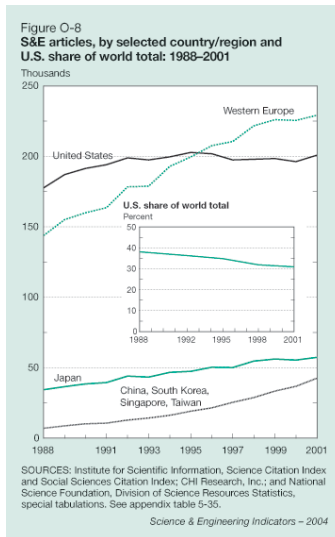
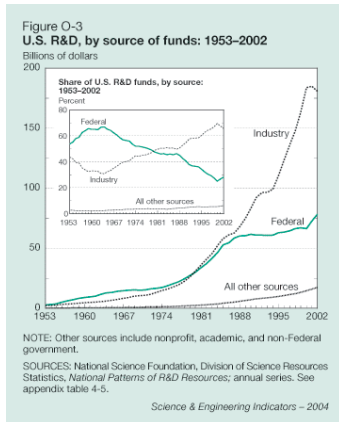


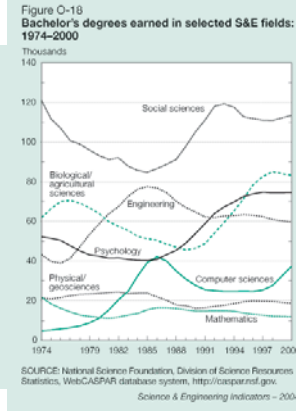
R&D Spending and Pubs

- Source: www.nsf.gov/statistics



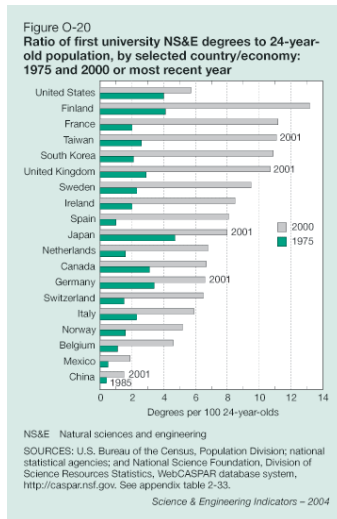
Workforce

- NSF 2004



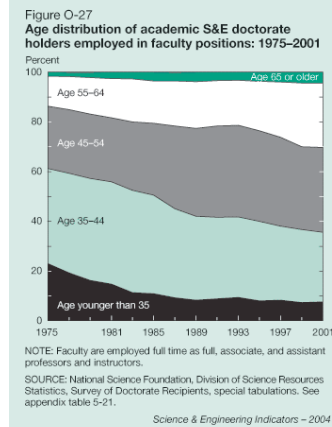
S&E Degrees per 24 yr old

- NSF 2004



Faculty Age Distribution

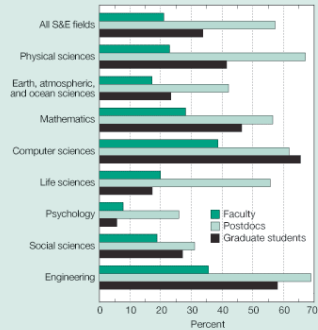
- NSF04



Foreign Participation

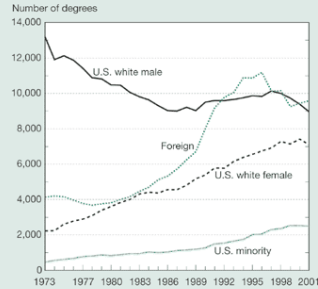
• NSF04

Figure O-28
Foreign-born share of S&E doctoral faculty, postdocs, and graduate students, by major degree field: 2001



