



SYSTEMS ENGINEERING & ARCHITECTURE

TECHNICAL WORKFORCE HIGHLIGHT:

AUGUST 2025

ENGINEERING (NON-CONSTRUCTION) AND QUALITY ASSURANCE FUNCTIONAL COMMUNITIES

**ENG(NC)
& QA**

A DoD functional community (FC) is a group of one or more civilian occupational series or specialties with common functions, competencies, and career paths. SE&A collaborates with workforce leaders across the Department of Defense (DoD) to advocate for the Engineering (Non-Construction) (ENG(NC)) and Quality Assurance (QA) FCs, a combined workforce of approximately 93,000. The series making up the ENG(NC) FC consists of 0800 Engineering and Architecture series not related to construction and facilities management while the QA FC consists of the 1900 QA-related series.

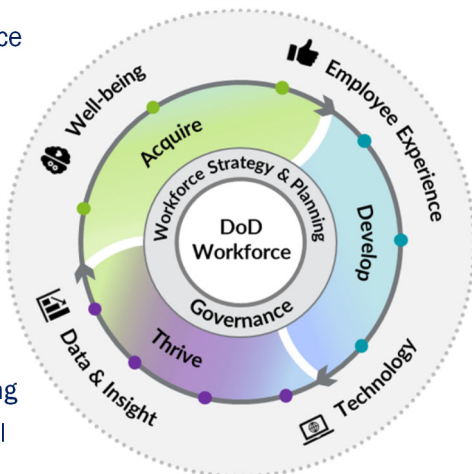
❖ OSD FUNCTIONAL COMMUNITY MANAGER

As the OSD Functional Community Manager (OFCM) for ENG(NC) and QA, SE&A collaborates across the Department to develop and implement functional people strategies to deliver the right talent with the right skills at the right place and time.

- Revive the Warrior Ethos**
Unity and Our Shared Purpose
- Rebuild Our Military**
Strongest and Most Lethal Force in the World
- Reestablish Deterrence**
Stand by Our Allies - and Our Enemies are on Notice

OFCMs serve their workforce communities by:

- Analyzing mission requirements
- Coordinating and leveraging best practices
- Aligning with global force management and planning, programming, and budgeting and execution process planning
- Influencing demand signal



❖ TALENT ACQUISITION

The DoD is focused on attracting the right talent through talent acquisition programs that support growing talent within the Department.

Veteran's Employment Options are available to transitioning active duty Service members and their families to continue supporting the DoD in the civilian workforce. The DoD values the service and sacrifices by Service members. For more information, contact <https://www.dodciviliancareers.com/civiliancareers/veterans>.

The DoD has several **Direct Hiring Authorities (DHAs)** to expedite the hiring process. DHAs allow DoD Components to non-competitively appoint qualified candidates to competitive service positions in the Department. For more information, visit <https://www.dau.edu/hci/policy>.

Registered Apprenticeships are a proven workforce development solution that help U.S. federal government agencies recruit and develop well-trained workers in high-demand occupations. Learn more by visiting <https://www.apprenticeship.gov>.

Scholarship for Service Programs provide tuition in exchange for DoD service. Programs DoD participates in include STEM SMART Scholar, Defense Civilian Training Corps, DoD Cyber Service Academy, and CyberCorps®.

SMART

SCIENCE, MATHEMATICS,
AND RESEARCH FOR
TRANSFORMATION

PART OF THE NATIONAL
DEFENSE EDUCATION PROGRAM

STEM SMART Scholar

[https://
www.smartscholarship.org/smart](https://www.smartscholarship.org/smart)



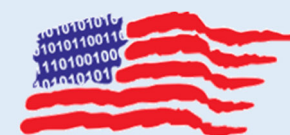
Defense Civilian
Training Corps

<https://dctc.mil/index.html>



DoD Cyber Service Academy

[https://
www.dodemergingtech.com/
cyber-scholarship-program-cysp](https://www.dodemergingtech.com/cyber-scholarship-program-cysp)



