

TABLE H-8. Employed S&E doctorate holders, by occupation, race/ethnicity and sex: 2001

Occupation	All races/ethnicities			White			Asian/Pacific Islander			Black			Hispanic			American Indian/ Alaskan Native		
	Total	Female	Male	Total	Female	Male	Total	Female	Male	Total	Female	Male	Total	Female	Male	Total	Female	Male
	Number of doctorate holders																	
All occupations	574,890	147,110	427,770	454,940	117,240	337,710	87,770	18,600	69,170	15,050	5,730	9,320	15,020	4,940	10,080	1,840	500	1,330
S&E occupations	427,740	105,400	322,330	334,210	83,060	251,160	70,010	14,730	55,280	9,980	3,420	6,560	11,920	3,790	8,130	1,390	340	1,040
Scientists	352,320	99,320	252,990	283,850	79,110	204,760	48,130	12,990	35,140	8,780	3,280	5,490	10,140	3,560	6,580	1,220	S	900
Computer and information scientists	34,660	4,720	29,950	21,950	2,780	19,170	11,340	1,790	9,560	600	80	530	710	80	640	S	S	S
Computer/information	28,300	3,810	24,500	17,220	2,070	15,160	10,020	1,630	8,400	430	S	390	570	70	500	S	S	S
Postsecondary teachers	6,360	910	5,450	4,720	710	4,010	1,320	160	1,160	170	S	140	140	S	140	S	S	S
Life and related scientists	107,850	32,210	75,640	85,150	24,340	60,810	17,240	5,930	11,310	2,150	770	1,390	3,000	1,060	1,940	280	80	200
Agricultural and food	8,780	1,430	7,350	6,930	1,040	5,890	1,160	220	930	250	S	220	400	130	260	50	S	S
Biological and medical	61,880	21,030	40,850	45,740	14,860	30,880	13,150	5,050	8,110	1,060	410	660	1,730	640	1,090	180	60	120
Environmental life	1,120	210	910	1,060	190	870	S	S	S	S	S	S	S	S	S	S	S	S
Postsecondary teachers	36,070	9,540	26,530	31,430	8,260	23,170	2,920	660	2,270	840	320	510	840	290	550	S	S	S
Mathematical scientists	21,900	4,460	17,450	16,880	3,050	13,840	3,810	1,090	2,710	550	200	350	610	110	510	50	S	S
Mathematicians	8,520	2,150	6,370	6,020	1,350	4,680	2,080	650	1,430	250	110	130	140	S	120	S	S	S
Postsecondary teachers	13,390	2,310	11,080	10,860	1,700	9,160	1,730	440	1,280	300	80	210	470	80	390	S	S	S
Physical and related scientists	73,840	10,280	63,560	59,870	7,600	52,270	10,660	2,200	8,460	1,190	180	1,010	1,840	270	1,570	240	S	220
Chemists (excluding biochemists)	24,220	3,860	20,360	17,820	2,410	15,410	5,380	1,290	4,090	450	70	380	540	90	460	S	S	S
Earth scientists, geologists, and oceanographers	8,910	980	7,940	7,580	820	6,770	1,010	140	870	60	S	60	230	S	220	S	S	S
Physicists and astronomers	13,960	1,080	12,870	11,610	720	10,890	1,940	310	1,630	90	S	80	270	S	240	S	S	S
Postsecondary teachers	25,620	4,190	21,430	21,860	3,530	18,330	2,220	430	1,790	580	80	500	780	130	650	150	S	140
Other	1,140	170	970	1,000	130	870	120	S	90	S	S	S	S	S	S	S	S	S
Psychologists	66,860	33,280	33,590	60,450	29,300	31,150	1,480	920	510	2,280	1,410	870	2,260	1,430	840	370	170	200
Postsecondary teachers	17,020	7,320	9,700	15,010	6,190	8,820	480	270	210	790	500	290	640	340	290	80	S	60
Psychologists	49,840	25,960	23,890	45,440	23,110	22,330	1,000	700	300	1,490	910	580	1,630	1,080	550	290	150	130