NOTE: Because data include only U.S. doctorate holders, the foreign-born share is understated.
SOURCES: National Science Foundation, Division of Science Resources Statistics (NSF/SRS), Survey of Doctorate Recipients, special tabulations; and NSF/SRS, Survey of Postdoctorates and Graduate Students in Science and Engineering.
Science & Engineering Indicators - 2004

Figure 2-22
U.S. S&E doctoral degrees, by sex, race/ethnicity, and citizenship status: 1973-2001

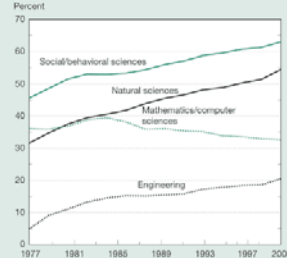


NOTES: Foreign includes permanent and temporary residents. Minority includes Asian/Pacific Islander, black, Hispanic, and American Indian/Alaskan Native. Degree recipients with unknown citizenship are omitted.
SOURCE: National Science Foundation, Division of Science Resources Statistics, WebCASPAR database system, <http://caspar.nsf.gov>. See appendix tables 2-26, 2-27, and 2-28.
Science & Engineering Indicators - 2004

Female Education Participation

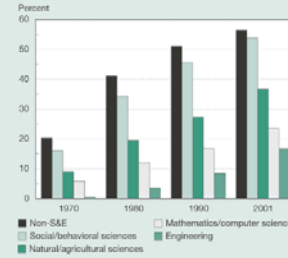
• NSF04

Figure 2-12
Female share of S&E bachelor's degrees, by selected fields: Selected years, 1977-2000



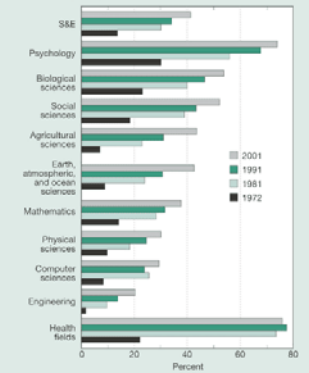
NOTES: Data for 1983 are estimated. Natural sciences include physical, biological, earth, atmospheric, and ocean sciences.
SOURCES: U.S. Department of Education, Completions Survey; and National Science Foundation, Division of Science Resources Statistics, WebCASPAR database system, <http://caspar.nsf.gov>. See appendix table 2-22.
Science & Engineering Indicators - 2004

Figure 2-20
Doctoral degrees earned by women in U.S. institutions, by field: Selected years, 1970-2001



NOTE: Natural sciences include physical, biological, earth, atmospheric, and ocean sciences.
SOURCE: National Science Foundation, Division of Science Resources Statistics, WebCASPAR database system, <http://caspar.nsf.gov>. See appendix table 2-25.
Science & Engineering Indicators - 2004

Figure 2-7
Female U.S. graduate S&E enrollment, by field: Selected years, 1972-2001



NOTE: Health fields not included in S&E total.
SOURCE: National Science Foundation, Division of Science Resources Statistics, WebCASPAR database system, <http://caspar.nsf.gov>. See appendix table 2-13.
Science & Engineering Indicators - 2004

Bachelors awarded

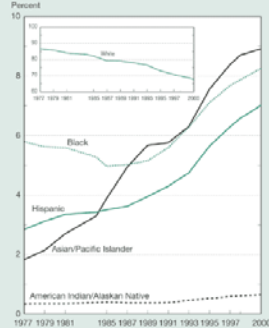
Ph.D.'s awarded

Graduate enrollment

URM education participation

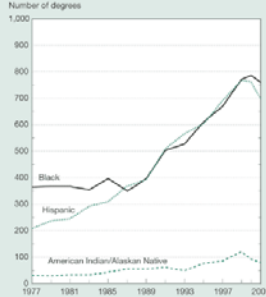
• NSF04

Figure 2-13
Minority share of S&E bachelor's degrees, by race/ethnicity: Selected years, 1977-2000



