

**Data Archive 7 -
Percent Women in Detailed STEM Occupations,
1983 to 2002, Annual Averages**

(Numbers in thousands; components may not sum to exact aggregate values due to rounding errors; all aggregates preserved as far as feasible)

STEM FIELDS: TOTAL, WOMEN Occupation	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
All employed persons, 16 years and over	43.7	43.7	44.1	44.4	44.8	45.0	45.2	45.2	45.4	45.6
Managerial and professional specialty occupations	40.9	41.6	42.7	43.4	44.3	44.7	45.2	45.8	46.3	47.3
Professional specialty occupations	48.1	48.5	49.1	49.4	50.1	49.8	50.4	51.1	51.6	52.5
Summary lines:										
All STEM fields combined	18.9	19.9	19.9	20.4	21.3	21.1	22.6	23.3	23.5	23.3
All STEM fields except social sciences	17.0	18.1	18.4	18.6	19.2	19.2	20.7	21.2	21.1	20.9
All STEM fields except science and engineering technicians	18.4	19.4	19.6	20.6	21.7	21.1	23.1	23.6	24.2	23.9
All STEM fields except social scientists and technicians	15.9	17.0	17.6	18.3	19.0	18.6	20.6	21.0	21.2	20.8
Natural scientists, incl. postsecondary teachers, & scientific technicians	23.5	24.9	24.2	23.5	25.2	25.7	27.2	27.6	27.1	29.3
Natural scientists, including postsecondary teachers	20.9	20.0	20.0	21.5	22.5	23.3	26.1	25.5	26.0	26.4
Physicists, astronomers, and postsecondary physics teachers	—	—	—	—	—	—	—	—	—	—
Physicists and astronomers	—	—	—	—	—	—	—	—	—	—
Postsecondary physics teachers	—	—	—	—	—	—	—	—	—	—
Chemists, including postsecondary chemistry teachers	23.3	22.8	20.9	22.3	22.7	23.2	26.9	26.6	30.3	30.8
Chemists, except biochemists	23.5	23.8	20.7	22.8	21.7	23.2	27.9	27.0	29.7	29.8
Postsecondary chemistry teachers	—	—	—	—	—	—	—	—	—	—
Biological and life scientists, including postsecondary teachers	35.8	27.9	30.0	33.3	32.6	35.6	34.4	39.4	37.1	31.3
Biological and life scientists, including biochemists	40.0	30.0	32.8	38.5	38.0	40.0	33.8	40.0	37.4	34.4
Postsecondary biological science teachers	—	—	—	—	—	—	—	—	—	—
Medical scientists, including postsecondary teachers	—	—	—	—	31.5	—	42.4	33.3	32.8	36.4
Medical scientists	—	—	—	—	—	—	—	—	—	40.3
Postsecondary medical science teachers	—	—	—	—	—	—	—	—	—	—
Agricultural and forestry scientists, including postsecondary teachers	9.0	10.2	13.8	13.8	18.0	15.0	20.6	15.1	13.8	19.4
Agricultural and food scientists	—	—	—	—	—	—	—	—	—	—
Forestry and conservation scientists	—	—	—	—	—	—	—	—	—	—
Postsecondary agriculture and forestry teachers	—	—	—	—	—	—	—	—	—	—
Other natural sciences, including postsecondary teachers	16.1	15.1	14.6	16.0	15.9	10.7	18.0	19.1	16.2	16.8
Atmospheric and space scientists	—	—	—	—	—	—	—	—	—	—
Geologists and geodesists	18.5	13.8	15.5	—	—	12.0	15.4	15.4	10.7	11.8
Physical scientists, n.e.c.	—	—	—	—	—	—	—	—	—	—
Postsecondary earth, environmental, and marine science teachers	—	—	—	—	—	—	—	—	—	—
Postsecondary natural science teachers, n.e.c.	—	—	—	—	—	—	—	—	—	—
Science technicians	29.2	35.5	33.2	27.9	31.4	31.0	29.5	31.7	29.6	36.0
Biological technicians	38.5	47.3	42.6	36.4	42.4	41.8	37.3	40.6	38.5	51.3
Chemical technicians	26.8	26.4	25.0	24.4	24.7	27.2	21.6	28.2	25.8	27.3
Science technicians, n.e.c.	25.0	35.6	35.7	27.0	29.2	27.5	31.0	28.1	28.1	31.0

