



SUPPORT STEM EDUCATION PROGRAMS



STEM FY 2017 FUNDING

- ✓ **\$185 million** for “Broadening Participation” programs and two new HBCU STEM initiatives under the National Science Foundation (NSF);
- ✓ **\$40 million** for Historically Black Colleges and Universities/Minority Institutions (HBCU/MI) at the Department of Defense (DOD);
- ✓ **\$33 million** for Minority University Research and Education Program (MUREP) at the National Aeronautics and Space Administration (NASA); and
- ✓ **\$16 million** for Education Partnerships Program/Minority Serving Institutions at the National Oceanic and Atmospheric Administration (NOAA).

NATIONAL SIGNIFICANCE

The economic progress of the U.S. is inextricably linked to its accomplishments in science, technology, engineering and mathematics (STEM). As much as 85% of the measured growth in the U.S. economy is attributable to technological innovation, and the STEM workforce drives this growth.

BACKGROUND

The programs below facilitate a strong STEM pipeline for minority students, from classrooms to the workforce.

NSF “Broadening Participation” Programs

\$51 million for the *Louis Stokes Alliances for Minority Participation (LSAMP)*: implements innovative

recruitment/retention strategies to help minority students earn STEM degrees and STEM careers.

\$64 million for the *HBCU Undergraduate Program (HBCU-UP)*: develops or identifies models of success that prepare HBCU students for STEM graduate studies.

\$26 million for the *Centers for Research Excellence in Science and Technology (CREST) program*: enhances the research capacity at Minority-Serving Institutions by establishing research centers of excellence.

\$9 million for the *Alliances for Graduate Education and the Professoriate (AGEP)*: promotes graduate and doctoral education by increasing the number of professors from underrepresented minority backgrounds.

\$10 million for the *HBCU Excellence in Research*: HBCUs Excellence in Research would provide strategic programs and opportunities for HBCUs that stimulate sustainable improvement in their research and development capacity and competitiveness.

\$25 million for *NSF Inclusion across the Nation of Communities of Learners of Underrepresented Discoverers in Engineering and Science (NSF INCLUDES)*: NSF INCLUDES is designed to enhance U.S. leadership in STEM fields through stakeholder partnerships.

NASA

\$33 million for the *Minority University Research and Education Program (MUREP)*: offers students research opportunities and access to technology directly related to the solar system.

DOD

\$40 million for *Historically Black Colleges Universities/Minority Institutions (HBCU/MI)*: increases opportunities for minority participation in defense research programs and enhances institutional research capacity.

NOAA

\$16 million for the *Education Partnerships Program/Minority Serving Institutions (EPP/MSI)*: increases the number of students of color who graduate with science degrees by providing research opportunities and scholarship aid.