

**Data Archive 6 -
Employed Women by 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	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993
All employed persons, 16 years and over	63,582	63,737	63,586	62,042	60,771	59,873	58,501	57,523	56,610	54,910
Managerial and professional specialty occupations	21,445	21,145	20,569	20,021	19,070	18,437	17,754	16,940	16,264	15,419
Professional specialty occupations	11,999	11,696	11,514	11,181	10,602	10,267	9,987	9,593	9,250	8,978
Summary lines:										
All STEM fields combined	1,894	1,933	1,940	1,809	1,735	1,619	1,508	1,447	1,472	1,402
All STEM fields except social sciences	1,596	1,647	1,643	1,514	1,460	1,349	1,239	1,169	1,208	1,145
All STEM fields except science and engineering technicians	1,552	1,584	1,619	1,505	1,410	1,328	1,233	1,192	1,195	1,147
All STEM fields except social scientists and technicians	1,254	1,298	1,322	1,210	1,135	1,058	964	914	931	890
Natural scientists, incl. postsecondary teachers & scientific technicians	357	365	345	326	308	302	271	266	281	283
Natural scientists, including postsecondary teachers	219	231	231	207	185	189	179	168	183	184
Physicists, astronomers, and postsecondary physics teachers	2	4	8	8	5	6	3	6	3	4
Physicists and astronomers	1	2	3	4	3	4	2	4	3	3
Postsecondary physics teachers	1	2	5	4	2	2	1	2	0	1
Chemists, including postsecondary chemistry teachers	43	56	54	43	49	39	46	51	57	43
Chemists, except biochemists	39	50	47	37	44	37	43	45	53	38
Postsecondary chemistry teachers	4	6	7	6	5	2	3	6	4	5
Biological and life scientists, including postsecondary teachers	62	69	68	65	53	58	55	49	54	59
Biological and life scientists, including biochemists	52	57	53	48	40	47	45	35	44	47
Postsecondary biological science teachers	10	12	15	17	13	11	10	14	10	12
Medical scientists, including postsecondary teachers	62	55	48	50	41	40	43	28	30	41
Medical scientists	54	49	43	45	38	36	36	25	29	38
Postsecondary medical science teachers	8	6	5	5	3	4	7	3	1	3
Agricultural and forestry scientists, incl. postsecondary teachers	20	13	23	15	15	20	13	11	17	16
Agricultural and food scientists	18	7	15	11	9	11	9	9	13	9
Forestry and conservation scientists	1	5	6	3	6	6	4	2	3	6
Postsecondary agriculture and forestry teachers	1	1	2	1	0	3	0	0	1	1
Other natural sciences, including postsecondary teachers	30	33	30	25	22	27	19	23	21	22
Atmospheric and space scientists	0	2	3	1	3	4	3	2	2	1
Geologists and geodesists	9	12	6	3	7	11	8	9	8	8
Physical scientists, n.e.c.	18	15	17	21	11	9	7	11	10	12
Postsecondary earth, environmental, and marine science teachers	2	3	3	0	1	3	0	1	1	1
Postsecondary natural science teachers, n.e.c.	1	1	1	-	0	0	1	0	-	0
Science technicians	138	134	114	119	123	113	92	98	98	99
Biological technicians	78	79	65	68	74	61	46	48	47	51
Chemical technicians	21	18	15	23	16	19	21	18	20	19
Science technicians, n.e.c.	38	37	33	29	34	33	25	32	31	29

