FRESHMEN INTENTIONS TO MAJOR IN ENGINEERING, MATH, STATISTICS, OR COMPUTER SCIENCE:

2006 | 2014
---|---
18.4% | 26.9%
3.5% | 7.9%

WOMEN LEAVING ENGINEERING/STEM

OVER 32% of women switch out of STEM degree programs in college.

ONLY 30% of women who earn bachelor's degrees in engineering are still working in engineering 20 years later.

OF THE 30% of women who have left the engineering profession cite organizational climate as the reason.

Degrees Awarded

38% increase in bachelor’s degrees awarded in engineering and computer science from 2011 (136,163) to 2016 (188,414).

21.3% of bachelor’s degrees awarded to women in engineering and computer science.

54% increase in bachelor’s degrees awarded in engineering and computer science to women from 2011 (23,606) to 2016 (36,453).

5.6% of bachelor’s degrees in engineering awarded to women of color.
IN THE WORKFORCE

ONLY 13% of engineers are women.

Female engineers earn 10% LESS than male engineers.

ONLY 26% of computer scientists are women.

61% of women report that they have to prove themselves repeatedly to get the same level of respect and recognition as their colleagues.

TOP 10 Engineering Degrees: Female | 2016-17

1. Mechanical
2. Chemical
3. Civil
4. Biomedical
5. Computer Science
6. Industrial/Manufacturing/Systems
7. Electrical
8. Computer Engineering
9. Environmental
10. Metallurgical & Materials

1. National Science Board. Science and Engineering Indicators 2016, Appendix Table 2-16.