DEPARTMENT OF DEFENSE SCIENCE, TECHNOLOGY, ENGINEERING, MATHEMATICS DOD STEEVE





DoD STEM Vision

Adiverse and sustainable STEM talent pool ready to serve our Nation and extend the DoD's competitive edge

DoD STEM Mission

Inspire, cultivate, and develop exceptional STEM talent through a continuum of opportunities to enrich our current and future DoD workforce poised to tackle evolving defense technological challenges.



What encompasses DoD STEM?

DoD STEM is inclusive of Departmentvide efforts that aim to inspire, cultivate, and develop a diverse and exceptional STEM talent through a continuum of meaningful STEM learning opportunities across the Pre-K-Postdoc continuum.

The National Defense Education Program (NDEP) is one of the largest STEM efforts in the Department.

DoD STEM reaches about 944K students & 31K educators annually









Who Engages with DoD STEM

The Department of Defense has long supported STEMeducation and outreach activities throughout the nation.



National DefenseEducation Program (NDEP)

NDEP is part of the broader Department-wide effort under DoD STEM, which works collectively with partners from academia, industry, not-for-profit organizations, and leverages DoD components, defense laboratory enterprise and other government entities to:



Build strong foundations in STEM literacy



Increase diversity, equity, and inclusion in STEM



Prepare the STEM workforce of the future







SMART Program Overview

- SMART funds scholarships across 24 STEM disciplines critical to national security and serves as a workforce development program for the DoD
 - Increases the flow of new, highly skilled technical labor into the DoD
 - Enhances the technical skills of the current civilian workforce
- Awards can be made to students pursuing a BS, MS, or PhD in a STEM discipline
- Scholars serve a 1-for-1 Civilian employment commitment at a DoD lab or facility upon graduation

Participate in DoD STEM



dodstem.us/ participate/ opportunities





NDSEG overview

Established in 1989 by the direction of Congress, under the direction of Office of Secretary of Defense (OSD), the Air Force Research Laboratory (AFRL)/United States Space Force (USSF), Army Research Office (ARO), and Office of Naval Research (ONR) award three-year fellowships to US citizens receiving doctorates in research discipline areas of DoD relevance at US institutions.

• NDSEG Program:

- Maintains U.S. leadership in S&T relevant to the DoD
- Builds the DoD and DIB S&E future pipeline
- Champions grad student ideas in "high risk, high reward" research
- Develops & sustains partnerships with top US scientific labs

• Three-Year Fellowship provides:

- Full tuition/fees, \$3,600 monthly stipends, up to \$1,600 health insurance
- \$5,000 professional development travel and up to \$1,500 non travel budgets
- NDSEG Fellows conference
- DoD mentor to familiarize fellows with DoD S&T ecosystem
- No service commitment required

Over 4,700 fellowships have been awarded from over 70,000 applications







 $\textbf{Science} \cdot \textbf{Technology} \cdot \textbf{Engineering} \cdot \textbf{Mathematics}$

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