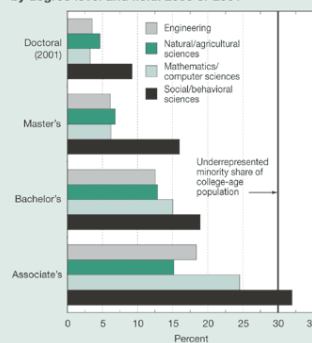
SOURCES: U.S. Department of Education, Completions Survey; and National Science Foundation, Division of Science Resources Statistics, WebCASPAR database system, <http://caspar.nsf.gov>. See appendix table 2-33.
Science & Engineering Indicators - 2004

Figure 2-21
Underrepresented minority S&E doctoral degrees, by race/ethnicity: Selected years, 1977-2001



SOURCE: National Science Foundation, Division of Science Resources Statistics, WebCASPAR database system, <http://caspar.nsf.gov>. See appendix table 2-27.
Science & Engineering Indicators - 2004

Figure 2-10
Underrepresented minority share of S&E degrees, by degree level and field: 2000 or 2001



NOTES: Natural sciences include physical, biological, earth, atmospheric, and ocean sciences. Underrepresented minority includes black, Hispanic, and American Indian/Alaskan Native.
SOURCES: U.S. Department of Education, Completions Survey; and National Science Foundation, Division of Science Resources Statistics, WebCASPAR database system, <http://caspar.nsf.gov>. See appendix tables 2-21, 2-23, 2-25, and 2-27.
Science & Engineering Indicators - 2004

Bachelors, %

Ph.D., Numbers

Diff Degrees, %

URM Age/Salary Distribution

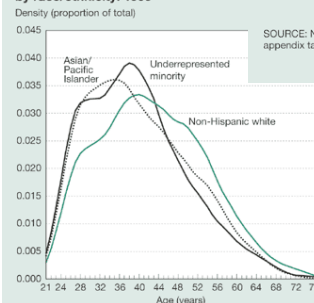
• NSF04

Figure 3-23
Median annual salary of scientists and engineers, by broad occupation and race/ethnicity: 1999



SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT), 1999. See appendix table 3-15.
Science & Engineering Indicators - 2004

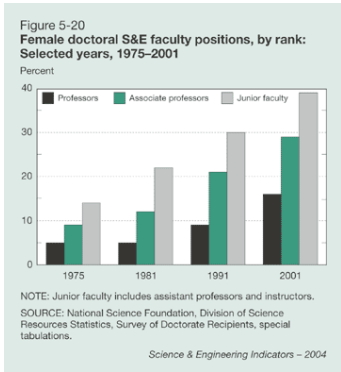
Figure 3-22
Age distribution of individuals in S&E by race/ethnicity: 1999



NOTE: Age distribution is smoothed using kernel density techniques.
SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT), 1999. See appendix table 3-15.
Science & Engineering Indicators - 2004

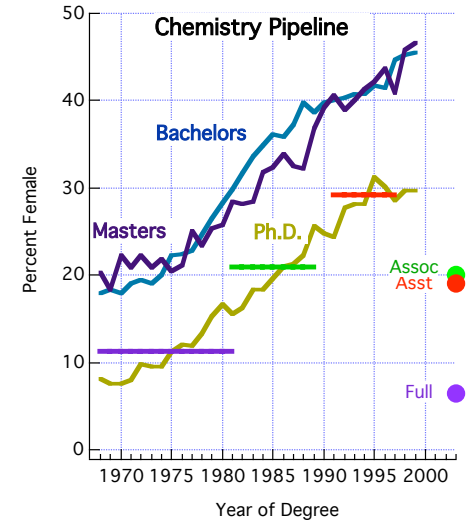
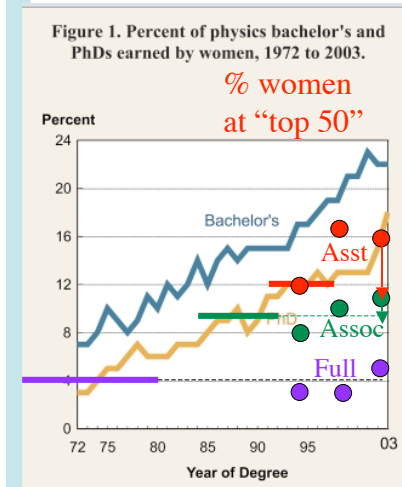
Faculty Rank - women

