

Appendix table 3-12

Age profile of employed scientists and engineers, by sex and field of highest degree: 2010

S&E highest degree field	Total			Female			Male					
	Number	Age < 30 (%)	Age 30–50 (%)	Age 51–75 (%)	Number	Age < 30 (%)	Age 30–50 (%)	Age 51–75 (%)	Number	Age < 30 (%)	Age 30–50 (%)	Age 51–75 (%)
Total	21,903,000	13.4	53.8	32.9	9,765,000	15.9	54.2	29.9	12,138,000	11.3	53.4	35.3
S&E fields	11,385,000	16.4	53.7	29.9	4,248,000	20.5	53.7	25.8	7,138,000	14.1	53.6	32.3
Computer and mathematical sciences	1,886,000	14.2	63.8	22.0	519,000	12.5	63.8	23.7	1,366,000	14.8	63.9	21.3
Computer and information sciences	1,393,000	14.9	69.2	16.0	343,000	11.7	70.6	17.8	1,050,000	15.9	68.7	15.4
Mathematics and statistics	492,000	12.4	49.0	38.8	176,000	14.2	50.6	35.2	316,000	11.1	48.1	40.8
Biological, agricultural, and environmental life sciences	1,764,000	17.3	48.9	33.8	838,000	22.1	49.9	28.0	926,000	13.0	48.1	39.0
Agricultural and food sciences	301,000	10.0	45.5	44.5	92,000	17.4	48.9	33.7	209,000	6.7	44.0	49.3
Biological sciences	1,299,000	19.6	48.6	31.9	696,000	22.8	49.4	27.7	603,000	15.8	47.6	36.8
Environmental life sciences	164,000	12.2	57.9	29.3	50,000	20.0	58.0	22.0	113,000	9.7	58.4	32.7
Physical and related sciences	693,000	11.8	51.5	36.7	190,000	19.5	57.9	22.1	503,000	8.9	49.1	41.9
Chemistry, except biochemistry	312,000	14.1	49.0	37.2	104,000	24.0	53.8	22.1	208,000	8.7	46.6	44.2
Earth, atmospheric, and ocean sciences	184,000	9.2	52.7	38.0	51,000	13.7	68.6	19.6	133,000	7.5	47.4	45.1
Physics and astronomy	166,000	12.0	54.8	33.7	23,000	17.4	60.9	21.7	143,000	11.2	53.8	35.7
Other physical sciences	30,000	3.3	53.3	43.3	11,000	9.1	54.5	45.5	19,000	5.3	52.6	42.1
Social and related sciences	4,363,000	19.3	50.0	30.7	2,333,000	21.9	50.7	27.3	2,030,000	16.3	49.3	34.5
Economics	729,000	14.4	53.1	32.4	186,000	19.4	55.9	24.7	543,000	12.9	52.1	35.0
Political and related sciences	729,000	23.7	49.1	27.2	282,000	29.1	50.4	20.6	446,000	20.4	48.4	31.4
Psychology	1,661,000	19.4	49.5	31.0	1,157,000	21.1	51.4	27.6	504,000	15.7	45.2	39.1
Sociology and anthropology	738,000	19.0	50.5	30.6	434,000	21.0	50.0	29.0	304,000	16.1	51.3	32.9
Other social sciences	507,000	19.9	47.7	32.1	274,000	21.9	45.3	32.8	233,000	18.0	50.6	31.8
Engineering	2,679,000	14.0	56.1	29.9	367,000	19.1	65.7	15.3	2,312,000	13.2	54.6	32.1
Aerospace, aeronautical, and astronautical engineering	106,000	14.2	61.3	24.5	9,000	22.2	66.7	S	98,000	13.3	60.2	26.5
Chemical engineering	178,000	11.2	55.1	33.7	43,000	16.3	65.1	18.6	135,000	9.6	51.9	38.5
Civil and architectural engineering	407,000	12.0	54.1	33.9	64,000	17.2	62.5	21.9	343,000	11.1	52.5	36.2
Electrical and computer engineering	914,000	15.0	60.3	24.7	109,000	19.3	69.7	11.0	804,000	14.4	59.0	26.6
Industrial engineering	159,000	11.3	61.0	28.3	34,000	14.7	76.5	11.8	125,000	10.4	56.8	32.8
Mechanical engineering	544,000	15.6	53.3	31.1	44,000	22.7	63.6	13.6	499,000	15.0	52.7	32.5
Other engineering	371,000	14.3	49.1	36.7	63,000	23.8	58.7	19.0	308,000	12.3	47.4	40.3
S&E-related fields	5,273,000	11.1	52.8	36.1	3,151,000	13.9	53.3	32.8	2,122,000	7.0	52.1	40.9
Health	4,147,000	11.0	52.8	36.2	2,777,000	13.8	53.2	33.0	1,370,000	5.3	52.1	42.6
Science and mathematics teacher education	352,000	11.6	47.4	40.9	203,000	12.3	49.3	38.4	149,000	10.7	45.6	44.3
Technology and technical fields	426,000	11.5	57.5	31.0	60,000	S	51.7	20.0	366,000	9.0	58.5	32.8
Other S&E-related fields	347,000	11.5	51.6	36.9	111,000	10.8	63.1	26.1	236,000	11.9	46.2	41.9
Non-S&E fields	5,245,000	8.9	54.9	36.1	2,367,000	10.5	56.1	33.4	2,878,000	7.7	53.9	38.4
Management and administration fields	1,745,000	6.2	58.2	35.6	567,000	8.8	57.5	33.7	1,178,000	5.0	58.6	36.5
Education, except science and math teacher education	1,129,000	8.1	51.4	40.4	670,000	9.1	53.7	37.2	459,000	6.8	47.9	45.1
Social service and related fields	383,000	9.4	44.9	45.7	213,000	6.6	46.0	47.4	170,000	12.9	43.5	43.5

Age profile of employed scientists and engineers, by sex and field of highest degree: 2010

S&E highest degree field	Total			Female			Male					
	Number	Age < 30 (%)	Age 30–50 (%)	Age 51–75 (%)	Number	Age < 30 (%)	Age 30–50 (%)	Age 51–75 (%)	Number	Age < 30 (%)	Age 30–50 (%)	Age 51–75 (%)
Sales and marketing fields	152,000	21.7	51.3	27.0	66,000	S	51.5	21.2	86,000	S	51.2	31.4
Arts and humanities fields	554,000	9.6	59.9	30.5	260,000	7.7	52.7	39.6	293,000	11.3	66.2	22.5
Other non-S&E fields	1,283,000	11.5	54.8	33.7	591,000	14.6	63.3	22.2	692,000	8.8	47.5	43.6

S = suppressed for reasons of reliability and/or confidentiality.

NOTES: Scientists and engineers include those with one or more S&E or S&E-related degrees at the bachelor's level or higher or those who have only a non-S&E degree at the bachelor's level or higher and are employed in an S&E or S&E-related occupation. Percentages are based on rounded numbers. Detail may not add to total because of rounding.

SOURCE: National Science Foundation, National Center for Science and Engineering Statistics, Scientists and Engineers Statistical Data System (SESTAT) (2010), <http://sestat.nsf.gov/>.

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