

The State of Girls and Women in STEM

K-12 Education

Girls/young women and boys/young men do not significantly differ in their abilities in mathematics and science, but do differ in their interest, confidence, and sense of belonging in science, technology, engineering, and mathematics (STEM).

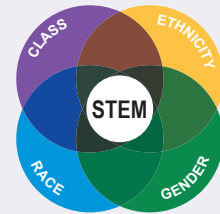
Girls' and young women's achievement in mathematics and science is on par with that of boys and young men.



YOUNG WOMEN
PARTICIPATE IN HIGH LEVEL
**MATHEMATICS AND
SCIENCE COURSES**
AT SIMILAR RATES AS YOUNG MEN,

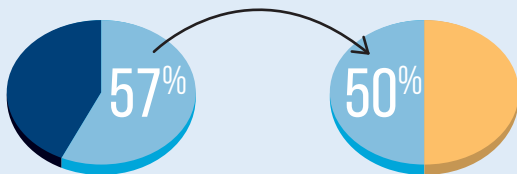
EXCEPT FOR COMPUTER
SCIENCE, ENGINEERING, AND PHYSICS.

For girls/young women of color and girls/young women from lower socioeconomic status, the impacts of the intersectional inequalities of gender, race, ethnicity, and class can hinder identification with and long-term participation in STEM.



Higher Education

The rates of science and engineering (S&E) coursetaking for women shift at the undergraduate level and gender disparities begin to emerge.



Women earn 57% of bachelor's degrees in all fields

Women earn 50% of bachelor's degrees in S&E

Women earn a majority of bachelor's degrees in psychology, biological sciences, and social sciences, but they earn only

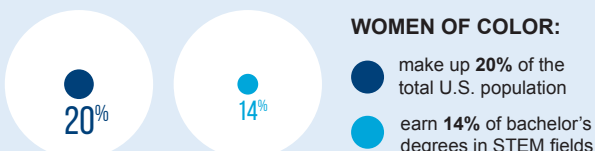


in Engineering

in Computer Science

in Physics

Women of color continue to be underrepresented in STEM, but are gradually increasing their share of STEM degrees.

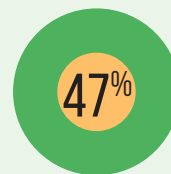


WOMEN OF COLOR:

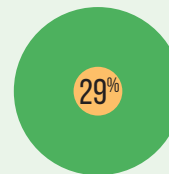
- make up 20% of the total U.S. population
- earn 14% of bachelor's degrees in STEM fields

STEM Workforce

Women remain underrepresented in the science and engineering workforce, with the greatest disparities occurring in engineering and computer sciences.



Women constitute 47% of the total workforce.

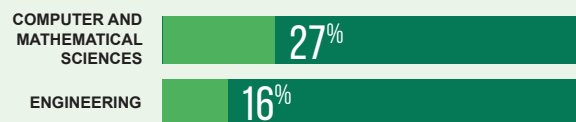


Women constitute 29% of the STEM workforce.

Women STEM professionals are concentrated in different fields than men, with relatively high shares of women in



and relatively low shares of women in



Latinx, Black, and Indigenous women represent less than 10% of women in the STEM workforce



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