In Fiscal Year (FY) 2018, the National Science Foundation made $70,213,000 in awards to Tennessee in support of fundamental research, advanced technical education, entrepreneurial training, STEM teacher training, long-term ecological monitoring, small business development, major research instrumentation and more.

**DID YOU KNOW?**

**DISCOVERY** | Mother Nature has her own forms of pest control services -- like insect-eating bats -- to keep species from overpopulating. A study by the University of Tennessee (UT), Knoxville, has found that these “services” are affected by market forces, like most anything else in the economy. Results of the study have implications for biodiversity conservation efforts. Researchers from UT and the University of Arizona, Tucson, studied how forces such as volatile market conditions and technological substitutes affect the value of pest control services provided by Mexican free-tailed bats on cotton production in the U.S. They found the services are impacted by the forces to the tune of millions of dollars.

**STEM WORKFORCE DEVELOPMENT** | Two institutions in Tennessee participate in NSF’s CyberCorps®: Scholarship for Service program, which is designed to recruit and train the next generation to meet the needs of the cybersecurity mission for federal, state, local and tribal governments. The program provides scholarships at Tennessee Technical University and the University of Tennessee - Chattanooga for up to three years of support for cybersecurity undergraduate and graduate education and, in return, recipients agree to work after graduation for the U.S. government, in a position related to cybersecurity.

**SUPPORTING STUDENTS** | Tennessee received $14,908,605 from NSF in FY 2018 through the Robert Noyce Scholarship program, which prepares equity-minded mathematics and science teachers to work in diverse communities of learners. The scholarship program is being funded at 12 organizations in the state of Tennessee.

**SCIENCE & ENGINEERING INDICATORS** | 3.20 percent of the Tennessee workforce is employed in S&E occupations, and 6.88 percent of Tennessee business establishments are industries with high employment in science, engineering and technology (SET) occupations.¹

**COMPETITIVE RESEARCH** | NSF made $63,958,000 in awards to Tennessee’s academic institutions in FY 2018.