use Python Unit Test to Demonstrate IDD | OLD | See note #2 | ✓ | ✓ |
| ISA 1011 | Basic Information Systems Acquisition | OLT | 15 | ✓ | |
| LOG 0120 | Supportability Analysis Fundamentals | OLT | 5 | | ✓ |
| LOG 1000 | Life Cycle Logistics Fundamentals | OLT | 8 | ✓ | ✓ |
| LOG 104 | Reliability, Availability, and Maintainability (RAM) | OLT | 8 | ✓ | ✓ |
| PMT 0130 | Work-Breakdown Structure | OLT | 2 | ✓ | ✓ |
| PMT 0170 | Risk Management | OLT | 8 | ✓ | ✓ |
| SPS 106 | Database Maintenance | OLT | 4 | | ✓ |
| STM 0020 | Fundamentals of Science and Technology Protection | OLT | 5 | ✓ | |
| SWE 0001 | Planning for Spikes | OLT | See note #2 | | ✓ |
| SWE 0002 | Software Modernization Elements | OLT | 1 | | ✓ |
| SWE 0004 | Container Orchestration Tools | OLT | See note #2 | | ✓ |
| SWE 0005 | Software Modernization Operational Advantages | OLT | See note #2 | | ✓ |
| SWE 0006 | Software Modernization Strategies | OLT | See note #2 | | ✓ |
| SWE 0007 | Introduction to Modern Software Reuse | OLT | See note #2 | | ✓ |
| SWE 0009 | Contracting for Agile Development | OLT | See note #2 | | ✓ |
| SWE 0010 | Agile DevSecOps Team Roles and Responsibilities | OLT | See note #2 | | ✓ |
| SWE 0012 | Microservice Architecture for DevSecOps | OLT | See note #2 | | ✓ |
| SWE 0013 | Agile Organizational Optimization | OLT | See note #2 | | ✓ |
| SWE 0014 | User Story Construction | OLT | See note #2 | | ✓ |

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⁴ New course; CLPs yet to be determined

| Functional/Interdisciplinary Development Courses | | Delivery Mode ¹ | CLPs | Certification Category | |
|--|--|----------------------------|-------------|------------------------|--------------|
| | | | | Foundational | Practitioner |
| SWE 0016 | Capability Needs Statement | OLT | See note #2 | | ✓ |
| SWE 0017 | Value Assessment (5000.87) | OLT | See note #2 | | ✓ |
| SWE 0018 | DoD Modeling & Simulation | OLT | See note #2 | | ✓ |
| SWE 0019 | Agile Backlog Refinement | OLT | See note #2 | | ✓ |
| SWE 0020 | Test Driven Development (TDD) | OLT | See note #2 | | ✓ |
| SWE 0021 | Behavior Driven Development (BDD) | OLT | See note #2 | | ✓ |
| SWE 0024 | Sustainable Pace | OLT | See note #2 | | ✓ |
| SWE 0025 | Iteration and Release Retrospective | OLT | See note #2 | | ✓ |
| SWE 0026 | DevSecOps | OLT | See note #2 | | ✓ |
| SWE 0027 | Principles of DevSecOps | OLT | See note #2 | | ✓ |
| SWE 0028 | Software Technical Currency | OLT | See note #2 | | ✓ |
| SWE 0029 | Continuous Delivery/Deployment (CD) | OLT | See note #2 | | ✓ |
| SWE 0032 | Product Roadmap | OLT | 1 | | ✓ |
| SWE 0033 | Software Architecture Patterns | OLT | 1 | | ✓ |
| SWE 0034 | Software Acquisition Pathway (SWP) | OLT | 1 | | ✓ |
| SWE 0039 | Mission Systems T&E | OLT | See note #2 | | ✓ |
| SWE 0040 | Modeling and Simulation | OLT | See note #2 | | ✓ |
| SWE 0041 | Software Acquisition Pathway (SWP) Origins | OLT | 1 | | ✓ |
| SWE 0042 | Tempo and Stability | OLT | See note #2 | | ✓ |
| SWE 0044 | Value Metrics | OLT | See note #2 | | ✓ |
| SWE 0045 | Metric Interpretation | OLT | 1 | | ✓ |
| SWE 0046 | DoD Modern Software Reuse | OLT | See note #2 | | ✓ |
| SWE 0048 | Program Test & Evaluation Strategy (TES) | OLT | See note #2 | | ✓ |
| SWE 0049 | What is Open-Source Software (OSS) | OLT | See note #2 | | ✓ |
| SWE 0050 | Build a Product Vision | OLT | See note #2 | | ✓ |
| SWE 0051 | Developing Software Product Lines | OLT | See note #2 | | ✓ |
| SWE 0052 | Build a Release Plan | OLT | See note #2 | | ✓ |
| SWE 0053 | User Agreement | OLT | 1 | | ✓ |
| SWE 0054 | Software Initial Capability Document | OLT | See note #2 | | ✓ |
| SWE 0055 | Kanban Board | OLT | See note #2 | | ✓ |
| SWE 0056 | What is Artificial Intelligence | OLT | 2 | | ✓ |
| SWE 0057 | What is Machine Learning | OLT | 1 | | ✓ |
| SWE 0058 | Overview of AI in the DoD | OLT | 1 | | ✓ |
| SWE 0062 | Architecture Approaches for Agile Programs | OLT | 1 | | ✓ |