CyberCorps®
Defending America's Cyberspace

CyberCorps®

<https://sfs.opm.gov/>



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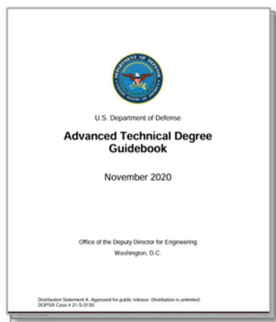
TECHNICAL WORKFORCE HIGHLIGHT:

ENGINEERING (NON-CONSTRUCTION) AND QUALITY ASSURANCE FUNCTIONAL COMMUNITIES cont'd

❖ TALENT DEVELOPMENT

Once the right people are in place, it is imperative to continue building and improving their skill sets. The Department is using multiple avenues to grow their talent.

Work Roles, including the recently expanded software engineering work roles, enhance training and professional development, increase role progression, and develop valuable workforce tools. The DoD Cyber Workforce Framework establishes the DoD's authoritative lexicon based on the work an individual is performing, not their position titles, occupational series, or designator. More information can be found at <https://public.cyber.mil/wid/dcwf/workforce-elements/>.



OUSD(R&E) published the **DoD Advanced Technical Degree Guidebook** in November 2020 to assist DoD civilian engineers and other science, technology, engineering, and mathematics (STEM) personnel in attaining technical master's degrees, graduate certificates, and PhDs. To view the guidebook, please visit <https://www.cto.mil/wp-content/uploads/2023/06/Advanced-Tech-Degree-Guide-2020.pdf>.

The **Federal Rotational Cyber Workforce Program (FRCWP)** offers more than 70 cyber-focused rotational assignments to the cyber community. Cyber-coded government civilians can apply for 6 to 12-month interagency cyber rotations across the government. Learn more at <https://www.opm.gov/policy-data-oversight/human-capital-management/cybersecurity/federal-rotational-cyber-workforce-program/>.

Public-Private Talent Experience (PPTe) is a unique program that allows employees from industry and DoD to learn more about their respective positions, experiences, and opportunities. It leads to more cooperation and understanding of business operations and best practices. PPTes provide ample opportunities for participants to engage with industry-leading organizations and DoD agencies. For more information, visit <https://www.hci.mil/ppte.html>.

❖ LEARNING & TRAINING

The Department offers many paths for the workforce to build and improve their knowledge and skills.

DAU Defense Acquisition University (DAU) is developing credentials that provide job-specific, specialty, and point-of-need training. Credentials are transferable across Components and allow the workforce to customize knowledge throughout their careers. More information on relevant offerings can be found in the ETM and T&E info sheets: <https://www.cto.mil/sea/info-sheets/>.

Digital University, a joint venture available to members of the DoD, provides anytime access to Silicon Valley-accredited technology training and fosters a community of learners for tomorrow's warfighter. Find out more here: <https://digitalu.af.mil/>.



❖ TALENT RECOGNITION

Recognizing the talent of those in the Department's communities is necessary for morale and continued success.



The **Defense Acquisition Workforce Awards** recognize individual and team accomplishments annually. The work being done is critical to building enduring advantages to support the modernization of the DoD. Winners may be eligible for a \$5,000 award. For more information, visit <https://www.hci.mil/what-we-do/Awards.html>.

The **Defense Standardization Program (DSP) Annual Achievement Awards** honor DoD individuals and organizations who have achieved significant improvements in interoperability, safety, cost reduction, quality, reliability, and readiness through standardization. For information, visit <https://www.dsp.dla.mil/Programs/Achievement-Awards/>.

The **DoD STEM Innovator Awards Program** offers awards to individuals and teams within the DoD civilian workforce in the fields of research and development, technology transfer and transition, and STEM advocacy. For more information, visit <https://dodstem.us/meet/innovators>.

SE&A Website: [www.https://www.cto.mil/sea](https://www.cto.mil/sea)



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