

# NCWIT Scorecard: The Status of Women in Computing [2020 Update]

The NCWIT Scorecard shows trends in girls' and women's participation in computing in the U.S. over time, providing a benchmark for measuring progress and identifying areas for improvement.

NCWIT supplies these data and embedded charts for the computing community free of charge. Below, you can download individual Excel workbooks for each sector (K-12, post-secondary, workforce) or the entire .zip file. Feel free to use these data in reports, presentations, proposals, and other research with the appropriate citation.

Suggested citation: *DuBow, W. & Gonzalez, J.J. (2020) NCWIT Scorecard: The Status of Women in Technology. Boulder, CO: NCWIT.*

**NCWIT also supplies an executive summary, available through the “Download” button below.**

Please [let us know](#) how and when you use this information, so we can better report the impact of our services. And if you have questions, email [us](#). Thank you!

Can't find the statistics you're looking for? Email [datarequest@ncwit.org](mailto:datarequest@ncwit.org) to let us know.

## Show me statistics about...

- [Job Growth and Career Stability in Computing](#) | [Excel](#) (243 KB)

- [The Status of Computing in Secondary Education](#) | [Excel](#) (100 KB)
- [Gender, Race, and Ethnicity in Post-Secondary Computing Education](#) | [Excel](#) (454 KB)
- [Gender, Race, and Ethnicity in the Computing Workforce](#) | [Excel](#) (114 KB)
- Graph image files from the NCWIT Scorecard Data Highlights PDF | [.zip](#) (4.9 MB)
- All Excel Workbooks and Graphs | [.zip](#) (5.7 MB)

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## Job Growth and Career Stability in Computing

The following statistics can be found in this downloadable [Excel](#) workbook:

- Tab 1: Top 50 Most Profitable Companies (2019)
- Tab 2: Predicted Job Growth, Occupational Classifications (2018-2028)
- Tab 3: Predicted Job Growth, Select Computing Occupational Classifications (2018-2028)
- Tab 4: Top 10 Salaries for Undergraduate Majors (2019)
- Tab 5: Median Salary by Gender and Undergraduate Major (2018)
- Tab 6: Unemployment Rate of 25-to-29-year-olds by Undergraduate Field of Study (2018)

*Updated 02-29-20*

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## The Status of Computing in Secondary Education

The following statistics can be found in this downloadable [Excel workbook](#):

- Tab 1: Computing Coursework of SAT Test-Takers by Gender (1996-2015)
- Tab 2: AP Computer Science Test-Takers by Gender (1997-2019)
- Tab 3: Intel Science and Engineering Fair (ISEF) Percent Participation of Women (1999-2019)
- Tab 4: Intended Major by Math SAT Score (Top 10) (2019)
- Tab 5: Intended Major by Math SAT Score and Gender (Top 10) (2016)
- Tab 6: Percent of Students Intending to Major in Computer Science by Gender (1987-2016)
- Tab 7: Access to High-School Computer Science Classes for Students of Underrepresented Races/Ethnicities (2019)
- Tab 8: Percent of High Schools Offering Computer Science by Community Type (2019)

Supporting Tables:

- Tab 9: High School Computer Science Status by State (2019)

*Updated 03-05-20*

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## Gender, Race, and Ethnicity in Post-Secondary Education

The following statistics can be found in this downloadable [Excel workbook](#):

- Tab 1: Women's Percentage of STEM and Social Science Degrees (1995-2019)
- Tab 2: Computer and Information Sciences (CIS) Bachelor's Degrees by Gender (1984-2019)
- Tab 3: Percent of CIS Degrees Earned by Women (all levels) (1998-2019)
- Tab 4: Percent of Computer Science (CS) Degrees Earned by Women (1990-2019)
- Tab 5: Racial Ethnic Composition of CIS Associate's Degree Graduates (1989-2019)
- Tab 6: Racial Ethnic Composition of CIS Bachelor's Degree Graduates (1989-2019)
- Tab 7: Racial Ethnic Composition of CIS Master's Degree Graduates (1989-2019)
- Tab 8: Racial Ethnic Composition of CIS Doctoral Degree Graduates (1989-2019)
- Tab 9: Enrolled Undergraduates by Race and Gender (All Majors) (1994-2018)
- Tab 10: Racial/Ethnic Composition of Associate's Degree Graduates- All Majors (1989-2019)
- Tab 11: Racial/Ethnic Composition of Bachelor's Degree Graduates- All Majors (1989-2019)
- Tab 12: Racial/Ethnic Composition of Master's Degree Graduates- All Majors (1989-2019)
- Tab 13: Racial/Ethnic Composition of Doctoral Degrees Graduates- All Majors (1989-2019)

*Updated 02-17-21*

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Gender, Race, and Ethnicity in the

# Computing Workforce

The following statistics can be found in this downloadable [Excel workbook](#):

- Tab 1: Percent Women Employment in Select Professional Occupational Categories (2003-2019)
- Tab 2: Percent Women's Employment in Select Computing Occupations (1998-2019)
- Tab 3: Race and Ethnicity of Women in Computing and Mathematical Occupations (2007-2019)
- Tab 4: Percent of Women Employed in Computing and Mathematical Occupations by Race/Ethnicity (2007-2019)
- Tab 5: Number of Women Employed in Computing and Mathematical Occupations by Race/Ethnicity (2007-2019)
- Tab 6: Women's Percentage of Computer Science Faculty at PhD-granting Institutions (1993-2018)
- Tab 7: Women's Quit Rates in Science, Engineering and Technology (2008\*)
- Tab 8: Women's "Stall" Rates in Science, Engineering, and Technology by Race/Ethnicity (2014\*)
- Tab 9: Percent Women-Invented Technology Patents (1980-2010\*)
- Tab 10: Percentage of Technology Patents by Country (1980-2010\*)
- Tab 11: U.S. and Japanese Technology Patents by Area, Gender, and Citation Index (1980-2010\*)
- Tab 12: U.S. Technology Patents by Gender of Team (1980-2010\*)

\*No recent updates available on these data.

*Updated 06-02-20*



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