OHIO

- **FY 2021 Fast Facts**
  - $203,771,000: Total NSF Awards to Ohio
  - $185,002,000: Invested in Fundamental Research in Ohio
  - $18,770,000: Invested in STEM Education in Ohio
  - $6,002,000: Invested in Ohio startups

- **Top NSF-funded Academic Institutions for FY 2021**
  - $64,055,000: Ohio State University
  - $15,932,000: University of Cincinnati
  - $14,920,000: Case Western Reserve

- **NSF By The Numbers**
  The National Science Foundation (NSF) is an $8.8 billion independent federal agency created by Congress in 1950 to promote the progress of science; to advance the national health, prosperity, and welfare; to secure the national defense. NSF’s vital role is to support basic research and researchers who create knowledge that transforms the future.

  - 93%: Funds research, education and related activities
  - $8.8B: FY 2022 Enacted
  - 43,600: Proposals evaluated
  - 2,000: NSF-funded institutions
  - 11,300: Number of awards NSF funds each year
  - 318K: People NSF supported
  - $1.5B: STEM education
  - $181M*: To seed public/private partnerships
  - 253: NSF-funded Nobel Prize winners

*Corresponds to NSF investments initiated in FY 2021 and spanning multiple years.
NSF-funded COVID-19 Research and Recovery

The cost of children's varied social, emotional and behavioral problems to society is profound, estimated at $247 billion annually. Training young scholars passionate about improving care for these youth benefits both individuals and society. Led by Ohio University, an NSF Research Experiences for Undergraduates site has a well-structured program for a group of nine students each year who are interested in treatment-related research for children with social, emotional and behavioral problems. The site offers a one-week online orientation as well as independent research training, mentoring and coursework experiences during a seven-week intensive summer institute. This unique experience is led by highly qualified productive faculty in clinical psychology, sociology, health psychology, integrative primary care and school mental health fields who have a track record of involving undergraduates in treatment-related research. Through collaborations among junior scientists and faculty with diverse perspectives, participating scholars and mentors reinvigorate traditional ways of thinking, impact the field through presentations and publications, and expand the field of treatment-related research.

STEM Education & Broadening Participation

Funded by NSF's Scholarships in Science, Technology, Engineering, and Mathematics program, a project at Columbus State Community College will establish the Future Tech Scholars program to fund scholarships for 90 full-time and part-time students who are pursuing associate degrees in information science technology. The program will recruit and enroll a diverse group of students; increase the recruitment, retention, completion and transfer/employment of low-income, academically talented students; and contribute to the assessment, implementation and sustainability of evidence-based curricular and co-curricular support strategies that lead to increased student success.

Research Driving Innovation

The Ohio State University leads two NSF Artificial Intelligence Institutes. The Institute for Intelligent Cyberinfrastructure with Computational Learning in the Environment will build the next generation of cyberinfrastructure to make AI easy for scientists to use and to make it accessible to broader communities. It will transform the AI landscape of today by recruiting scientists from multidisciplinary backgrounds to create a robust, trustworthy and transparent national cyberinfrastructure that is ready to "plug-and-play" in areas of societal importance. The institute will develop a new generation of the workforce, with sustained diversity and inclusion at all levels. The Institute for Future Edge Networks and Distributed Intelligence will leverage the synergies between networking and AI to design future generations of wireless edge networks that are highly efficient, reliable, robust and secure. New AI tools and techniques will be developed to ensure these networks are self-healing and self-optimized. And it will create a research, education, knowledge transfer and workforce development environment that will help establish U.S. leadership in next-generation edge networks and distributed AI for decades to come.

Infrastructure

The NSF Innovation Corps (I-Corps) program prepares scientists and engineers to extend their focus beyond the university laboratory, accelerating the economic and societal benefits of NSF-funded basic research projects that are ready to move toward commercialization. The state of Ohio, through I-Corps Ohio, was the first state to support university-based teams with state funds to go through the I-Corps program.

NCSES

According to the National Center for Science and Engineering Statistics (NCSES), which is housed in NSF, Ohio ranks 8th in the nation for SBIR awards. Visit Ohio's science and engineering state profile to learn more!

- 4.83% of Ohio’s workforce are employed in S&E occupations.
- 30.58% of Ohio’s higher education degrees are concentrated in S&E fields.

Learn More


NSF FACT SHEETS – NSF provides fact sheets about the agency and its bold investments in basic research. These fact sheets profile NSF investments in research across all fields of science and engineering, including quantum, artificial intelligence, and advanced manufacturing, and the NSF-supported research and computing infrastructure powering the U.S. response to COVID-19.

CONNECT WITH NSF – For more information on NSF’s impact in your state, please contact NSF’s Office of Legislative and Public Affairs at congressionalteam@nsf.gov.