



APPENDIX TABLE 3-11

Age profile of employed scientists and engineers, by sex and field of highest degree: 2015

(Number and percent)

S&E highest degree field	Total				Female				Male			
	Number	Age younger than 30 (%)	Age 30-50 (%)	Age 51-75 (%)	Number	Age younger than 30 (%)	Age 30-50 (%)	Age 51-75 (%)	Number	Age younger than 30 (%)	Age 30-50 (%)	Age 51-75 (%)
Total	25,306,000	15.4	51.3	33.3	11,879,000	18.2	52.7	29.1	13,409,000	12.9	50.0	37.1
S&E fields	13,497,000	18.5	50.4	31.1	5,359,000	22.8	51.4	25.8	8,121,000	15.7	49.6	34.7
Computer and mathematical sciences	2,346,000	15.7	56.8	27.5	663,000	13.7	56.4	29.9	1,683,000	16.5	56.9	26.6
Computer and information sciences	1,826,000	15.3	60.4	24.4	456,000	12.1	60.4	27.4	1,370,000	16.4	60.3	23.4
Mathematics and statistics	520,000	17.1	44.2	38.7	206,000	17.5	47.6	35.4	314,000	16.9	42.0	40.8
Biological, agricultural, and environmental life sciences	2,116,000	22.5	46.5	31.0	1,072,000	27.1	46.0	27.0	1,044,000	17.8	47.0	35.2
Agricultural and food sciences	291,000	8.9	40.5	50.2	102,000	13.7	53.9	32.4	189,000	6.9	33.3	59.8
Biological sciences	1,632,000	26.0	45.5	28.5	896,000	29.4	43.2	27.3	736,000	21.7	48.4	29.8
Environmental life sciences	194,000	13.4	62.9	23.2	74,000	17.6	67.6	13.5	120,000	10.8	60.0	29.2
Physical and related sciences	789,000	18.0	46.3	35.6	270,000	29.6	51.5	18.5	519,000	11.9	43.5	44.5
Chemistry, except biochemistry	370,000	23.8	43.5	32.4	153,000	39.2	42.5	18.3	217,000	12.9	44.2	42.9



S&E highest degree field	Total				Female				Male			
	Number	Age younger than 30 (%)	Age 30–50 (%)	Age 51–75 (%)	Number	Age younger than 30 (%)	Age 30–50 (%)	Age 51–75 (%)	Number	Age younger than 30 (%)	Age 30–50 (%)	Age 51–75 (%)
Earth, atmospheric, and ocean sciences	218,000	10.1	52.3	38.1	82,000	11.0	68.3	22.0	136,000	9.6	41.9	47.8
Physics and astronomy	187,000	16.0	44.9	39.0	3,000	36.7	50.0	13.3	157,000	12.1	43.3	44.6
Other physical sciences	14,000	14.3	50.0	35.7	5,000	20.0	s	s	9,000	11.1	44.4	33.3
Social and related sciences	5,056,000	19.7	49.2	31.1	2,864,000	22.5	51.0	26.5	2,175,000	16.3	46.4	37.3
Economics	817,000	18.4	46.1	35.5	232,000	21.1	50.0	29.3	578,000	17.5	44.1	38.4
Political and related sciences	908,000	22.7	49.9	27.4	424,000	23.3	54.5	22.2	485,000	22.3	45.8	32.0
Psychology	1,967,000	20.7	48.2	31.0	1,355,000	24.2	50.0	25.8	602,000	13.3	43.4	43.4
Sociology and anthropology	789,000	18.3	51.0	30.8	513,000	20.1	51.5	28.3	277,000	14.8	49.8	35.0
Other social sciences	574,000	15.7	53.1	31.2	341,000	19.1	50.4	30.2	233,000	10.7	57.1	32.6
Engineering	3,190,000	16.0	51.1	32.9	490,000	24.1	58.6	17.3	2,700,000	14.5	49.8	35.7
Aerospace, aeronautical, and astronautical engineering	135,000	20.0	45.9	34.1	19,000	15.8	63.2	s	116,000	21.6	43.1	35.3
Chemical engineering	211,000	16.1	40.3	43.6	46,000	23.9	50.0	23.9	165,000	13.9	37.6	48.5
Civil and architectural engineering	451,000	14.2	51.9	33.7	68,000	25.0	55.9	19.1	382,000	12.3	51.3	36.4



