

**Table D-1. U.S. scientists and engineers, by detailed occupation and highest degree attained: 1995**

Occupation	Level of highest degree				
	All degree levels, total	Bachelor's	Master's	Doctorate	Professional
<b>All occupations, total</b> <sup>1</sup> .....	11,987,100	7,186,800	3,114,600	778,400	907,400
<b>S&amp;E occupations, total</b> .....	3,708,400	2,182,200	1,021,400	468,500	36,300
<b>Scientists, total</b> .....	2,096,500	1,068,000	606,100	389,900	32,500
<b>Computer/math sci, total</b> .....	1,037,000	681,300	293,300	59,000	3,300
<b>Computer/information scientists</b> .....	907,800	643,100	237,900	23,700	3,200
Computer engineers-software ...	236,400	146,200	82,100	7,500	600
Computer scientists, except systems analysts .....	26,700	13,800	8,300	4,600	100
Computer systems analysts .....	386,300	297,600	82,700	4,300	1,600
Information systems scientists/analysts .....	122,100	83,400	34,700	3,300	600
Other computer/information science occupations .....	136,200	102,100	30,100	3,900	200
<b>Mathematical scientists</b> .....	47,000	21,800	16,600	8,600	S
Mathematicians .....	4,500	1,900	1,000	1,600	S
Operations research analysts, modelling .....	18,500	10,900	5,400	2,200	S
Statisticians .....	23,400	9,000	10,000	4,400	S
Other mathematical scientists ...	500	S	100	400	S
<b>Postsecondary teachers-computer math sci</b> .....	82,200	16,500	38,800	26,800	100
Computer science teachers .....	25,800	6,900	12,000	6,900	S
Math science teachers .....	56,400	9,600	26,900	19,800	100
<b>Life/related scientists, total</b> .....	364,700	151,600	77,600	116,300	19,200
<b>Agricultural/food scientists</b> .....	51,500	28,900	11,100	11,400	100
<b>Biological scientists</b> .....	201,600	87,100	39,800	65,800	8,900
Biochemists/biophysicists .....	39,800	16,400	7,300	15,900	200
Biological scientists .....	71,400	36,700	17,200	17,200	300
Medical scientists, except practitioners .....	68,600	23,200	9,800	27,400	8,300
Other biological/life scientists ....	21,800	10,900	5,500	5,200	200
<b>Forestry/conservation scientists</b> .....	25,000	16,300	7,400	1,300	S
<b>Postsecondary teachers-life/related sciences</b> .....	86,500	19,200	19,200	37,900	10,100
Agriculture teachers .....	11,200	2,700	3,500	4,900	S
Biological science teachers .....	46,700	12,000	11,500	22,700	500
Medical science teachers .....	26,000	4,000	3,200	9,200	9,600
Natural science teachers .....	2,600	500	1,100	1,100	S

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

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Occupation	Level of highest degree				
	All degree levels, total	Bachelor's	Master's	Doctorate	Professional
<b>All occupations, total<sup>1</sup> — continued</b>					
<b>Physical/related scientists, total</b>	331,000	158,200	81,300	90,800	700
<b>Chemists, except biochemists</b>	138,000	82,400	25,200	30,300	100
<b>Earth scientists/geologists/oceanographers</b> .....	84,200	42,900	29,100	12,300	S
Atmospheric/space scientists ....	12,800	6,100	3,300	3,500	S
Geologists .....	67,800	35,800	24,700	7,400	S
Oceanographers .....	3,600	1,000	1,200	1,400	S
<b>Physicists/astronomers</b> .....	35,400	9,800	9,600	16,000	S
Astronomer .....	2,900	1,000	300	1,700	S
Physicists .....	32,500	8,800	9,400	14,300	S
<b>Other physical/related scientists</b> .....	19,200	10,300	5,500	3,300	100
<b>Postsecondary teachers-physical/related sci</b> .....	54,100	12,800	11,800	28,900	500
Chemistry teachers .....	23,500	5,300	4,700	13,100	400
Earth/env/marine science teachers .....	12,600	3,600	3,000	6,000	S
Physics teachers .....	18,000	3,900	4,100	9,900	100
<b>Social/related scientists, total</b> .....	363,800	76,900	153,900	123,700	9,300
<b>Economists</b> .....	40,100	14,700	17,500	7,800	100
<b>Political/related scientists</b> .....	10,900	6,100	3,300	1,600	S
<b>Psychologists</b> .....	188,100	32,500	99,100	50,700	5,700
<b>Sociologists/anthropologists</b> ..	19,000	9,600	5,500	4,000	S
Anthropologists .....	9,000	3,800	3,000	2,200	S
Sociologists .....	10,000	5,700	2,500	1,800	S
<b>Other social/related scientists</b>	15,400	5,100	5,500	3,900	900
Historians, science/technology	1,200	600	200	400	S
Other social scientists .....	14,200	4,500	5,200	3,600	900
<b>Postsecondary teachers-social/related sci</b> .....	90,300	8,900	23,000	55,800	2,600
Economics teachers .....	18,600	2,200	4,600	11,700	S
Political science teachers .....	14,600	1,000	3,600	8,400	1,700
Psychology teachers .....	29,100	3,100	7,300	18,000	600
Sociology teachers .....	13,000	1,100	3,700	8,100	S
Other social science teachers ...	15,000	1,500	3,700	9,600	300