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⁴ New course; CLPs yet to be determined

| Functional/Interdisciplinary Development Courses | | Delivery Mode ¹ | CLPs | Certification Category | |
|--|--|----------------------------|-------------|------------------------|--------------|
| | | | | Foundational | Practitioner |
| SWE 0063 | Software Factory | OLT | See note #2 | | ✓ |
| SWE 0064 | DoD Software Factory Strategy | OLT | See note #2 | | ✓ |
| SWE 0070 | Flow Metrics | OLT | See note #2 | | ✓ |
| SWE 0072 | Continuous Integration (CI) | OLT | See note #2 | | ✓ |
| SWE 0074 | Strangler Pattern | OLT | See note #2 | | ✓ |
| SWE 0075 | Successful Software Transformation Example | OLT | See note #2 | | ✓ |
| SWE 0077 | Software Build Automation Tools | OLT | See note #2 | | ✓ |
| SWE 0078 | Software Test Tools | OLT | See note #2 | | ✓ |
| SWE 0079 | Software Security Test Tools | OLT | 1 | | ✓ |
| SWE 0084 | Software Operations Tools | OLT | See note #2 | | ✓ |
| SWE 0085 | Software Configuration Management (SCM) Tool Selection | OLT | See note #2 | | ✓ |
| SWE 0089 | What is Scrum | OLT | See note #2 | | ✓ |
| SWE 0093 | Software Configuration Management 101 | OLT | See note #2 | | ✓ |
| SWE 0096 | Cloud and DevSecOps Guidance | OLT | 1 | | ✓ |
| SWE 0097 | What is Speed of Relevance (SoR) for the DoD | OLT | See note #2 | | ✓ |
| SWE 0098 | Benefits of Agile for DoD Acquisition | OLT | 1 | | ✓ |
| SWE 0099 | Setting up an Agile Project | OLT | 1 | | ✓ |
| SWE 0100 | Relative Effort Estimation for Agile Projects | OLT | 1 | | ✓ |
| SWE 0101 | Software Version Control | OLT | See note #2 | | ✓ |
| SWE 0102 | Introduction to Cloud Services | OLT | 1 | | ✓ |
| SWE 0103 | What is a Service Mesh | OLT | See note #2 | | ✓ |
| SWE 0104 | Software Configuration Management Release | OLT | See note #2 | | ✓ |
| SWE 2002 | What is a Software Development Plan (SDP) | OLT | See note #2 | | ✓ |
| SWE 2003 | Scaled Agile | OLT | See note #2 | | ✓ |
| SWE 2006 | What is eXtreme Programming (XP) | OLT | See note #2 | | ✓ |
| SWE 2014 | Configuration as Code (CaC) | OLT | See note #2 | | ✓ |
| SWE 2015 | Security as Code (SaC) | OLT | See note #2 | | ✓ |
| SWE 2016 | Infrastructure as Code (IaC) | OLT | See note #2 | | ✓ |
| SWE 2017 | Secure Coding | OLT | 1 | | ✓ |
| SWE 2025 | Value Stream Mapping | OLT | See note #2 | | ✓ |
| SWE 2030 | What is Agile | OLT | See note #2 | | ✓ |
| SWE 2031 | What Agile Means for the Defense Acquisition Workforce | OLT | See note #2 | | ✓ |
| SWE 2040 | Application of Agile | OLT | See note #2 | | ✓ |