Social scientists	47,200	14,380	32,820	39,560	12,030	27,530	3,610	990	2,540	2,010	660	1,360	1,710	630	1,090	250	S	220
Economists	7,520	1,720	5,800	5,970	1,390	4,590	1,050	260	790	140	S	120	350	50	300	S	S	S
Political	1,430	330	1,100	1,170	250	920	70	S	S	50	S	S	100	S	60	50	S	50
Postsecondary teachers	32,100	9,290	22,800	26,970	7,740	19,240	2,240	570	1,670	1,540	470	1,080	1,100	470	630	190	S	170
Sociologists and anthropologists	3,800	1,890	1,900	3,370	1,630	1,740	100	80	S	190	120	70	140	60	70	S	S	S
Other	2,360	1,140	1,220	2,080	1,020	1,060	150	80	80	90	S	60	S	S	S	S	S	S
Engineers	75,420	6,080	69,340	50,360	3,950	46,400	21,880	1,740	20,140	1,200	140	1,070	1,780	230	1,550	170	S	140
Aerospace and related	4,280	250	4,030	3,270	170	3,100	880	S	840	S	S	S	90	S	60	S	S	S

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Occupation	All races/ethnicities			White			Asian/Pacific Islander			Black			Hispanic			American Indian/ Alaskan Native		
	Total	Female	Male	Total	Female	Male	Total	Female	Male	Total	Female	Male	Total	Female	Male	Total	Female	Male
Number of doctorate holders																		
Chemical	7,980	850	7,130	4,930	540	4,390	2,750	290	2,460	110	S	100	180	S	180	S	S	S
Civil	4,000	220	3,790	2,660	200	2,460	1,080	S	1,070	100	S	100	150	S	150	S	S	S
Electrical and related	16,110	1,060	15,060	9,520	460	9,060	6,060	540	5,520	210	S	190	290	S	250	S	S	S
Industrial	1,330	250	1,080	850	140	710	440	80	350	S	S	S	S	S	S	S	S	S
Mechanical	8,320	370	7,950	5,110	210	4,900	3,010	150	2,860	100	S	90	90	S	90	S	S	S
Postsecondary teachers	16,870	1,230	15,640	12,500	1,000	11,500	3,250	140	3,110	490	S	440	550	S	510	60	S	60
Other	16,530	1,870	14,660	11,530	1,240	10,290	4,410	480	3,930	140	S	90	410	90	310	S	S	S
Non-S&E occupations	147,150	41,710	105,440	120,730	34,180	86,550	17,760	3,870	13,890	5,070	2,310	2,760	3,100	1,150	1,950	450	160	290
Arts, humanities, and related	4,950	2,340	2,610	4,530	2,060	2,480	230	200	S	90	S	70	90	70	S	S	S	S
Health related	17,260	6,150	11,100	13,930	4,950	8,980	2,370	770	1,610	580	280	300	300	130	170	60	S	S
Managers and administrators	76,190	15,520	60,670	62,480	12,670	49,810	9,480	1,360	8,130	2,530	1,050	1,470	1,490	380	1,110	200	60	140
Postsecondary teachers	18,800	9,860	8,940	16,010	8,270	7,750	1,180	570	610	880	590	290	650	370	280	80	60	S
Precollege teachers	4,540	1,850	2,690	3,800	1,590	2,210	230	110	120	330	80	250	140	60	80	S	S	S
Sales and marketing	6,600	1,420	5,190	5,250	1,120	4,140	1,030	170	870	150	60	100	140	50	80	S	S	S
Social services and related	2,700	1,160	1,540	2,290	1,010	1,290	140	S	110	220	90	120	S	S	S	S	S	S
Technologists and technicians	7,030	890	6,140	4,660	420	4,240	2,230	470	1,760	60	S	60	80	S	80	S	S	S
Other	9,090	2,520	6,570	7,770	2,100	5,660	860	200	660	230	130	100	180	70	110	60	S	S
Percent distribution																		
All occupations	100.0	25.6	74.4	100.0	25.8	74.2	100.0	21.2	78.8	100.0	38.1	61.9	100.0	32.9	67.1	100.0	27.2	72.3