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Percent Women in Detailed STEM Occupations,
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(Numbers in thousands; components may not sum to exact aggregate values due to rounding errors; all aggregates preserved as far as feasible)

STEM FIELDS: TOTAL, WOMEN Occupation	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
All employed persons, 16 years and over	45.7	46.0	46.1	46.2	46.2	46.2	46.5	46.5	46.5	46.6
Managerial and professional specialty occupations	47.8	48.1	48.0	48.6	48.9	49.0	49.5	49.8	50.0	50.5
Professional specialty occupations	53.1	52.7	52.9	53.3	53.3	53.3	53.5	53.9	53.7	54.7
Summary lines:										
All STEM fields combined	24.4	24.2	23.5	23.8	24.1	24.9	24.9	25.5	25.4	26.1
All STEM fields except social sciences	21.8	21.8	20.8	21.3	21.9	22.6	22.6	23.3	23.3	23.7
All STEM fields except science and engineering technicians	24.9	24.4	23.9	23.8	24.3	24.6	25.1	25.6	25.1	25.9
All STEM fields except social scientists and technicians	21.6	21.3	20.5	20.7	21.5	21.9	22.3	22.9	22.5	23.0
Natural scientists, incl. postsecondary teachers, & scientific technicians	31.8	31.6	29.9	31.2	33.3	34.4	33.4	36.0	36.9	38.2
Natural scientists, including postsecondary teachers	29.3	29.3	27.4	28.7	30.5	30.3	30.4	33.7	33.3	34.1
Physicists, astronomers, and postsecondary physics teachers	—	—	—	—	—	—	—	—	—	—
Physicists and astronomers	—	—	—	—	—	—	—	—	—	—
Postsecondary physics teachers	—	—	—	—	—	—	—	—	—	—
Chemists, including postsecondary chemistry teachers	27.2	35.0	32.1	28.4	24.7	33.1	27.7	30.5	30.1	29.3
Chemists, except biochemists	28.4	36.8	32.1	28.9	25.7	33.1	27.2	29.9	30.3	30.0
Postsecondary chemistry teachers	—	—	—	—	—	—	—	—	—	—
Biological and life scientists, including postsecondary teachers	39.6	35.5	33.8	37.2	43.6	38.1	43.3	45.6	42.6	41.6
Biological and life scientists, including biochemists	40.9	36.7	31.8	38.8	44.3	38.5	44.0	45.7	44.9	43.7
Postsecondary biological science teachers	—	—	—	—	—	—	—	—	—	—
Medical scientists, including postsecondary teachers	42.3	40.0	38.4	44.3	41.7	41.0	42.7	46.6	47.4	56.9
Medical scientists	45.8	46.8	41.0	49.3	46.8	45.8	45.0	49.4	48.5	60.7
Postsecondary medical science teachers	—	—	—	—	—	—	—	—	—	—
Agricultural and forestry scientists, including postsecondary teachers	22.9	21.3	16.2	20.0	27.8	22.1	19.7	27.7	19.4	24.7
Agricultural and food scientists	—	—	—	—	—	—	—	28.3	—	35.3
Forestry and conservation scientists	—	—	—	—	—	—	—	—	—	—
Postsecondary agriculture and forestry teachers	—	—	—	—	—	—	—	—	—	—
Other natural sciences, including postsecondary teachers	19.3	18.6	19.0	16.8	22.3	18.8	18.5	24.0	27.5	26.1
Atmospheric and space scientists	—	—	—	—	—	—	—	—	—	—
Geologists and geodesists	14.8	14.0	15.0	—	18.6	11.1	5.4	—	—	—
Physical scientists, n.e.c.	—	—	—	—	—	—	33.3	30.9	—	—
Postsecondary earth, environmental, and marine science teachers	—	—	—	—	—	—	—	—	—	—
Postsecondary natural science teachers, n.e.c.	—	—	—	—	—	—	—	—	—	—
Science technicians	37.5	36.8	35.5	37.6	39.4	43.2	40.6	41.8	45.4	47.4
Biological technicians	59.3	52.8	50.0	58.2	57.5	68.5	64.2	59.6	62.2	59.5
Chemical technicians	25.7	26.0	21.4	26.9	22.4	21.3	29.1	21.1	26.1	32.8
Science technicians, n.e.c.	27.9	31.0	33.3	28.7	34.4	33.3	26.9	35.5	37.4	39.6