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All employed persons, 16 years and over	54,052	53,496	53,689	53,027	51,696	50,334	48,706	47,259	45,915	44,047
Managerial and professional specialty occupations	14,698	14,311	14,001	13,746	13,050	12,286	11,525	11,049	10,329	9,659
Professional specialty occupations	8,588	8,265	8,071	7,842	7,460	7,232	6,872	6,699	6,440	6,169
Summary lines:										
All STEM fields combined	1,300	1,325	1,307	1,233	1,110	1,065	1,026	960	914	830
All STEM fields except social sciences	1,068	1,093	1,100	1,035	931	884	864	822	768	691
All STEM fields except science and engineering technicians	1,051	1,077	1,034	989	868	848	802	727	686	620
All STEM fields except social scientists and technicians	819	845	827	791	689	667	640	589	540	481
Natural scientists, incl. postsecondary teachers & scientific technicians	232	210	199	189	176	169	157	162	157	150
Natural scientists, including postsecondary teachers	145	138	122	125	109	105	99	92	86	91
Physicists, astronomers, and postsecondary physics teachers	4	3	2	2	3	2	3	2	3	4
Physicists and astronomers	3	2	2	2	2	2	2	2	2	3
Postsecondary physics teachers	1	1	0	0	1	0	1	0	1	1
Chemists, including postsecondary chemistry teachers	44	43	37	36	32	30	31	27	26	27
Chemists, except biochemists	36	38	34	34	29	26	28	23	24	23
Postsecondary chemistry teachers	8	5	3	2	3	4	3	4	2	4
Biological and life scientists, including postsecondary teachers	40	49	39	33	36	31	30	27	24	29
Biological and life scientists, including biochemists	33	37	30	26	30	27	25	21	18	22
Postsecondary biological science teachers	7	12	9	7	6	4	5	6	6	7
Medical scientists, including postsecondary teachers	28	19	19	25	19	17	14	14	13	11
Medical scientists	27	17	15	21	16	15	11	10	11	8
Postsecondary medical science teachers	1	2	4	4	3	2	3	4	2	3
Agricultural and forestry scientists, incl. postsecondary teachers	12	8	8	13	9	11	9	9	6	6
Agricultural and food scientists	6	5	5	8	5	8	6	6	4	4
Forestry and conservation scientists	5	2	3	5	4	3	3	3	1	1
Postsecondary agriculture and forestry teachers	1	1	0	0	0	0	0	0	1	1
Other natural sciences, including postsecondary teachers	17	16	17	16	9	13	13	13	14	15
Atmospheric and space scientists	0	2	1	2	0	2	2	1	1	0
Geologists and geodesists	6	6	8	8	6	6	7	9	8	12
Physical scientists, n.e.c.	9	6	7	5	2	4	3	3	3	1
Postsecondary earth, environmental, and marine science teachers	2	1	1	1	1	1	1	0	2	2
Postsecondary natural science teachers, n.e.c.	0	1	0	0	0	0	0	0	0	0
Science technicians	87	72	77	64	67	64	58	70	71	59
Biological technicians	41	25	28	22	23	25	20	23	26	20
Chemical technicians	21	23	24	16	22	18	19	22	19	22
Science technicians, n.e.c.	26	25	25	26	22	21	20	25	26	17

