By the Numbers

Women and Information Technology

57 Percent of professional occupations in the 2018 U.S. workforce held by women

26 Percent of professional computing occupations in the 2018 U.S. workforce held by women

20 Percent of Fortune 500 Chief Information Officer (CIO) positions held by women in 2018

3.5 million
Number of U.S. computing-related job openings expected by 2026

19 Percent of these jobs that could be filled by U.S. computing bachelor’s degree recipients by 2026

56 Percent of Advanced Placement (AP) test-takers in 2018 who were female

47 Percent of AP Calculus test-takers in 2018 who were female

28 Percent of AP Computer Science test-takers in 2018 who were female

49 Percent of 2018 Intel Science and Engineering Fair (ISEF) finalists who were female

46 Percent of 2018 ISEF finalists in Engineering who were female

27 Percent of 2018 ISEF finalists in Computing categories who were female

57 Percent of 2017 bachelor’s degree recipients who were women

19 Percent of 2017 Computer and Information Sciences bachelor’s degree recipients who were women

19 Percent of 2017 Computer Science bachelor’s degree recipients at PhD-granting universities who were women

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

26 Percent of computing workforce who were women in 2018

3 Percent of computing workforce who were African-American women in 2018

6 Percent of computing workforce who were Asian women in 2018

2 Percent of computing workforce who were Hispanic women in 2018

Sources:
1 Boardroom Insiders, 2018 (“2018's State of Women CIOs in the Fortune 500”)
2 College Board AP Program Summary Report, 2018 (Calculus AB & BC, Computer Science A, Computer Science Principles)
3 ERA Taulbee Survey, 2017
5 Department of Labor Statistics, Employment Projections (Occupational Category: 15-1100) Includes new and replacement jobs and assumes current undergraduate degree (CIP 11) production levels persist
6 Intel ISEF finalist breakdown by gender, 2018 (unpublished)
7 Integrated Postsecondary Education System (IPEDS) at National Center for Education Statistics (NCES), 2017 (CIP 11)