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1983 to 2002, Annual Averages**

(Numbers in thousands; components may not sum to exact aggregate values due to rounding errors; all aggregates preserved as far as feasible)

STEM FIELDS: TOTAL, WOMEN Occupation	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Mathematical and computer scientists, plus programmers and postsecondary mathematics and computer science teachers	30.7	32.9	32.6	34.9	34.9	32.4	35.2	35.9	35.7	33.4
Computer systems analysts and scientists, plus programmers and postsecondary computer science teachers	30.5	33.2	31.9	34.3	34.4	30.7	33.8	35.0	33.7	31.1
Computer systems analysts and scientists	27.9	30.0	28.1	34.5	32.2	29.4	32.5	34.5	33.6	29.5
Computer programmers	32.5	35.3	34.3	34.1	36.6	32.1	35.3	36.0	33.9	33.1
Postsecondary computer science teachers	—	—	—	—	—	—	—	—	—	—
Operations and systems researchers and analysts	31.0	31.4	34.8	39.5	37.6	39.5	41.0	41.3	43.3	45.3
Actuaries	—	—	—	—	—	—	—	—	—	—
Statisticians	—	—	—	—	—	—	—	—	—	—
Mathematical scientists, n.e.c.	—	—	—	—	—	—	—	—	—	—
Postsecondary mathematical science teachers	—	—	28.0	—	—	—	31.5	29.4	36.0	—
Engineers and surveyors, including postsecondary teachers, and engineering technicians	10.0	10.3	10.6	10.0	10.3	11.1	11.4	11.9	11.6	11.5
Engineers and surveyors, including postsecondary teachers	5.8	6.2	6.7	6.0	6.9	7.3	7.5	7.9	8.2	8.5
Engineers, including postsecondary teachers	5.9	6.3	6.8	6.0	7.0	7.3	7.6	8.0	8.2	8.5
Aerospace engineers	7.5	3.8	4.2	7.5	7.7	6.1	3.6	7.3	8.8	6.8
Metallurgical and materials engineers	—	—	—	—	—	—	—	—	—	—
Mining engineers	—	—	—	—	—	—	—	—	—	—
Petroleum engineers	—	—	—	—	—	—	—	—	—	—
Chemical engineers	6.0	8.9	9.4	8.5	11.1	12.3	14.9	11.4	9.9	5.6
Nuclear engineers	—	—	—	—	—	—	—	—	—	—
Civil engineers	3.8	6.3	4.5	2.6	4.3	6.0	5.6	5.1	5.8	7.8
Agricultural engineers	—	—	—	—	—	—	—	—	—	—
Electrical and electronic engineers	6.2	7.1	8.3	6.9	7.2	7.9	8.4	8.7	8.7	8.5
Industrial engineers	11.0	9.4	10.7	10.8	13.6	12.7	11.6	11.8	13.5	14.2
Mechanical engineers	2.7	4.9	3.7	3.5	4.3	3.7	4.8	5.4	4.8	5.3
Marine engineers and naval architects	—	—	—	—	—	—	—	—	—	—
Engineers, n.e.c., including sales engineers (from 1992 onward)	4.7	4.7	6.5	5.2	5.9	7.0	8.0	8.8	10.3	10.6
Postsecondary engineering teachers	—	—	—	—	—	—	—	—	—	—
Surveyors and mapping scientists	—	—	—	—	—	—	—	—	—	—
Engineering and related technologists and technicians	18.4	18.3	18.0	17.7	17.1	18.8	19.2	19.8	18.5	17.5
Electrical and electronic technicians	12.3	13.9	13.2	12.5	14.4	14.3	14.1	15.4	13.6	12.0
Industrial engineering technicians	—	—	—	—	—	—	—	—	—	—
Mechanical engineering technicians	—	—	—	—	—	—	—	—	—	—
Drafting occupations	17.6	15.4	17.5	19.4	15.9	16.2	20.6	18.9	17.3	19.1
Surveying and mapping technicians	—	11.7	9.4	10.0	6.2	12.8	11.4	5.3	10.3	8.2
Engineering technicians, n.e.c.	28.1	31.0	28.8	25.8	26.6	31.3	26.3	32.1	28.7	25.9

