

**Table A-2. Occupational characteristics of U.S. scientists and engineers: 1995**

Level and field of highest degree	All occupations, total		Occupation category				
	Number	Percent	Same S&E field	Other S&E	Closely related non-S&E	Somewhat related non-S&E	Unrelated non-S&E
			Percent				
<b>All degree levels, total<sup>1</sup></b>							
<b>All degree fields, total</b> .....	10,114,500	100.0%	14.9%	16.6%	30.8%	19.0%	18.6%
<b>S&amp;E degree fields, total</b> .....	7,333,100	100.0	20.6	15.4	20.9	20.8	22.4
<b>Sciences, total</b> .....	5,476,100	100.0	13.5	12.8	24.0	23.0	26.7
<b>Computer/math sciences, total</b> .....	955,400	100.0	29.3	17.4	25.4	16.1	11.8
Computer/information sciences .....	506,100	100.0	52.0	4.7	26.7	10.9	5.7
Mathematical sciences .....	449,400	100.0	3.7	31.8	24.0	21.9	18.7
<b>Life/related sciences, total</b> .....	1,127,800	100.0	12.5	13.9	28.4	20.5	24.8
Agricultural/food sciences .....	215,700	100.0	10.4	11.5	31.2	25.2	21.7
Biological sciences .....	825,600	100.0	13.5	13.3	28.2	19.7	25.3
Environmental life sciences .....	86,600	100.0	8.0	24.5	23.1	16.6	27.7
<b>Physical/related sciences, total</b> .....	605,200	100.0	25.1	26.6	15.0	13.7	19.5
Chemistry, except biochemistry .....	267,400	100.0	29.3	21.2	17.4	14.0	18.1
Earth science, geology and oceanography .....	145,400	100.0	35.6	16.4	10.5	11.0	26.5
Physics/astronomy .....	140,700	100.0	15.1	48.5	7.9	13.1	15.4
Other physical sciences .....	51,700	100.0	0.8	23.6	35.4	21.5	18.6
<b>Social/related sciences, total</b> .....	2,787,700	100.0	6.1	7.7	23.7	28.4	34.1
Economics .....	390,900	100.0	4.2	9.9	20.8	37.4	27.7
Political/related sciences .....	524,900	100.0	1.5	7.7	16.6	28.4	45.8
Psychology .....	1,038,400	100.0	12.8	6.9	27.3	26.1	26.8
Sociology/anthropology .....	523,300	100.0	2.0	7.2	23.0	27.6	40.2
Other social sciences .....	310,100	100.0	0.5	8.6	28.2	25.9	36.7
<b>Engineering, total</b> .....	1,856,900	100.0	41.3	23.0	11.8	14.2	9.6
Aerospace/related engineering .....	76,200	100.0	28.0	24.7	13.9	14.0	19.4
Chemical engineering .....	135,400	100.0	39.4	25.6	10.6	15.5	8.9
Civil/architectural engineering .....	312,200	100.0	50.3	13.4	17.3	12.2	6.8
Electrical/related engineering .....	560,800	100.0	45.1	25.4	9.6	12.0	7.9
Industrial engineering .....	104,000	100.0	23.4	23.0	14.7	24.4	14.5
Mechanical engineering .....	375,400	100.0	47.4	21.4	7.5	14.3	9.3
Other engineering .....	293,000	100.0	27.4	29.0	15.0	16.2	12.4
<b>Non-S&amp;E degrees, total</b> .....	2,781,400	100.0	—	19.8	56.9	14.5	8.8

See explanatory information, if any, and SOURCE at end of table.