- NSF04



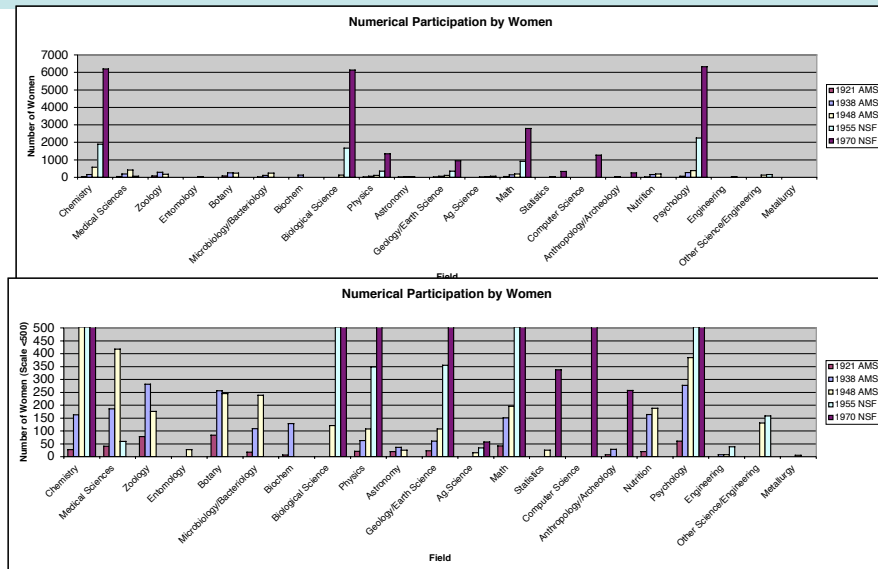
Physics vs. Chemistry Pipeline

- AIP Study on Academic Women in Physics

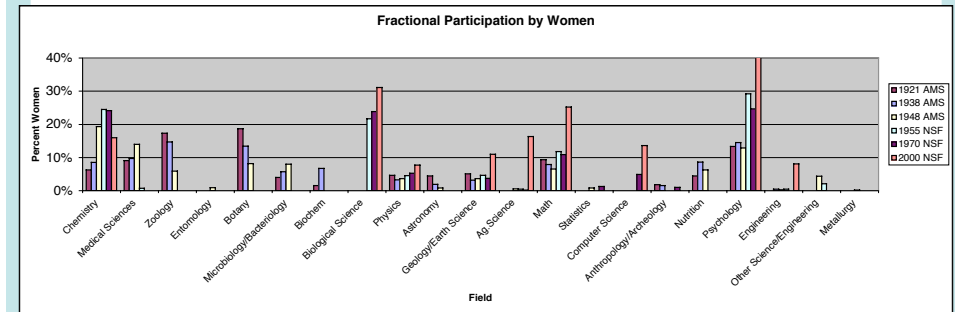


Physics women 2x as likely to be at UG Institutions (14% vs. 7% faculty)