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Mathematical and computer scientists, plus programmers and postsecondary mathematics and computer science teachers	32.3	32.5	31.4	30.5	30.3	29.2	30.0	30.3	29.4	29.9
Computer systems analysts and scientists, plus programmers and postsecondary computer science teachers	30.8	30.7	29.7	29.0	29.0	27.5	27.9	28.5	27.2	27.2
Computer systems analysts and scientists	29.8	31.3	29.5	28.1	28.6	26.9	28.5	29.2	27.2	27.8
Computer programmers	31.6	29.3	29.5	30.8	30.0	28.4	26.3	26.6	27.0	25.6
Postsecondary computer science teachers	—	—	—	—	—	—	—	—	—	—
Operations and systems researchers and analysts	39.6	41.4	39.2	42.6	40.8	42.0	46.5	45.2	47.2	48.7
Actuaries	—	—	—	—	—	—	—	—	—	—
Statisticians	—	—	—	—	—	—	—	—	—	—
Mathematical scientists, n.e.c.	—	—	—	—	—	—	—	—	—	—
Postsecondary mathematical science teachers	—	—	—	25.5	—	—	—	—	—	—
Engineers and surveyors, including postsecondary teachers, and engineering technicians	11.7	12.0	11.4	12.3	12.4	14.2	13.2	13.2	13.6	13.9
Engineers and surveyors, including postsecondary teachers	8.7	8.4	8.6	8.8	9.7	11.2	10.6	9.8	10.2	10.7
Engineers, including postsecondary teachers	8.8	8.5	8.5	8.7	9.7	11.2	10.6	9.9	10.3	10.8
Aerospace engineers	7.3	14.7	5.1	5.0	4.6	8.1	11.4	9.1	8.1	7.8
Metallurgical and materials engineers	—	—	—	—	—	—	—	—	—	—
Mining engineers	—	—	—	—	—	—	—	—	—	—
Petroleum engineers	—	—	—	—	—	—	—	—	—	—
Chemical engineers	10.3	7.1	11.3	14.7	17.4	15.9	15.9	10.6	12.0	16.9
Nuclear engineers	—	—	—	—	—	—	—	—	—	—
Civil engineers	9.5	8.3	7.4	7.0	7.7	12.2	9.4	9.6	10.5	10.9
Agricultural engineers	—	—	—	—	—	—	—	—	—	—
Electrical and electronic engineers	7.7	6.7	8.7	8.0	9.2	9.1	10.2	9.9	9.7	10.3
Industrial engineers	16.4	14.7	14.8	13.2	16.3	18.3	16.9	15.4	17.4	17.0
Mechanical engineers	5.4	5.3	4.5	6.9	6.0	6.9	7.1	6.4	6.2	7.0
Marine engineers and naval architects	—	—	—	—	—	—	—	—	—	—
Engineers, n.e.c., including sales engineers (from 1992 onward)	8.5	10.5	8.6	7.1	10.0	13.3	10.9	10.3	10.4	9.8
Postsecondary engineering teachers	—	—	—	—	—	—	—	—	—	—
Surveyors and mapping scientists	—	—	—	—	—	—	—	—	—	—
Engineering and related technologists and technicians	17.8	19.5	17.8	19.9	18.5	20.8	19.0	20.5	21.0	20.8
Electrical and electronic technicians	15.4	15.2	11.1	12.7	14.3	16.9	14.4	17.2	18.5	19.2
Industrial engineering technicians	—	—	—	—	—	—	—	—	—	—
Mechanical engineering technicians	—	—	—	—	—	—	—	—	—	—
Drafting occupations	18.3	19.7	18.3	21.0	16.7	19.3	18.3	23.3	20.0	21.5
Surveying and mapping technicians	5.5	7.4	12.9	12.3	10.5	12.7	10.4	7.6	13.2	9.2
Engineering technicians, n.e.c.	24.9	27.0	27.8	33.5	30.5	33.5	31.6	30.6	30.1	27.8

