

By the Numbers

Women and
Information
Technology

57 Percent of professional occupations in the 2011 U.S. workforce held by women

25 Percent of professional computing occupations in the 2011 U.S. workforce held by women

20 Percent of Chief Information Officer (CIO) positions at Fortune 250 companies held by women in 2012

1.4 million
Number of computer specialist job openings expected in the U.S. by 2020

30 Percent of these jobs that could be filled by U.S. computing graduates by 2020

56 Percent of Advanced Placement (AP) test-takers in 2011 who were female

46 Percent of AP Calculus test-takers in 2011 who were female

19 Percent of AP Computer Science test-takers in 2011 who were female

54 Percent of 2011 Intel Science and Engineering Fair (ISEF) finalists in Biochemistry who were female

29 Percent of 2011 ISEF finalists in Mathematics who were female

17 Percent of 2011 ISEF finalists in Computer Science who were female

57 Percent of 2010 undergraduate degree recipients who were female

18 Percent of 2010 Computer and Information Sciences undergraduate degree recipients who were female

14 Percent of 2010 Computer Science undergraduate degree recipients at major research universities who were women

37 Percent of 1985 Computer Science undergraduate degree recipients who were women

79 Percent decline in the number of first-year undergraduate women interested in majoring in Computer Science between 2000 and 2011

25 Percent of computing workforce who were female in 2011

3 Percent of computing workforce who were African-American women in 2011

4 Percent of computing workforce who were Asian women in 2011

1 Percent of computing workforce who were Hispanic women in 2011

Sources: U.S. Department of Labor, Bureau of Labor Statistics, 2011 (Occupational Category: 15-0000); Boardroom Insiders, 2012; Includes new and replacement jobs and assumes current undergraduate degree (CIP 11) production levels persist; College Board AP Program Summary Report, 2011 (Calculus AB & BC, Computer Science A); Intel ISEF finalist breakdown by gender, 2011 (unpublished); National Center for Education Statistics (NCES), 2010 (CIP 11); 2009-2010 CRA Taulbee survey (Computer Science); The American Freshman: Forty Year Trends, 1966- 2006, The American Freshman: National Norms Fall 2011, Higher Education Research Institute (HERI).

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www.ncwit.org | info@ncwit.org | 303.735.6671 | Twitter: @ncwit

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