**Table A-2. Occupational characteristics of U.S. scientists and engineers: 1995**

Level and field of highest degree	All occupations, total		Occupation category				
	Number	Percent	Same S&E field	Other S&E	Closely related non-S&E	Somewhat related non-S&E	Unrelated non-S&E
<b>Bachelor's, total</b>							
<b>All degree fields, total</b> .....	5,926,700	100.0%	15.6%	15.5%	20.8%	22.4%	25.6%
<b>S&amp;E degree fields, total</b> .....	5,408,600	100.0	17.1	12.1	20.6	23.3	27.0
<b>Sciences, total</b> .....	4,047,800	100.0	9.1	9.3	23.4	25.8	32.3
<b>Computer/math sciences, total</b> .....	687,700	100.0	28.5	14.0	26.3	17.1	14.1
Computer/information sciences .....	362,800	100.0	52.7	2.6	27.6	10.7	6.4
Mathematical sciences .....	324,900	100.0	1.6	26.7	24.8	24.3	22.6
<b>Life/related sciences, total</b> .....	820,200	100.0	7.5	9.6	29.0	22.8	31.0
Agricultural/food sciences .....	171,200	100.0	7.3	7.2	33.4	27.0	25.2
Biological sciences .....	583,000	100.0	7.7	9.5	28.4	22.2	32.2
Environmental life sciences .....	65,900	100.0	7.4	17.0	23.2	17.3	35.1
<b>Physical/related sciences, total</b> .....	374,500	100.0	19.5	22.1	16.2	16.3	25.9
Chemistry, except biochemistry .....	171,700	100.0	24.4	16.5	19.4	15.7	23.9
Earth science, geology and oceanography .....	95,400	100.0	28.1	12.4	10.6	13.8	35.1
Physics/astronomy .....	68,000	100.0	6.3	50.7	6.6	17.1	19.3
Other physical sciences .....	39,400	100.0	0.5	20.3	31.7	23.9	23.4
<b>Social/related sciences, total</b> .....	2,165,400	100.0	1.6	5.5	21.7	31.4	39.8
Economics .....	329,200	100.0	1.5	7.1	20.1	40.8	30.5
Political/related sciences .....	448,700	100.0	0.9	5.2	15.5	29.0	49.3
Psychology .....	690,700	100.0	3.0	5.5	24.4	31.7	35.3
Sociology/anthropology .....	461,900	100.0	1.0	4.5	23.2	28.6	42.6
Other social sciences .....	234,800	100.0	0.2	5.7	24.6	27.3	42.2
<b>Engineering, total</b> .....	1,360,800	100.0	41.1	20.3	12.0	15.6	11.0
Aerospace/related engineering .....	54,700	100.0	25.0	24.3	15.0	15.0	20.8
Chemical engineering .....	100,500	100.0	37.8	25.6	10.9	15.8	9.9
Civil/architectural engineering .....	237,400	100.0	50.2	11.8	17.5	13.4	7.2
Electrical/related engineering .....	402,500	100.0	44.4	23.7	9.0	13.4	9.5
Industrial engineering .....	81,200	100.0	25.0	16.6	14.7	27.7	15.9
Mechanical engineering .....	302,700	100.0	47.3	19.5	7.7	15.2	10.3
Other engineering .....	181,800	100.0	25.1	23.1	17.4	18.6	15.8
<b>Non-S&amp;E degrees, total</b> .....	518,200	100.0	—	51.5	23.3	13.8	11.5

See explanatory information, if any, and SOURCE at end of table.

**Table A-2. Occupational characteristics of U.S. scientists and engineers: 1995**

Level and field of highest degree	All occupations, total		Occupation category				
	Number	Percent	Same S&E field	Other S&E	Closely related non-S&E	Somewhat related non-S&E	Unrelated non-S&E
<b>Master's, total</b>							
<b>All degree fields, total</b> .....	2,656,800	100.0%	14.8%	18.7%	37.1%	18.3%	11.0%
<b>S&amp;E degree fields, total</b> .....	1,359,300	100.0	29.0	19.6	24.9	15.3	11.2
<b>Sciences, total</b> .....	953,500	100.0	22.7	16.0	30.7	17.4	13.3
<b>Computer/math sciences, total</b> .....	230,700	100.0	32.7	21.2	25.6	14.3	6.2
Computer/information sciences .....	132,400	100.0	50.8	8.0	25.3	11.8	4.0
Mathematical sciences .....	98,400	100.0	8.2	39.0	25.9	17.7	9.0
<b>Life/related sciences, total</b> .....	149,400	100.0	17.5	21.2	32.1	18.0	11.3
Agricultural/food sciences .....	26,900	100.0	16.4	22.3	26.8	23.0	11.5
Biological sciences .....	106,600	100.0	18.8	17.7	34.4	16.9	12.2
Environmental life sciences .....	15,800	100.0	10.1	42.4	25.3	17.1	4.4
<b>Physical/related sciences, total</b> .....	112,200	100.0	32.8	28.0	18.0	9.1	12.2
Chemistry, except biochemistry .....	34,800	100.0	39.1	22.7	17.8	10.9	9.8
Earth science, geology and oceanography .....	34,700	100.0	51.0	18.4	11.8	5.8	13.0
Physics/astronomy .....	32,000	100.0	16.6	43.8	13.8	9.1	16.9
Other physical sciences .....	10,700	100.0	1.9	29.0	51.4	14.0	3.7
<b>Social/related sciences, total</b> .....	461,100	100.0	16.9	8.8	35.9	20.7	17.7
Economics .....	40,600	100.0	14.0	13.5	30.0	24.4	18.0
Political/related sciences .....	60,800	100.0	4.1	14.1	24.7	27.1	29.8
Psychology .....	259,300	100.0	25.3	5.2	39.6	17.7	12.1
Sociology/anthropology .....	39,400	100.0	8.6	13.5	25.6	23.1	28.7
Other social sciences .....	61,100	100.0	0.8	12.6	41.7	22.9	22.1
<b>Engineering, total</b> .....	405,800	100.0	43.8	28.0	11.3	10.6	6.3
Aerospace/related engineering .....	17,500	100.0	34.9	23.4	10.3	12.6	18.9
Chemical engineering .....	22,700	100.0	48.0	22.0	7.9	15.4	7.0
Civil/architectural engineering .....	66,300	100.0	53.1	14.9	17.2	8.6	6.2
Electrical/related engineering .....	134,700	100.0	48.6	28.4	11.0	8.2	3.9
Industrial engineering .....	20,200	100.0	18.8	44.6	14.9	12.9	8.9
Mechanical engineering .....	62,000	100.0	49.5	27.6	6.3	11.0	5.5
Other engineering .....	82,400	100.0	31.2	36.9	11.0	13.6	7.4
<b>Non-S&amp;E degrees, total</b> .....	1,297,500	100.0	—	17.8	49.9	21.4	10.9

