

By the Numbers

Women and Information Technology

57 Percent of professional occupations in the 2016 U.S. workforce held by women

26 Percent of professional computing occupations in the 2016 U.S. workforce held by women

20 Percent of Fortune 100 Chief Information Officer (CIO) positions held by women in 2016

1.1 million
Number of U.S. computing-related job openings expected by 2024

45 Percent of these jobs that could be filled by U.S. computing bachelor's degree recipients by 2024

56 Percent of Advanced Placement (AP) test-takers in 2016 who were female

47 Percent of AP Calculus test-takers in 2016 who were female

23 Percent of AP Computer Science test-takers in 2016 who were female

61 Percent of 2016 Intel Science and Engineering Fair (ISEF) finalists in Biology categories who were female

32 Percent of 2016 ISEF finalists in Mathematics who were female

31 Percent of 2016 ISEF finalists in Computing categories who were female

57 Percent of 2015 bachelor's degree recipients who were women

18 Percent of 2015 Computer and Information Sciences bachelor's degree recipients who were women

16 Percent of 2015 Computer Science bachelor's degree recipients at major research universities who were women

37 Percent of 1985 Computer Science bachelor's degree recipients who were women

21 Percent increase in the percentage of first-year undergraduate women interested in majoring in Computer Science between 2000 and 2015

26 Percent of computing workforce who were women in 2016

3 Percent of computing workforce who were African-American women in 2016

5 Percent of computing workforce who were Asian women in 2016

2 Percent of computing workforce who were Hispanic women in 2016

Sources: CIO from IDG, 2016 ("Wanted: More Women CIOs (but do they want the job?)"); College Board AP Program Summary Report, 2016 (Calculus AB & BC, Computer Science A); CRA Taulbee Survey 2015; Department of Labor Bureau of Labor Statistics, Employed and Experienced Unemployed Persons by Detailed Occupation, Sex, Race, and Hispanic or Latino Ethnicity 2016 (unpublished table from Current Population Survey); Department of Labor Bureau of Labor, Employment by Detailed Occupation 2015 (Occupational Category: 15-1100), includes new and replacement jobs and assumes current undergraduate degree (CIP 11) production levels persist; Department of Labor Bureau of Labor Statistics, Employed Persons by Detailed Occupation, Sex, Race, and Hispanic or Latino Ethnicity 2016; Higher Education Research Institute (HERI), "The American Freshman: National Norms 2015"; Intel ISEF finalist breakdown by gender, 2016 (unpublished); National Center for Education Statistics (NCES), 2015 (CIP 11).

