

# Science at Work: The People and Industries Powering America's Prosperity

**The science, technology, engineering, mathematics and medicine (STEMM) workforce is the backbone of the U.S. economy.**

More than 73 million Americans are employed in STEMM professions; they represent 34% of the U.S. workforce; and they contribute over \$10.87 trillion – about 40% – to the nation's gross domestic product annually.

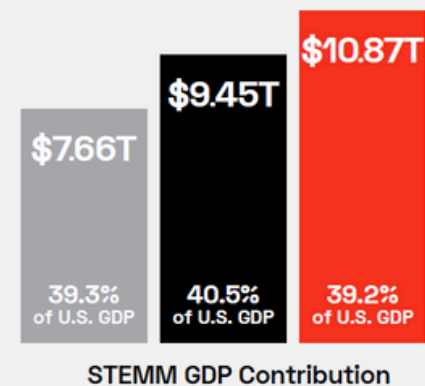
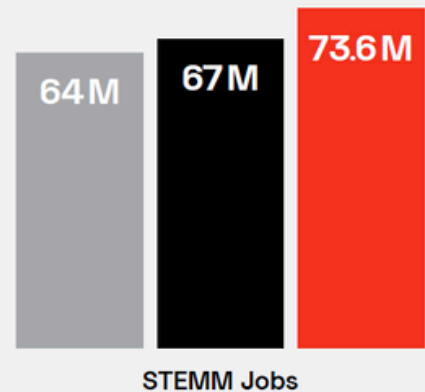
Occupations in STEMM generate substantial economic ripple effects. STEMM professionals produce more in tax revenue than their non-STEMM peers and earn higher incomes. They are in highly sought, in-demand fields which offer fulfilling careers at all education levels. In fact, more than half of all STEMM professionals do not have a bachelor's degree.

Despite the robust contributions of STEMM fields, the U.S. faces a critical skills gap threatening innovation, as employer demand outpaces the supply of qualified STEMM professionals. With an increase in demand for skilled professionals, investments in pathways to STEMM education and workforce development are essential to sustaining the U.S. economic advantage.

Leveraging our nation's STEMM prowess is of paramount importance for bolstering American economic competitiveness. By continuing to champion STEMM, we can ensure a prosperous future with inclusive economic opportunities that can produce tremendous benefits across the nation.

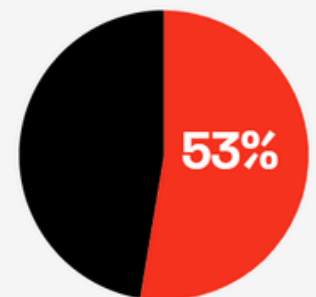
## The Direct Impact of STEMM on the U.S. Economy Continues to Grow

■ 2017<sup>i</sup> ■ 2021<sup>ii</sup> ■ 2023



**Less than a bachelor's degree**

**Bachelor's degree and higher**



<sup>i</sup> AIA, AAAS, ACS, AGU, APS, COSSA, Council on Competitiveness, FASEB, IEEE-USA and SIA. *STEMM and the American Workforce*.

<sup>ii</sup> Science is US, *People of Science: An inclusive analysis of the U.S. STEM workforce and its economic impact*.

## Science is US

Website: <https://scienceisus.org/science-at-work/>