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STEM FIELDS: TOTAL, WOMEN Occupation	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993
Mathematical and computer scientists, plus programmers and postsecondary mathematics and computer science teachers	808	843	875	773	709	664	603	572	584	550
Computer systems analysts and scientists, plus programmers and postsecondary computer science teachers	646	690	729	623	579	547	485	449	456	422
Computer systems analysts and scientists	484	500	534	442	396	354	307	275	287	230
Computer programmers	155	180	189	175	174	188	173	163	161	184
Postsecondary computer science teachers	7	10	6	6	9	5	5	11	8	8
Operations and systems researchers and analysts	116	110	103	112	89	82	89	85	92	93
Actuaries	8	9	7	8	9	6	6	5	6	5
Statisticians	15	16	16	13	10	10	9	14	12	12
Mathematical scientists, n.e.c.	1	1	2	–	1	3	1	3	2	0
Postsecondary mathematical science teachers	21	16	17	17	21	17	13	16	16	18
Engineers and surveyors, including postsecondary teachers, and engineering technicians	431	439	423	415	443	383	365	331	343	312
Engineers and surveyors, including postsecondary teachers	227	224	216	230	241	205	182	174	164	156
Engineers, including postsecondary teachers	225	223	216	229	240	203	178	171	163	155
Aerospace engineers	7	7	7	9	7	4	4	4	11	6
Metallurgical and materials engineers	3	2	2	2	5	3	3	2	1	3
Mining engineers	–	–	–	1	1	0	1	–	–	0
Petroleum engineers	2	1	2	1	2	1	0	1	1	1
Chemical engineers	13	9	9	13	11	16	14	9	4	6
Nuclear engineers	–	0	1	1	0	1	1	1	1	1
Civil engineers	29	31	28	27	36	19	17	17	20	21
Agricultural engineers	–	–	0	0	–	0	–	–	–	0
Electrical and electronic engineers	70	72	73	65	57	60	48	53	37	41
Industrial engineers	40	45	38	44	48	42	34	37	36	33
Mechanical engineers	21	21	22	24	23	21	24	15	18	16
Marine engineers and naval architects	2	–	–	–	0	0	1	0	–	0
Engineers, n.e.c., including sales engineers (from 1992 onward)	34	30	30	37	42	29	21	26	30	23
Postsecondary engineering teachers	4	4	4	5	8	6	9	6	4	5
Surveyors and mapping scientists	2	1	0	1	1	2	4	3	1	1
Engineering and related technologists and technicians	204	215	207	185	202	178	183	157	179	156
Electrical and electronic technicians	83	90	81	63	73	56	46	37	48	46
Industrial engineering technicians	3	3	2	0	3	2	1	0	2	0
Mechanical engineering technicians	0	1	1	4	1	2	1	3	4	1
Drafting occupations	53	45	51	43	44	37	49	42	47	45
Surveying and mapping technicians	6	9	6	7	9	8	9	8	5	4
Engineering technicians, n.e.c.	58	66	66	68	71	74	77	65	73	60

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Mathematical and computer scientists, plus programmers and postsecondary mathematics and computer science teachers	518	552	553	525	445	439	433	381	349	295
Computer systems analysts and scientists, plus programmers and postsecondary computer science teachers	393	421	430	388	329	339	326	290	275	223
Computer systems analysts and scientists	205	228	210	184	141	144	133	101	93	77
Computer programmers	183	187	216	198	183	193	187	183	179	144
Postsecondary computer science teachers	5	6	4	6	5	2	6	6	3	2
Operations and systems researchers and analysts	87	87	88	98	83	74	77	57	44	44
Actuaries	8	9	7	7	3	4	4	3	4	4
Statisticians	11	14	12	13	15	10	14	16	11	11
Mathematical scientists, n.e.c.	1	3	1	2	2	1	1	1	2	1
Postsecondary mathematical science teachers	16	18	15	17	13	11	12	14	13	12
Engineers and surveyors, including postsecondary teachers, and engineering technicians	318	331	348	321	310	276	274	279	262	246
Engineers and surveyors, including postsecondary teachers	156	155	152	141	135	123	108	116	105	95
Engineers, including postsecondary teachers	155	155	151	141	134	122	107	116	105	94
Aerospace engineers	6	9	8	4	7	8	7	4	3	6
Metallurgical and materials engineers	2	1	2	1	1	2	2	1	2	1
Mining engineers	0	0	0	1	0	0	1	0	0	0
Petroleum engineers	1	1	3	2	0	1	2	1	1	3
Chemical engineers	4	8	8	10	8	7	5	6	5	4
Nuclear engineers	1	1	1	1	0	0	0	0	1	0
Civil engineers	17	13	12	14	13	9	6	10	14	8
Agricultural engineers	0	0	0	0	0	0	0	0	1	0
Electrical and electronic engineers	45	49	51	48	45	39	38	45	35	28
Industrial engineers	29	27	24	23	28	30	22	19	18	23
Mechanical engineers	16	15	17	15	11	12	10	10	13	7
Marine engineers and naval architects	0	0	0	0	1	0	0	1	0	0
Engineers, n.e.c., including sales engineers (from 1992 onward)	32	30	24	19	16	13	12	14	10	9
Postsecondary engineering teachers	3	2	2	3	2	2	2	3	4	3
Surveyors and mapping scientists	1	0	1	0	1	1	1	0	0	1
Engineering and related technologists and technicians	162	176	196	180	175	153	166	163	157	151
Electrical and electronic technicians	40	48	55	46	46	44	41	40	38	32
Industrial engineering technicians	1	3	2	2	2	1	2	1	3	3
Mechanical engineering technicians	2	2	2	3	0	2	0	2	0	1
Drafting occupations	49	46	54	61	47	45	55	52	47	48
Surveying and mapping technicians	6	7	4	8	10	5	8	6	7	5
Engineering technicians, n.e.c.	64	70	79	60	70	57	59	63	62	62

