

MARCH 2021

Empowering Future  
DoD Leaders

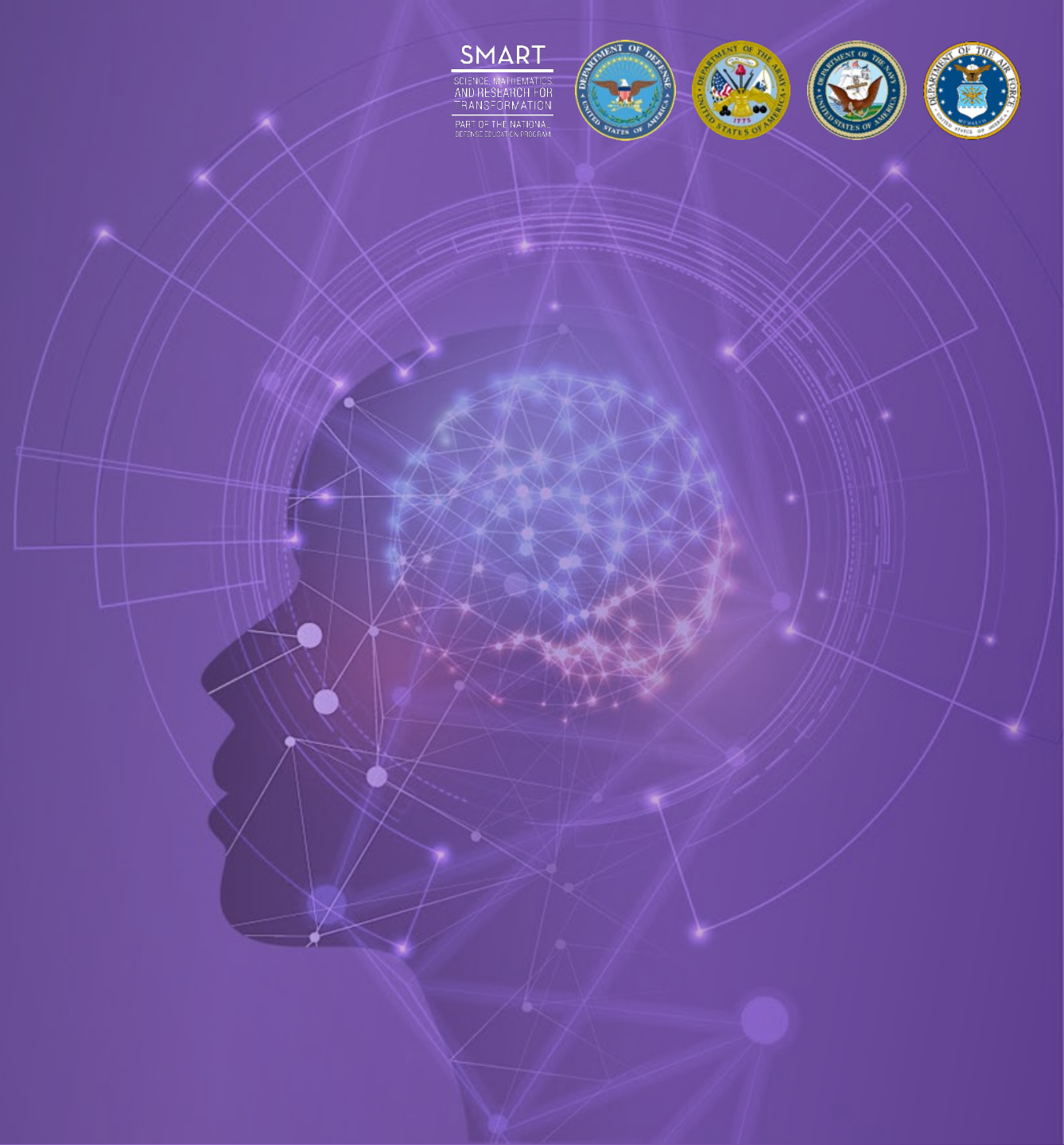
# Science, Mathematics, and Research for Transformation

(SMART) Scholarship-for-Service  
Program

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Deputy Program Manager

SMART

SCIENCE, MATHEMATICS,  
AND RESEARCH FOR  
TRANSFORMATION  
PART OF THE NATIONAL  
DEFENSE EDUCATION PROGRAM



# What is SMART?



DoD's Premiere Scholarship-for-Service program.

- Recruits *new* talent to increase the flow of highly skilled technical labor into the DoD civilian workforce.
- Enhances *existing* DoD civilian workforce by broadening their technical expertise.



Provides up to 5 years of sponsorship for BS, MS, & PhD degrees in 21 STEM disciplines related to national security.