S&E occupations	100.0	18.3	75.4	100.0	18.3	75.2	100.0	16.8	79.0	100.0	22.7	65.7	100.0	25.2	68.2	100.0	18.5	74.8
Scientists	100.0	23.2	71.8	100.0	23.7	72.1	100.0	18.6	73.0	100.0	32.9	62.5	100.0	29.9	64.9	100.0	S	S
Computer and information scientists	100.0	13.6	86.4	100.0	12.7	87.3	100.0	15.8	84.3	100.0	13.3	88.3	100.0	11.3	90.1	100.0	S	S
Computer/information Postsecondary teachers	100.0	13.5	86.6	100.0	12.0	88.0	100.0	16.3	83.8	100.0	S	90.7	100.0	12.3	87.7	100.0	S	S
Life and related scientists	100.0	14.3	85.7	100.0	15.0	85.0	100.0	12.1	87.9	100.0	S	82.4	100.0	S	100.0	100.0	S	S
Agricultural and food	100.0	29.9	70.1	100.0	28.6	71.4	100.0	34.4	65.6	100.0	35.8	64.7	100.0	35.3	64.7	100.0	28.6	71.4
Biological and medical	100.0	16.3	83.7	100.0	15.0	85.0	100.0	19.0	80.2	100.0	S	88.0	100.0	32.5	65.0	100.0	S	S
Environmental life	100.0	34.0	66.0	100.0	32.5	67.5	100.0	38.4	61.7	100.0	38.7	62.3	100.0	37.0	63.0	100.0	33.3	66.7
Postsecondary teachers	100.0	18.8	81.3	100.0	17.9	82.1	100.0	S	S	100.0	S	S	S	S	S	100.0	S	S
Mathematical scientists	100.0	26.4	73.6	100.0	26.3	73.7	100.0	22.6	77.7	100.0	38.1	60.7	100.0	34.5	65.5	100.0	S	S
Mathematicians	100.0	20.4	79.7	100.0	18.1	82.0	100.0	28.6	71.1	100.0	36.4	63.6	100.0	18.0	83.6	100.0	S	S
Postsecondary teachers	100.0	25.2	74.8	100.0	22.4	77.7	100.0	31.3	68.8	100.0	44.0	52.0	100.0	S	85.7	100.0	S	S
Physical and related scientists	100.0	17.3	82.7	100.0	15.7	84.3	100.0	25.4	74.0	100.0	26.7	70.0	100.0	17.0	83.0	100.0	S	S
Chemists (excluding biochemists)	100.0	13.9	86.1	100.0	12.7	87.3	100.0	20.6	79.4	100.0	15.1	84.9	100.0	14.7	85.3	100.0	S	91.7
	100.0	15.9	84.1	100.0	13.5	86.5	100.0	24.0	76.0	100.0	15.6	84.4	100.0	16.7	85.2	100.0	S	S

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Occupation	All races/ethnicities			White			Asian/Pacific Islander			Black			Hispanic			American Indian/ Alaskan Native		
	Total	Female	Male	Total	Female	Male	Total	Female	Male	Total	Female	Male	Total	Female	Male	Total	Female	Male
Percent distribution																		
Earth scientists, geologists, and oceanographers	100.0	11.0	89.1	100.0	10.8	89.3	100.0	13.9	86.1	100.0	S	100.0	100.0	S	95.7	100.0	S	S
Physicists and astronomers	100.0	7.7	92.2	100.0	6.2	93.8	100.0	16.0	84.0	100.0	S	88.9	100.0	S	88.9	100.0	S	S
Postsecondary teachers	100.0	16.4	83.6	100.0	16.1	83.9	100.0	19.4	80.6	100.0	13.8	86.2	100.0	16.7	83.3	100.0	S	93.3
Other	100.0	14.9	85.1	100.0	13.0	87.0	100.0	S	75.0	100.0	S	S	S	S	S	100.0	S	S
Psychologists	100.0	49.8	50.2	100.0	48.5	51.5	100.0	62.2	34.5	100.0	61.8	38.2	100.0	63.3	37.2	100.0	45.9	54.1
Postsecondary teachers	100.0	43.0	57.0	100.0	41.2	58.8	100.0	56.3	43.8	100.0	63.3	36.7	100.0	53.1	45.3	100.0	S	75.0
Psychologists	100.0	52.1	47.9	100.0	50.9	49.1	100.0	70.0	30.0	100.0	61.1	38.9	100.0	66.3	33.7	100.0	51.7	44.8
Social scientists	100.0	30.5	69.5	100.0	30.4	69.6	100.0	27.4	70.4	100.0	32.8	67.7	100.0	36.8	63.7	100.0	S	88.0