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⁴ New course; CLPs yet to be determined

| Functional/Interdisciplinary Development Courses | | Delivery Mode ¹ | CLPs | Certification Category | |
|--|--|----------------------------|-------------|------------------------|--------------|
| | | | | Foundational | Practitioner |
| SWE 2046 | What is a Container | OLT | 1 | | ✓ |
| SWE 2047 | DevSecOps Terminology | OLT | See note #2 | | ✓ |
| SWE 2048 | GitOps | OLT | See note #2 | | ✓ |
| SWE 2049 | Program-Level Data Strategies | OLT | See note #2 | | ✓ |
| SWE 2050 | Intellectual Property (IP) and Data Rights | OLT | 1 | | ✓ |
| SWE 2060 | What is a Microservice | OLT | See note #2 | | ✓ |

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⁴ New course; CLPs yet to be determined

A1.2 Test and Evaluation Functional/Interdisciplinary Development Workshops Guide

Additionally, DAU offers a diverse spectrum of structured open enrollment workshops on a rotating basis each month. The full catalog of workshops available for individual enrollment is available at https://icatalog.dau.edu/onlinecatalog/targeted_training.aspx.

| Workshop Designator | | | |
|---------------------------------|-------------------------------------|-------------------------------------|--|
| WSA Software Acquisition | WSE Engineering & Technology | WSM Acquisition & Management | |
| WSC Contracting | WSL Logistics | WSS Cybersecurity | |

| Functional/Interdisciplinary Development Workshops | Delivery Mode | CLPs | Certification Category | |
|---|---------------|------|------------------------|--------------|
| | | | Foundational | Practitioner |
| WSA 001 DevSecOps for the DoD: Fundamentals | Workshop | 21 | | ✓ |
| WSA 002 DevSecOps for the DoD: Security Focus | Workshop | 14 | | ✓ |
| WSA 004 Cloud Services | Workshop | 21 | | ✓ |
| WSA 010 Agile Product Owner | Workshop | 4 | | ✓ |
| WSC 005 Source Selection | Workshop | 14 | | ✓ |
| WSC 015 Negotiation Training for the Acquisition Workforce | Workshop | 14 | | ✓ |
| WSE 005 Systems Engineering Planning | Workshop | 5 | | ✓ |
| WSE 027 MOSA Awareness and Planning | Workshop | 2 | | ✓ |
| WSE 030 SysML Immersion, Part I | Workshop | 16 | | ✓ |
| WSE 031 SysML Immersion, Part II | Workshop | 16 | | ✓ |
| WSL 001 Performance-Based Logistics | Workshop | 15 | | ✓ |
| WSM 002 Risk Management | Workshop | 7 | | ✓ |
| WSM 025 Defense Business System | Workshop | 24 | | ✓ |
| WSM 027 Multi-Functional Acquisition Challenge | Workshop | 24 | | ✓ |
| WSS 005 Program Protection | Workshop | 8 | | ✓ |
| WSS 011 Cyber Training Range – Intermediate | Workshop | 16 | | ✓ |
| WSS 012 Defensive Cyber Operations | Workshop | 24 | | ✓ |
| WSS 013 Advanced Cyber Training Range – Aviation Systems | Workshop | 21 | | ✓ |

A1.3 Test and Evaluation Functional Development Credential Guide

Defense acquisition credentials are an important CL resource for job-specific training. Credentials are not mandatory but provide workforce members a means to gain new skills and keep existing ones fresh throughout their career. The table below contains T&E credentials in development. Section A1.4 includes a list of interdisciplinary credentials recommended for the T&E workforce. The full catalog of available credentials is accessible at https://icatalog.dau.edu/onlinecatalog/tabnav_credentials.aspx.

| Functional Development Credentials | | |
|------------------------------------|--|----------------------|
| Credential | | Estimated Deployment |
| CTST 001 | Applying Scientific Test & Analysis Techniques | FY 2025 |
| CTST 002 | Cyber T&E Fundamentals | FY 2025 |
| CTST 003 | Cyber T&E Intermediate | TBD |
| CTST 004 | Evaluation Frameworks & Identifying Integrated Testing Opportunities | TBD |
| CTST 005 | T&E of Artificial Intelligence | FY 2025 |
| CTST 006 | T&E and Tracking Reliability | FY 2025 |
| CTST 007 | T&E of Software | TBD |
| CTST 008 | Evaluating Data | TBD |
| CTST 009 | T&E Strategy Development and Planning | TBD |
| CTST 014 | Test Event Planning & Execution | TBD |

A1.4 Test and Evaluation Interdisciplinary Development Credential Guide

The table below contains available interdisciplinary credentials that are relevant to the T&E workforce. The full catalog of available credentials is accessible at https://icatalog.dau.edu/onlinecatalog/tabnav_credentials.aspx.

