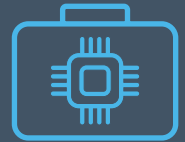# Women and Information Technology: By the Numbers

57 Percent of professional occupations in the 2021 U.S. workforce held by women[4]

26 Percent of professional computing occupations in the 2021 U.S. workforce held by women[4]

13 Percent of U.S. Chief Technology Officer (CTO) positions held by women in 2020[1]

4.7 million Number of U.S. computing-related job openings expected by 2030[5]

20 Percent of these jobs that could be filled by U.S. computing bachelor's degree recipients by 2030[5]

56 Percent of Advanced Placement (AP) test-takers in 2021 who were girls[2]

46 Percent of AP Calculus test-takers in 2021 who were girls[2]

30 Percent of AP Computer Science test-takers in 2021 who were girls[2]

331 Percent increase in girls taking CS AP exams since 2016[6]

46 Percent of states in 2021 requiring high schools teach CS[7]

3 Number of states in 2021 requiring CS for high school graduation[8]

57 Percent of 2020 bachelor's degree recipients who were women[9]

22 Percent of 2020 Computer and Information Sciences bachelor's degree recipients who were women[9]

21 Percent of 2020 Computer Science bachelor's degree recipients at PhD-granting universities who were women[3]

37 Percent of 1985 Computer Science bachelor's degree recipients who were women[9]

26 Percent of computing workforce who were women in 2021[4]

3 Percent of computing workforce who were Black or African-American women in 2021[4]

7 Percent of computing workforce who were Asian women in 2021[4]

2 Percent of computing workforce who were Hispanic or Latina women in 2021[4]

SOURCES:

[1]Johnsen, T., 2021. "What Percentage of COO/CCO/CTOs are Women?"
[2]College Board AP Program Summary Report, 2021 (Calculus AB [49%] & BC [42%], Computer Science A [25%] & Computer Science Principles) [34%])
[3]CRA Taulbee Survey, 2020
[4]Department of Labor Bureau of Labor Statistics, Employed and Experienced Unemployed Persons by Detailed Occupation, Sex, Race, and Hispanic or Latino Ethnicity, Annual Average 2021 (unpublished table from Current Population Survey 2021)
[5]Department of Labor Statistics, Employment Projections 2020-2030 (Occupational Category: 15-1100) Includes new and replacement jobs and assumes current undergraduate degree (CIP 11) production levels persist
[6]College Board AP Program Summary Report, 2016, 2021
[7]Code.org, 2021, State Tracking 9 Policies
[8]2021 State of Computer Science Education: Accelerating Action through Advocacy Illuminating Disparities
[9]Integrated Postsecondary Education System (IPEDS) at National Center for Education Statistics (NCES), 2020 (CIP 11)

national center for **women&** INFORMATION TECHNOLOGY