

FUNDING GRADUATE EDUCATION

Investing in Our Future



We urge you to support and co-sponsor legislation that:

- Provides **increased financial support** for University-based research
- Improves the **working conditions** of graduate student researchers, including providing mental, physical, and financial support
- Expands access to **diverse professional development** opportunities

STEM (Science, Technology, Engineering, Math)

Universities conduct basic research at lower risk than industry, making it more profitable.

[1]

Federally funded research accelerates industry productivity and privatizing decreases it.

[1]

Annually, NSF supports around 350,000 people in their research. [2]

93% of STEM occupations earned more than the national average in 2015. [3]

STEM-related jobs grew at nearly twice the rate of non-STEM jobs from 2009-2015. [3]

Social Sciences

Social science research seeks to understand human behavior and addresses a wide range of issues, including: [5]

- Improving natural disaster evacuations
- Effective methods of international negotiation
- Assessing national security and terroristic threats
- Tracking sex offenders and protecting children
- Maintaining food and water supplies
- Keeping teenagers from engaging in risky behavior
- Improving the lives of veterans
- Understanding disease control

The State Department, Homeland Security, Defense Department, and Department of Energy all rely on the work of social scientists. [5]

Arts and Humanities

The National Endowment of the Humanities (NEH) operates on 0.006% of the federal budget and has generated billions through matching investments. [8]

NEH investments bolster local economies through tourism and job creation and serve tens of millions of people each year. [8,9]

NEH's educational programs improve academic outcomes and includes the Warrior-Scholar Project that helps veterans prepare for college. [8]

Each year, the Institute for Museum and Library Services (IMLS) receives around \$230 million federally each year but spends \$21 billion and employs more than 400,000 Americans. [10]

Libraries and museum service the one in six adults in the US with low literacy skills. [10]

99%

of STEM-related jobs
require
post-secondary
education. [3]

8.9%

expected growth of
STEM-related
employment [4]

40%

How much social
science-based
methods reduce
recidivism [6]

96%

Graduates with
humanities degrees
employed [7]

87%

Employed graduates
with humanities
degrees who are
satisfied with their
jobs [7]

FUNDING GRADUATE EDUCATION

Investing in Our Future



References

- [1] **Matt Hourihan. 16 October 2017 AAAS. If Government Scales Back Technology Research, Should We Expect Industry to Step In?**
<https://mcprodadaas.s3.amazonaws.com/s3fs-public/AAAS%20Public%20%26%20Private%20R%26D.pdf?AYBSf.tHhNcjLd1ZMW2RSRpJgve.tbQ1>
- [2] **NSF. Transforming the World Through Science.**
https://www.nsf.gov/about/congress/reports/Transforming_the_World.pdf
- [3] **U.S. Bureau of Labor Statistics. 2015. STEM Occupations: Past, Present, And Future.**
<https://www.bls.gov/spotlight/2017/science-technology-engineering-and-mathematics-stem-occupations-past-present-and-future/pdf/science-technology-engineering-and-mathematics-stem-occupations-past-present-and-future.pdf>
- [4] **Ryan Noonan. 30 March 2017. U.S. Department of Commerce. STEM Jobs: 2017 Update.**
<http://www.esa.doc.gov/sites/default/files/stem-jobs-2017-update.pdf>
- [5] **National Science Foundation. 2013. Bringing People Into Focus: How Social, Behavioral and Economic Research Addresses National Challenges**
www.nsf.gov/about/congress/reports/sbe_research.pdf
- [6] **Dvoskin, J.A., Skeem, J.L., Novaco, R.W., Douglas, K.S. 2011. Using Social Science to Reduce Violent Offending: A briefing paper for public policymakers.**
<http://reducingviolence.com/storage/BriefingPaper.pdf>
- [7] **2018. American Academy of Arts and Sciences. The State of the Humanities 2018: Workforce & Beyond**
<http://bit.ly/HIWorkforce2018>
- [8] **National Humanities Alliance. Talking Points.**
http://www.nhalliance.org/talking_points
- [9] **National Humanities Alliance. Issue Briefs: Support for the National Endowment for the Humanities (NEH)**
http://www.nhalliance.org/neh_issue_brief
- [10] **National Humanities Alliance. Issue Briefs: Support for the Institute of Museum and Library Services (IMLS)**
http://www.nhalliance.org/imls_issue_brief