1:1 post-graduation Employment Commitment



## SMART

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Full Tuition



Annual Stipend



Summer Internships



Book and Health Allowance



Experienced Mentor



Employment

# Scholar Benefits

# Eligibility Requirements



U.S. Citizen



Obtain/Maintain  
Security Clearance



18 Years or Older



8-12 Weeks  
Summer Internship



3.0 Minimum GPA



Employment with DoD



Degree in STEM



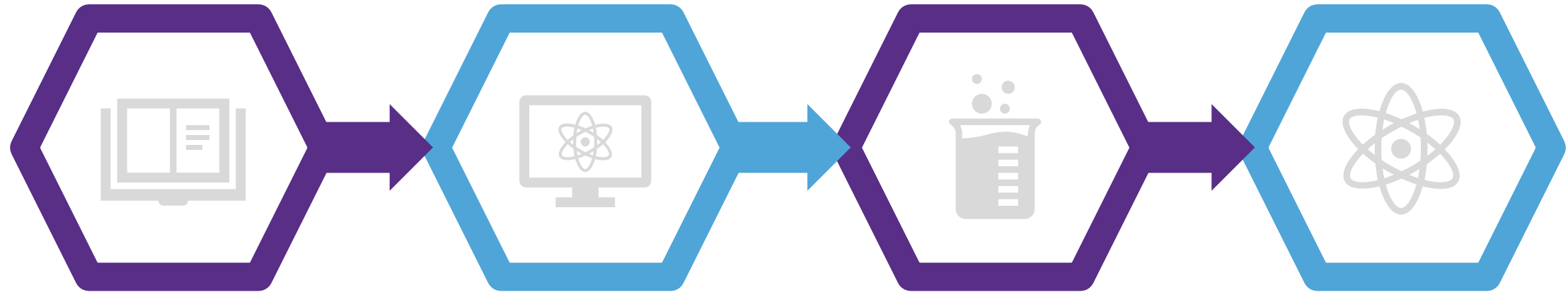
1.5\* Year Requirement



## SMART Scholarship 21 STEM Disciplines

- Aeronautical and Astronautical Engineering
- Biomedical Engineering
- Biosciences
- Chemical Engineering
- Chemistry
- Civil Engineering
- Cognitive, Neural, and Behavioral Sciences
- Computer and Computational Sciences/Engineering
- Electrical Engineering
- Environmental Sciences
- Geosciences
- Industrial and Systems Engineering
- Information Sciences
- Materials Science and Engineering
- Mathematics
- Mechanical Engineering
- Naval Architecture and Ocean Engineering
- Nuclear Engineering
- Oceanography
- Operations Research
- Physics

# SMART Scholarship Lifecycle



## Phase 0

Awards

- ✓ Orientation
- ✓ Site Visits
- ✓ Background Checks

## Phase 1

Academic Pursuit

- ✓ Full time coursework
- ✓ Summer Internships
- ✓ Clearance initiated

## Phase 2


Service Commitment

- ✓ Graduation
- ✓ Transition to full-time employment

## Phase 3

Retained

- ✓ Service commitment complete
- ✓ Option to stay with the DoD

A smiling woman with curly hair, wearing a white button-down shirt, is holding a dark folder. She is standing in an office environment with glass partitions and desks. The background is slightly blurred, showing office equipment and shelves.

# Let's Talk Application

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August 1 – December 1

# SMART Scholarship Application Tips

The SMART Application is open from August 1 – December 1.

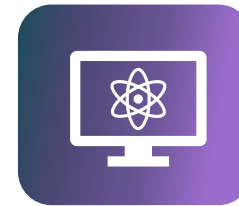
For application tips, visit the resources page on our website:

[www.smartscholarship.org](http://www.smartscholarship.org)



## References

- Individuals that can speak to your technical experiences, leadership skills, and future ambitions.



## Personal Statements

- **Stand out. Tell your story.**
- Include educational and professional goals.
- Why do you want to be a SMART Scholar?  
How will you contribute to the DoD mission?