See explanatory information, if any, and SOURCE at end of table.

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Level and field of highest degree	All occupations, total		Occupation category				
	Number	Percent	Same S&E field	Other S&E	Closely related non-S&E	Somewhat related non-S&E	Unrelated non-S&E
<b>Doctorate, total</b>							
<b>All degree fields, total</b> .....	689,900	100.0%	27.0%	33.5%	23.1%	10.7%	5.8%
<b>S&amp;E degree fields, total</b> .....	557,400	100.0	33.4	36.8	14.4	10.2	5.3
<b>Sciences, total</b> .....	467,000	100.0	33.3	36.1	15.0	10.3	5.4
<b>Computer/math sciences, total</b> .....	36,900	100.0	21.7	57.5	8.4	7.9	4.3
Computer/information sciences .....	10,800	100.0	42.6	32.4	13.9	10.2	0.9
Mathematical sciences .....	26,100	100.0	13.0	67.8	6.1	6.9	5.7
<b>Life/related sciences, total</b> .....	157,200	100.0	33.7	29.1	21.2	10.8	5.2
Agricultural/food sciences .....	17,400	100.0	32.2	37.4	15.5	10.3	4.0
Biological sciences .....	135,300	100.0	34.8	26.8	22.2	11.0	5.3
Environmental life sciences .....	4,500	100.0	8.9	66.7	13.3	6.7	4.4
<b>Physical/related sciences, total</b> .....	118,100	100.0	35.4	39.7	8.7	9.9	6.3
Chemistry, except biochemistry .....	60,800	100.0	37.7	33.6	11.2	11.2	6.4
Earth science, geology and oceanography .....	15,300	100.0	47.1	37.3	7.2	5.2	3.3
Physics/astronomy .....	40,400	100.0	28.7	49.0	5.4	9.9	7.2
Other physical sciences .....	1,600	100.0	S	68.8	12.5	12.5	S
<b>Social/related sciences, total</b> .....	154,800	100.0	34.0	35.3	15.0	10.7	5.1
Economics .....	21,100	100.0	27.0	46.0	14.7	10.4	2.4
Political/related sciences .....	15,400	100.0	6.5	54.5	16.9	14.3	7.8
Psychology .....	82,100	100.0	52.0	23.8	12.4	8.4	3.4
Sociology/anthropology .....	22,100	100.0	11.3	51.6	13.1	14.0	9.0
Other social sciences .....	14,100	100.0	4.3	40.4	30.5	14.9	9.9
<b>Engineering, total</b> .....	90,300	100.0	33.9	40.3	11.4	9.6	4.8
Aerospace/related engineering .....	4,000	100.0	40.0	35.0	15.0	7.5	5.0
Chemical engineering .....	12,100	100.0	38.0	32.2	12.4	13.2	5.0
Civil/architectural engineering .....	8,500	100.0	31.8	45.9	11.8	7.1	2.4
Electrical/related engineering .....	23,600	100.0	35.6	38.1	11.4	10.2	4.2
Industrial engineering .....	2,600	100.0	7.7	50.0	11.5	11.5	15.4
Mechanical engineering .....	10,800	100.0	39.8	38.9	10.2	8.3	2.8
Other engineering .....	28,700	100.0	30.7	43.9	10.8	8.7	5.6
<b>Non-S&amp;E degrees, total</b> .....	132,600	100.0	—	19.8	59.6	12.9	7.8

1 Includes professional degrees

**NOTES:** The term "Scientists and Engineers" (S&Es) includes all persons who have ever received a bachelor's degree or higher in a science or engineering (S&E) field, plus persons holding a non-S&E bachelor's or higher degree who were employed in a S&E occupation during either the 1993 or 1995 SESTAT surveys. Figures are rounded to nearest hundred. Details may not add to total because of rounding.

**KEY:** S = Suppressed for reasons of confidentiality and/or data reliability  
 — = Not available

**SOURCE:** National Science Foundation/Science Resources Studies Division, 1995 SESTAT (Scientists and Engineers Statistical Data System)