Economists	100.0	22.9	77.1	100.0	23.3	76.9	100.0	24.8	75.2	100.0	S	85.7	100.0	14.3	85.7	100.0	S	S
Political	100.0	23.1	76.9	100.0	21.4	78.6	100.0	S	S	100.0	S	S	100.0	S	60.0	100.0	S	100.0
Postsecondary teachers	100.0	28.9	71.0	100.0	28.7	71.3	100.0	25.4	74.6	100.0	30.5	70.1	100.0	42.7	57.3	100.0	S	89.5
Sociologists and anthropologists	100.0	49.7	50.0	100.0	48.4	51.6	100.0	80.0	S	100.0	63.2	36.8	100.0	42.9	50.0	100.0	S	S
Other	100.0	48.3	51.7	100.0	49.0	51.0	100.0	53.3	53.3	100.0	S	66.7	100.0	S	S	100.0	S	S
Engineers	100.0	8.1	91.9	100.0	7.8	92.1	100.0	8.0	92.0	100.0	11.7	89.2	100.0	12.9	87.1	100.0	S	82.4
Aerospace and related	100.0	5.8	94.2	100.0	5.2	94.8	100.0	S	95.5	100.0	S	S	100.0	S	66.7	100.0	S	S
Chemical	100.0	10.7	89.3	100.0	11.0	89.0	100.0	10.5	89.5	100.0	S	90.9	100.0	S	100.0	100.0	S	S
Civil	100.0	5.5	94.8	100.0	7.5	92.5	100.0	S	99.1	100.0	S	100.0	100.0	S	100.0	100.0	S	S
Electrical and related	100.0	6.6	93.5	100.0	4.8	95.2	100.0	8.9	91.1	100.0	S	90.5	100.0	S	86.2	100.0	S	S
Industrial	100.0	18.8	81.2	100.0	16.5	83.5	100.0	18.2	79.5	100.0	S	S	100.0	S	S	100.0	S	S
Mechanical	100.0	4.4	95.6	100.0	4.1	95.9	100.0	5.0	95.0	100.0	S	90.0	100.0	S	100.0	100.0	S	S
Postsecondary teachers	100.0	7.3	92.7	100.0	8.0	92.0	100.0	4.3	95.7	100.0	S	89.8	100.0	S	92.7	100.0	S	100.0
Other	100.0	11.3	88.7	100.0	10.8	89.2	100.0	10.9	89.1	100.0	S	64.3	100.0	22.0	75.6	100.0	S	S
Non-S&E occupations	100.0	28.3	71.7	100.0	28.3	71.7	100.0	21.8	78.2	100.0	45.6	54.4	100.0	37.1	62.9	100.0	35.6	64.4
Arts, humanities, and related	100.0	47.3	52.7	100.0	45.5	54.7	100.0	87.0	S	100.0	S	77.8	100.0	77.8	S	100.0	S	S
Health related	100.0	35.6	64.3	100.0	35.5	64.5	100.0	32.5	67.9	100.0	48.3	51.7	100.0	43.3	56.7	100.0	S	S
Managers and administrators	100.0	20.4	79.6	100.0	20.3	79.7	100.0	14.3	85.8	100.0	41.5	58.1	100.0	25.5	74.5	100.0	30.0	70.0
Postsecondary teachers	100.0	52.4	47.6	100.0	51.7	48.4	100.0	48.3	51.7	100.0	67.0	33.0	100.0	56.9	43.1	100.0	75.0	S
Precollege teachers	100.0	40.7	59.3	100.0	41.8	58.2	100.0	47.8	52.2	100.0	24.2	75.8	100.0	42.9	57.1	100.0	S	S
Sales and marketing	100.0	21.5	78.6	100.0	21.3	78.9	100.0	16.5	84.5	100.0	40.0	66.7	100.0	35.7	57.1	100.0	S	S
Social services and related	100.0	43.0	57.0	100.0	44.1	56.3	100.0	S	78.6	100.0	40.9	54.5	100.0	S	S	100.0	S	S
Technologists and technicians	100.0	12.7	87.3	100.0	9.0	91.0	100.0	21.1	78.9	100.0	S	100.0	100.0	S	100.0	100.0	S	S
Other	100.0	27.7	72.3	100.0	27.0	72.8	100.0	23.3	76.7	100.0	56.5	43.5	100.0	38.9	61.1	100.0	S	S

S suppressed because fewer than 50 weighted cases.

NOTES: Table limited to those who earned a doctorate in an S&E field from a U.S. institution. Numbers are rounded to nearest 10. Details may not add to total because of rounding. Total includes "other race/ethnicity" not shown separately.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Doctorate Recipients, 2001.