## Facility Preferences

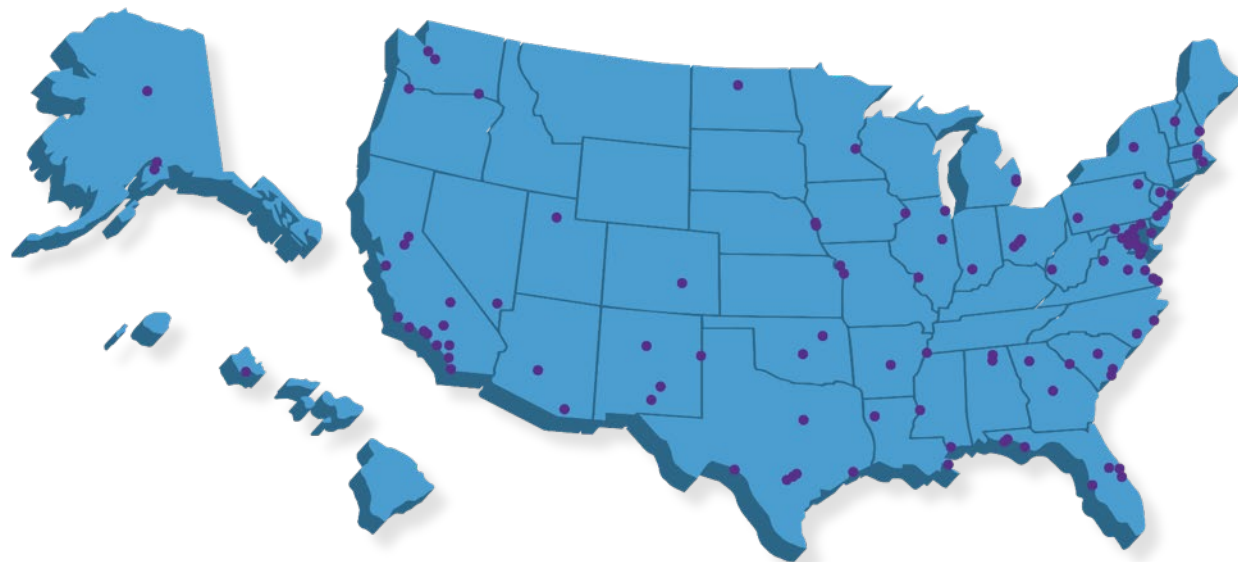
- Research facilities on the SMART website.
- Determine the facilities that align with your academic/professional interests.
- Network, reach out to liaisons, ask questions!



A smiling woman with curly hair, wearing a white button-down shirt, is holding a dark folder. She is standing in a modern office with glass partitions and desks. In the background, another person is partially visible, looking at a computer monitor.

# Let's Talk Internships & Employment

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## DoD SMART Scholarship Facilities

Over 200 Labs and Agencies  
Across 40 States and All Services

Laboratory Sites

59

Intelligence  
Community Sites

12

Medical Facilities

04

Army Corps of  
Engineer Sites

33

Test & Evaluation  
Center Sites

49

Other Mission  
Support Sites

33

# Benefits of Working as a DoD Civilian

## Work-life Balance

The DoD provides a flexible workplace environment for its civilian employees.



- Telework Opportunities
- Alternative Work Schedule

## Broad Range of Research Opportunities

The DoD gives its employees access to an entire spectrum of advanced career choices developing cutting-edge solutions to the Nation's most critical challenges.



- Travel Opportunities
- Mobility in Career Field
- Breadth of Research in STEM Disciplines and Modernization Priorities

## Conducting Work that Matters

DoD employees help transform new ideas into innovative solutions and contribute to R&E work that transitions directly to the Warfighter.



- Each Component / DoD Agency has a unique mission to provide combat-credible military forces needed to protect the security of the Nation



# SMART Scholarship SEED Grant

## Summary

The SMART Scholar SEED Grant Program is an opportunity for employed scholars pursuing their service commitment (Phase 2) to deepen their expertise in targeted STEM areas that enhance the Department of Defense's mission. Scholars who have pursued a Ph.D. through the SMART Program will lead their own research effort while receiving mentoring within their current Sponsoring Facility. The 2021 SEED 'garden' is comprised of 22 young professionals across the Army, Navy, and Air Force with a heavy focus on DoD Modernization.

## Goals

The SEED Grant develops a cadre of future talent to initiate high-impact research at SMART Sponsoring Facilities while creating Department of Defense (DoD) subject matter experts. The goal is to support promising SMART Scholars establish a foundational research and engineering effort in their area of interest as they transition from the pursuit of their Doctor of Philosophy (Ph.D.) to active DoD professionals.

## Recipients for SEED Grant FY2021



### Army

Dr. Krystina Hess – Biotechnology  
Dr. Lindsay Holden – Biotechnology  
Dr. Warren Kadoya – Biotechnology  
Dr. Elyse Baronicini & Dr. Robert Emmett – Energy Storage  
Dr. Jason Davis – Hypersonics  
Dr. George Jacobellis – Rotorcraft Aerodynamics  
Dr. Kenneth Collier – Wireless Comms/PNT



### Navy

Dr. Jon Pouncy – Directed Energy  
Dr. Joseph Fiordilino – Directed Energy/Laser Propagation  
Dr. Juliana Wu & Dr. Joel Hartenberger – Hydrodynamics  
Dr. Angela Norton – Hypersonics  
Dr. Dieter Bevans – Ocean Acoustics



### Air Force

Dr. Joshua Dickey – Artificial Intelligence  
Dr. Roberto Trevino – Artificial Intelligence  
Dr. Matt Klawonn – Artificial Intelligence/Autonomy  
Dr. Beth Morrison – Autonomy/FNCCC  
Dr. William Monzel – Directed Energy/Space  
Dr. Kevin McHugh – Hypersonics  
Dr. Brandon Witbeck – Hypersonics  
Dr. Neil Moser – Microelectronics  
Dr. Phillip Piper – Space

Connect with us!  
**SMART Scholarship**

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DoD SMART Scholarship

Follow us on social media!

For more information on the  
SMART Program, email  
*smart@smartscholarship.org*

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August 1 – December 1

**www.smartscholarship.org**