| Owning Functional Area/Organization | | | |
|-------------------------------------|------------------------------------|-------------|------------------------------------|
| CACQ | Program Management | CCYB | Engineering & Technical Management |
| CALD | Defense Systems Management College | CENG | Engineering & Technical Management |
| CCON | Contracting | CLCL | Life Cycle Logistics |

| Interdisciplinary Development Credentials | | | |
|---|--|------|----------------|
| Credential | | CLPs | Date Deployed |
| CACQ 001 | Services Acquisition Team Member: Non-Acquisition | 41 | October 2019 |
| CACQ 002 | Services Acquisition Team Member: Acq. Professional Team Members | 48 | October 2019 |
| CACQ 004 | Introduction to Risk, Issue, and Opportunity Management | 6 | September 2020 |
| CACQ 005 | Foundational Earned Value Management | 3 | July 2022 |
| CACQ 008 | Foundational Intellectual Property | 23 | September 2020 |
| CACQ 010 | Foundational Acquisition Intelligence | 39 | July 2022 |
| CACQ 011 | Foundational Software Acquisition Management | 31 | December 2022 |
| CACQ 013 | Functional Services Manager | 46 | June 2022 |
| CALD 001 | Resilience | 18 | April 2022 |
| CCON 016 | Excel Skills for Data Analysis & Visualization | 55 | May 2022 |
| CCON 017 | Pricing Tools and Techniques | 40 | August 2022 |
| CCON 019 | Negotiations | 30 | July 2024 |
| CCYB 001 | Program Protection | 34 | April 2020 |
| CCYB 003 | Fundamentals of Secure Cyber Resilient Engineering | 18 | September 2024 |
| CENG 001 | Digital Engineering for DoD Consumers | 29 | October 2019 |
| CENG 002A | Data Analytics for DoD Acquisition Managers | 30 | August 2020 |
| CENG 004 | Agile DoD Team Member | 21 | October 2019 |
| CLCL 001 | Product Support Management Fundamentals | 35 | July 2021 |
| CLCL 002A | Integrated Product Support | 34 | February 2023 |
| CLCL 003A | Supply Chain Integration | 35 | November 2022 |
| CLCL 005 | Supportability & Design Interface | 37 | July 2021 |
| CLCL 008 | Product Support Arrangements | 43 | August 2022 |
| CLCL 009 | Information Technology Life Cycle Support | 40 | March 2021 |
| CLCL 010 | Technical Data Management | 41 | February 2022 |
| CLCL 013 | Packaging, Handling, Storage & Transportation | 28 | November 2022 |
| CLCL 014A | Parts & Material Life Cycle Management | 43 | January 2023 |
| CLCL 015 | Product Support Infrastructure | 19 | September 2022 |
| CLCL 016 | Digital Product Support | 25 | February 2024 |
| CLCL 018 | Product Support Data Requirements | 50 | June 2024 |

ATTACHMENT 2

Commercial Training

DAU has contracted with three commercial training providers (i.e., Coursera, LinkedIn Learning, and Skillsoft Percipio) to offer defense acquisition workforce members (i.e., military and civilian) access to thousands of courses on leading edge topics. Individual courses can be taken at any time and this access comes at no cost to the students or their organizations. Completions are documented in a student's DAU transcript.

Coursera offers individual courses, topical specializations, and professional credentials from top colleges and corporations. LinkedIn Learning and Skillsoft Percipio grant access to over 40,000 learning assets in a variety of formats, lengths, and topics. Examples of offerings are listed in the table below.

| Course/Program | Provider |
|--|-------------------------------------|
| Cloud Computing Foundations | Coursera – Duke University |
| Introduction to Containers w/ Docker, Kubernetes & OpenShift | Coursera – IBM |
| Continuous Delivery and DevOps | Coursera – University of Virginia |
| Engineering Project Management | Coursera – Rice University |
| Executive Data Science | Coursera – Johns Hopkins University |
| Applied Data Science with Python | Coursera – University of Michigan |
| Developing a Critical Thinking Mindset | LinkedIn Learning |
| Building Your Team | LinkedIn Learning |
| UX DesignOps: Overview | LinkedIn Learning |
| Software Design: Human-centered Software Design | Skillsoft Percipio |
| Artificial Intelligence: Introduction to Artificial Intelligence | Skillsoft Percipio |
| Leading Innovation | Skillsoft Percipio |

These commercial offerings are accessed through the DAU Virtual Campus (<https://dau.csod.com/>), which requires an account and login, by using filters or the search function.