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STEM FIELDS: TOTAL, WOMEN Occupation	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Social scientists and urban planners, incl. postsecondary teachers	40.5	40.7	38.5	42.4	45.4	42.4	44.5	47.4	49.4	49.8
Psychologists, including postsecondary teachers	55.0	51.3	48.5	51.1	52.9	54.2	52.2	56.7	59.2	59.9
Psychologists	57.0	54.7	50.7	52.7	54.4	56.1	53.8	58.4	60.3	62.2
Postsecondary psychology teachers	—	—	—	—	—	—	—	—	—	—
Economists, including postsecondary teachers	33.3	34.1	31.9	38.6	37.8	32.6	39.1	41.4	41.6	40.6
Economists	37.8	39.1	34.3	39.6	40.7	35.3	41.8	43.9	45.7	43.4
Postsecondary economics teachers	—	—	—	—	—	—	—	—	—	—
Sociologists, including postsecondary teachers	—	—	—	—	—	—	—	—	—	—
Sociologists	—	—	—	—	—	—	—	—	—	—
Postsecondary sociology teachers	—	—	—	—	—	—	—	—	—	—
Other social scientists, including postsecondary teachers	20.0	28.6	25.4	29.5	39.1	25.4	30.9	29.4	31.9	36.2
Urban planners	—	—	—	—	—	—	—	—	—	—
Social scientists, n.e.c.	—	—	—	—	—	—	—	—	—	—
Postsecondary history teachers	—	—	—	—	—	—	—	—	—	—
Postsecondary political science teachers	—	—	—	—	—	—	—	—	—	—
Postsecondary social science teachers, n.e.c.	—	—	—	—	—	—	—	—	—	—

Note: Dashes indicate data are not available.
n.e.c. = not elsewhere classified

Source: Current Population Survey, Bureau of Labor Statistics

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STEM FIELDS: TOTAL, WOMEN Occupation	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Social scientists and urban planners, incl. postsecondary teachers	53.2	50.0	52.2	51.5	50.8	51.7	53.2	53.3	53.1	56.0
Psychologists, including postsecondary teachers	62.9	58.4	59.2	58.8	58.0	62.0	62.3	62.3	59.9	64.8
Psychologists	64.0	58.6	59.2	61.2	59.4	62.1	64.7	64.4	60.9	65.7
Postsecondary psychology teachers	—	—	—	—	—	—	—	—	—	—
Economists, including postsecondary teachers	44.3	41.1	46.7	50.0	47.4	43.4	45.7	47.2	47.1	51.5
Economists	47.9	47.2	50.7	54.7	52.6	46.7	51.1	53.2	51.9	55.3
Postsecondary economics teachers	—	—	—	—	—	—	—	—	—	—
Sociologists, including postsecondary teachers	—	—	—	—	—	—	—	—	—	—
Sociologists	—	—	—	—	—	—	—	—	—	—
Postsecondary sociology teachers	—	—	—	—	—	—	—	—	—	—
Other social scientists, including postsecondary teachers	36.2	34.9	37.9	32.9	35.4	39.6	34.9	34.9	42.9	35.2
Urban planners	—	—	—	—	—	—	—	—	—	—
Social scientists, n.e.c.	—	—	—	—	—	—	—	—	—	—
Postsecondary history teachers	—	—	—	—	—	—	—	—	—	—
Postsecondary political science teachers	—	—	—	—	—	—	—	—	—	—
Postsecondary social science teachers, n.e.c.	—	—	—	—	—	—	—	—	—	—

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n.e.c. = not elsewhere classified

Source: Current Population Survey, Bureau of Labor Statistics