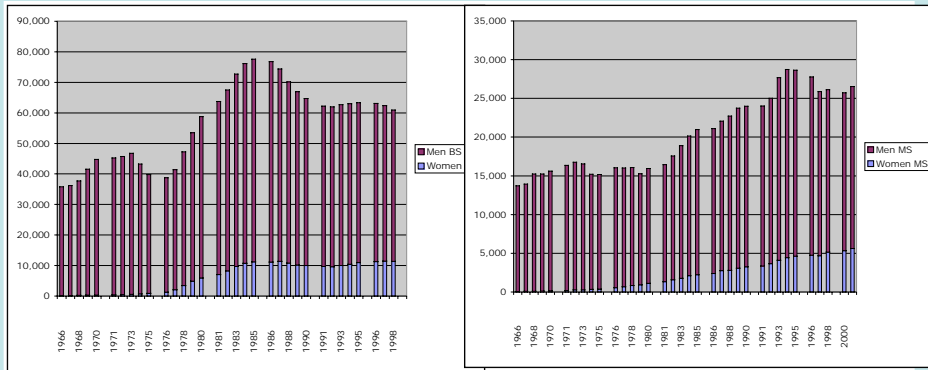
Rossiter Data -1921-1970



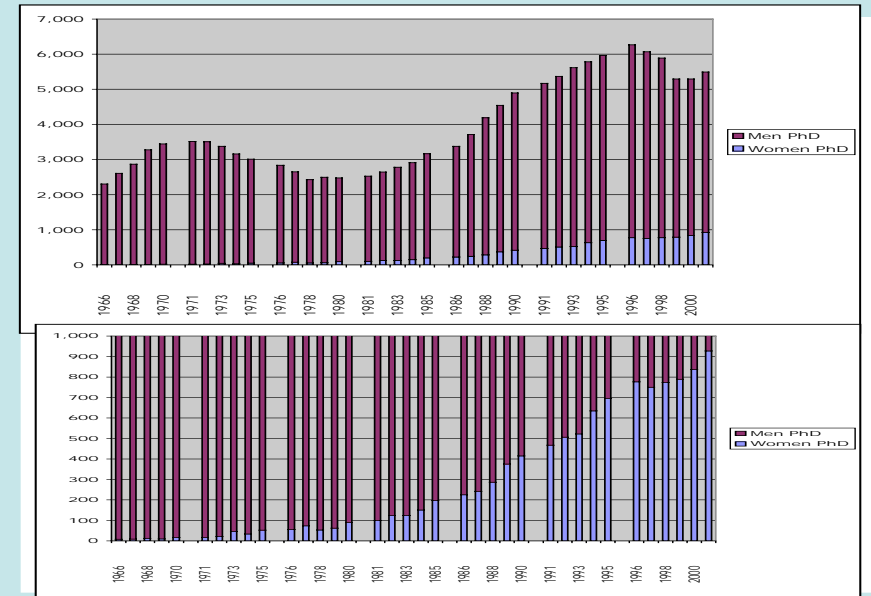
Rossiter + NSF Women in Fields



Engineering Degrees

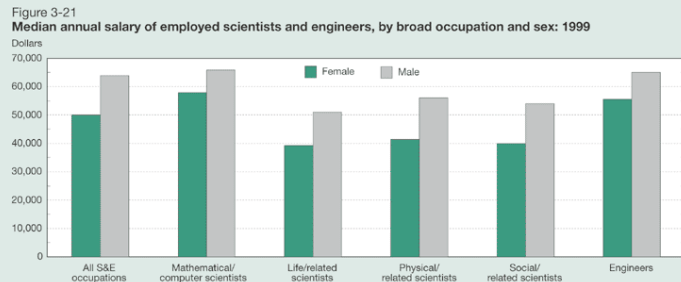


PhD Engineering



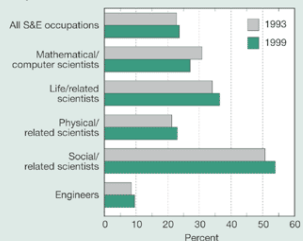
Females in Workforce

- NSF04



al Science Foundation, Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT), 1999. file 3-15.

Figure 3-20
Female employment in S&E occupations, by broad occupation: 1993 and 1999



SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT), 1993 and 1999. See appendix table 3-13.