



DoD STEM AND THE DEFENSE STEM
EDUCATION CONSORTIUM (DSEC)

INSPIRING THE FUTURE

The United States Department of Defense (DoD) depends on nearly 300,000 STEM Professionals across the Defense Laboratory Enterprise (DLE) to meet national defense challenges and modernization priorities. DLE comprises of DoD laboratories, warfare centers, and engineering centers across the United States, and around the world, inclusive of any facility where DoD STEM professionals serve. Other examples include: Federally Funded Research and Development Centers (FFRDCs), University Affiliated Research Centers (UARC)s, depots, and shipyards. Aligned to the federal science, technology, engineering, and mathematics (STEM) strategic plan, DoD is investing in evidence-based approaches to inspire and develop the United States' science and technology workforce pipeline. **The Defense Science, Technology, Engineering, and Mathematics Education Consortium (DSEC)** is a collaborative partnership between academia, industry, not-for-profit organizations, and government that aims to broaden STEM literacy and develop a diverse and agile future workforce to power the United States' innovative defense infrastructure.

DSEC is led on behalf of DoD STEM by RTI International. This multi-year effort includes elements focused on STEM enrichment programs for students and educators, STEM workforce engagement, program evaluation, and public outreach. These efforts will improve access for students to pursue STEM careers and consider the DoD as a place of employment. Through strategic investment in STEM education and outreach activities, the effort will provide students with more exposure to educational and career opportunities, as well as DoD research. Additionally, the DSEC will provide unique hands-on learning experiences where students can work side-by-side with the Nation's best STEM Professionals helping to create cutting edge research and development. As an overarching goal, DSEC seeks to inspire the next generation of STEM Professionals, including scientists, engineers, manufacturers, and more!

To learn more about DoD STEM opportunities, visit our website at dodstem.us, and follow us on social media [@dodstem](https://twitter.com/dodstem).

Contact DoD STEM
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[DODSTEM.US](https://dodstem.us)

Department of Defense
DoDSTEM
Science • Technology • Engineering • Mathematics

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EDUCATION
CONSORTIUM

DSEC FUNDAMENTALS



Engage students and educators in meaningful STEM experiences

DSEC will engage K–16 students and educators in meaningful formal and informal DoD STEM learning experiences.



Serve students who are military-connected and underrepresented in STEM

DSEC will focus on serving students who are underrepresented in STEM (as defined by DoD STEM).



Connect to the DoD STEM workforce

DSEC will ensure STEM experiences are connected to the DoD STEM workforce and DoD careers.

How will DSEC support these three priorities in a unique and innovative way?



Leverage the network as a force multiplier

DSEC will leverage the consortium as a force multiplier to amplify the reach, visibility, and outcomes of DoD STEM.



Evolve the approach based on data

DSEC will use a data-driven approach to evolve and evaluate how DSEC operates over time to ensure positive outcomes for students and educators.

DSEC PARTNERS

