Program Overview

MIT/LL Beaver Works 2021 Student Cohort

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DoD STEM is inclusive of Department-wide efforts that address near- to mid-term (postsecondary) STEM workforce needs, and long-term (K-16 education & outreach) STEM talent development through a variety of educational and work-experiential opportunities across the K-Postdoc continuum.
Continuum of Programs Offered Through DoD STEM

800,000 to 1,200,000 Students participate in DoD programs on an annual basis

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Naval Horizons introduces students to cutting-edge STEM topics that impact the U.S. Navy & Marine Corps, including: autonomy, oceanography, cybersecurity, undersea medicine, and more.

This contest challenges students to picture themselves in a STEM career by designing the U.S. Navy & Marine Corps of the future. Students will learn about Naval STEM challenges + scientists + engineers through this video series. Then, students will write an essay (500 – 1,500 words) explaining how our research and our people inspire them.

Up to 5,000 winners will be selected – all winners will receive a prize!

Submissions are due by 11:59pm ET on July 30, 2021.

For more information, visit https://navalhorizons.us/
Preparing the STEM Workforce of the Future

- DoD Science Mathematics and Research Transformation (SMART)
- National Defense Science & Engineering Grant Fellowship (NDSEG)
- Science & Engineering Apprenticeship program (SEAP - Army & Navy)
- AEOP Fellowships & Apprenticeships
- Naval Research Enterprise Internship Program (NREIP)
- Air Force Research Laboratory Scholars Program
- DoD Information Assurance Scholarship Program
- Air Force PALACE Acquire Program
- Air Force Premier College Intern Program (PCIP)
- High School & Undergraduate Research Apprenticeship Programs (HSAP & URAP)
- National Security Agency Computer Science Intern Program (CSIP)
- Manufacturing Engineering Education Program (MEEP)
- NDEP Barry Goldwater Scholarship Program

Workforce development through work experiential programs (WEPs).
- Scholarships
- Apprenticeships
- Internships
- Fellowships

- High school to Post-doc
- Benefits include:
  - Educational stipends
  - Mentorship
  - Work experience training
  - Security clearance
  - Networking
  - Gateway to a JOB

- Annually DoD has ~2,000+ student interns across the defense laboratory enterprise and academic partners
What is SMART?

SMART Scholarship-for-Service Program provides a combined education/career opportunity to STEM students that will enhance the DoD civilian workforce.

SMART Scholars Receive:

- Full Tuition towards a BS, MS, or PhD in a STEM Discipline
- Book and Health Allowance
- Summer Internships
- Annual Stipend
- Experienced DoD Mentor
- Guaranteed Employment at a Sponsoring DoD Lab/Facility Upon Graduation

www.smartscholarship.org
SMART Scholarship Program

SMART enhances the Department’s workforce with innovative scientists, engineers, and researchers across the United States.

- **3,367** Scholarships awarded since 2006
- **91%** success rate of service commitment completion
- **190** DoD sponsoring laboratories & agencies across 40 states
- **411** Universities represented by SMART scholars
- **21** STEM Disciplines

What do SMART Scholars Receive?

- Full Tuition
- Annual stipend between $25,000-$38,000 per year, depending on degree level
- Summer Internships
- Book Allowance & Health Insurance
- Experienced mentor
- Guaranteed employment at a DoD facility upon degree completion

Jennifer Aneke, SMART Scholar

I’ve been able to apply my technical expertise to a variety of areas that aid the Navy’s Mission.

The SMART Scholarship opened up many doors for professional growth and the ability to better serve our country.

smartscholarship.org
Inspiring the future

Science, Technology, Engineering and Mathematics, or STEM, is the gateway to a world of wonder. U.S. Department of Defense (DoD) STEM professionals work at the leading edge of our nation’s most advanced technological breakthroughs. STEM is our future.

Meet DoD STEM