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STEM FIELDS: TOTAL, WOMEN Occupation	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993
Social scientists and urban planners, incl. postsecondary teachers	298	286	297	295	275	270	269	278	264	257
Psychologists, including postsecondary teachers	193	173	185	185	163	163	157	170	173	163
Psychologists	182	165	172	172	144	152	150	154	164	153
Postsecondary psychology teachers	11	8	13	13	19	11	7	16	9	10
Economists, including postsecondary teachers	70	73	76	75	69	74	84	78	53	62
Economists	68	70	75	72	64	71	81	75	50	56
Postsecondary economics teachers	2	3	1	3	5	3	3	3	3	6
Sociologists, including postsecondary teachers	4	4	6	5	5	5	4	6	7	6
Sociologists	0	1	0	1	1	2	2	3	1	1
Postsecondary sociology teachers	4	3	6	4	4	3	2	3	6	5
Other social scientists, including postsecondary teachers	31	36	29	29	38	29	24	25	30	25
Urban planners	7	8	5	4	5	5	4	3	8	3
Social scientists, n.e.c.	15	18	14	19	21	13	12	12	12	13
Postsecondary history teachers	3	5	6	4	6	8	5	4	2	4
Postsecondary political science teachers	2	2	3	1	2	1	2	2	2	2
Postsecondary social science teachers, n.e.c.	4	3	1	1	4	2	1	4	6	3

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	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983
Social scientists and urban planners, incl. postsecondary teachers	232	232	207	198	179	181	162	138	146	139
Psychologists, including postsecondary teachers	145	148	127	119	117	100	92	82	81	83
Psychologists	138	138	122	113	110	93	87	76	75	77
Postsecondary psychology teachers	7	10	5	6	7	7	5	6	6	6
Economists, including postsecondary teachers	58	57	55	54	44	51	49	37	44	41
Economists	53	53	50	51	41	46	44	35	43	37
Postsecondary economics teachers	5	4	5	3	3	5	5	2	1	4
Sociologists, including postsecondary teachers	3	5	4	3	4	5	4	2	2	3
Sociologists	0	1	1	1	1	1	1	0	0	1
Postsecondary sociology teachers	3	4	3	2	3	4	3	2	2	2
Other social scientists, including postsecondary teachers	25	23	20	21	15	25	18	16	18	12
Urban planners	3	3	5	7	5	6	5	4	3	2
Social scientists, n.e.c.	13	11	8	9	7	8	7	6	8	5
Postsecondary history teachers	5	5	4	1	2	6	4	3	3	2
Postsecondary political science teachers	3	3	2	3	1	3	0	1	2	1
Postsecondary social science teachers, n.e.c.	1	1	1	1	0	2	2	2	2	2

Note: Dashes indicate data are not available.

n.e.c. = not elsewhere classified

Source: Current Population Survey, Bureau of Labor Statistics