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

**Table D-1. U.S. scientists and engineers, by detailed occupation and highest degree attained: 1995**

Occupation	Level of highest degree				
	All degree levels, total	Bachelor's	Master's	Doctorate	Professional
<b>All occupations, total<sup>1</sup> — continued</b>					
<b>Engineers, total</b> .....	1,611,900	1,114,100	415,300	78,700	3,800
<b>Aerospace/related engineers</b> ...	99,300	61,900	32,400	4,800	100
<b>Chemical engineers</b> .....	90,200	58,600	24,300	7,200	S
<b>Civil/architectural engineers</b> ....	238,400	174,900	58,200	4,300	1,000
<b>Electrical/related engineers</b> .....	421,700	289,600	115,900	15,000	1,200
Computer engineers, hardware	52,900	35,400	15,900	1,500	S
Electrical/electronics engineers	368,900	254,200	100,000	13,500	1,200
<b>Industrial engineers</b> .....	87,500	67,300	19,100	900	100
<b>Mechanical engineers</b> .....	307,300	234,000	64,200	8,800	300
<b>Other engineers</b> .....	329,900	220,700	89,900	18,600	800
Agricultural engineers .....	6,200	4,200	1,300	600	S
Bioengineers/biomedical engineers .....	12,200	6,800	3,300	2,000	S
Environmental engineers .....	80,400	47,900	29,300	3,300	S
Marine engineer or naval architect .....	9,000	5,800	3,000	200	S
Materials/metallurgical engineers .....	48,500	28,400	13,100	6,700	300
Mining/geological engineers .....	8,300	6,000	1,900	400	S
Nuclear engineers .....	20,100	12,700	6,100	1,300	S
Petroleum engineers .....	19,600	15,300	2,900	900	400
Sales engineers .....	57,200	45,800	11,100	200	S
Other engineers .....	68,500	47,900	17,900	2,800	S
<b>Engineering teachers</b> .....	37,700	7,200	11,200	19,100	200
<b>Non-S&amp;E occupations, total</b> .....	8,278,700	5,004,600	2,093,100	309,800	871,100
Managers/administrators .....	2,245,900	1,276,300	781,700	131,700	56,200
Health/related .....	863,800	324,500	100,300	25,800	413,100
Teachers, except S&E postsecondary	901,300	411,700	394,800	77,000	17,700
Social service/related .....	496,500	230,500	239,000	17,900	9,100
Technology/technical .....	445,600	361,200	73,700	9,300	1,400
Sales/marketing .....	1,035,400	823,900	191,100	9,300	11,000
Art, humanities and related .....	183,000	119,000	53,300	6,000	4,800
Other non-S&E occupations .....	2,107,200	1,457,500	259,100	32,800	357,900

<sup>1</sup> Total excludes 49,100 individuals who reported never having worked. For unemployed individuals, occupation is for their previous reported job.

**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

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