S&E highest degree field	Total				Female				Male			
	Number	Age younger than 30 (%)	Age 30–50 (%)	Age 51–75 (%)	Number	Age younger than 30 (%)	Age 30–50 (%)	Age 51–75 (%)	Number	Age younger than 30 (%)	Age 30–50 (%)	Age 51–75 (%)
Electrical and computer engineering	1,112,000	13.4	57.6	29.1	138,000	18.1	65.9	15.9	974,000	12.6	56.4	31.0
Industrial engineering	201,000	13.4	51.2	35.3	59,000	22.0	59.3	20.3	141,000	9.9	48.2	42.6
Mechanical engineering	659,000	21.1	45.8	33.1	67,000	43.3	46.3	10.4	592,000	18.6	45.9	35.6
Other engineering	421,000	16.9	48.7	34.7	92,000	21.7	62.0	16.3	329,000	15.5	45.0	39.8
S&E-related fields	6,191,000	14.1	51.2	34.6	3,840,000	17.0	51.5	31.5	2,350,000	9.4	50.8	39.8
Health	4,933,000	14.3	51.9	33.8	3,384,000	17.0	52.3	30.7	1,549,000	8.5	51.1	40.4
Science and mathematics teacher education	404,000	10.4	47.8	41.8	239,000	11.3	46.9	42.3	165,000	9.1	49.1	41.8
Technology and technical fields	413,000	9.4	53.8	36.8	56,000	10.7	55.4	33.9	357,000	9.2	53.5	37.3
Other S&E-related fields	441,000	20.0	44.2	36.1	162,000	27.8	39.5	32.1	279,000	15.1	46.6	38.4
Non-S&E fields	5,618,000	9.4	53.6	37.0	2,680,000	10.7	57.2	32.2	2,937,000	8.1	50.4	41.5
Management and administration fields	1,800,000	4.8	55.8	39.4	591,000	6.3	56.7	37.1	1,208,000	4.1	55.5	40.5
Education, except science and mathematics teacher education	1,124,000	8.9	55.2	36.0	810,000	10.2	57.3	32.5	314,000	5.4	49.7	45.2



S&E highest degree field	Total				Female				Male			
	Number	Age younger than 30 (%)	Age 30-50 (%)	Age 51-75 (%)	Number	Age younger than 30 (%)	Age 30-50 (%)	Age 51-75 (%)	Number	Age younger than 30 (%)	Age 30-50 (%)	Age 51-75 (%)
Social service and related fields	423,000	9.0	43.7	47.0	240,000	10.8	48.8	40.4	182,000	6.6	37.4	56.0
Sales and marketing fields	145,000	s	49.0	39.3	53,000	11.3	56.6	32.1	93,000	s	45.2	43.0
Arts and humanities fields	653,000	20.8	47.2	31.9	252,000	13.9	51.2	34.9	401,000	25.2	44.6	29.9
Other non-S&E fields	1,473,000	10.0	55.9	34.1	735,000	13.6	62.2	24.1	739,000	6.5	49.5	43.8

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

**Note(s)**

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. Detail may not add to total because of rounding. Numbers are rounded to the nearest 1,000. Percentages are based on rounded numbers.

**Source(s)**

National Science Foundation, National Center for Science and Engineering Statistics, National Survey of College Graduates (NSCG) (2015), <https://www.nsf.gov/statistics/srvygrads/>.

*Science and Engineering Indicators 2018*