

TABLE A-10. Standard errors for U.S. scientists and engineers, by level and field of highest degree, age, and employment status: 2006

Level and field of highest degree and age (years)	All scientists and engineers	Employed			Unemployed/ seeking job	Not in labor force		
		Total	Full time	Part time		Total	Retired	Not seeking job
All degree levels and fields ^a	91,000	83,000	81,000	41,000	16,000	41,000	34,000	28,000
<30	33,000	31,000	28,000	11,000	5,000	9,000	S	9,000
30-39	43,000	40,000	41,000	19,000	8,000	18,000	3,000	17,000
40-49	52,000	49,000	47,000	20,000	9,000	16,000	4,000	16,000
50-59	48,000	45,000	42,000	21,000	8,000	17,000	11,000	13,000
60+	44,000	29,000	25,000	17,000	7,000	32,000	31,000	8,000
S&E fields	73,000	66,000	65,000	26,000	13,000	33,000	25,000	23,000
<30	23,000	21,000	21,000	8,000	4,000	8,000	S	8,000
30-39	34,000	33,000	32,000	12,000	7,000	13,000	2,000	13,000
40-49	36,000	32,000	32,000	14,000	7,000	13,000	2,000	13,000
50-59	36,000	33,000	32,000	14,000	7,000	13,000	8,000	10,000
60+	31,000	20,000	17,000	12,000	5,000	23,000	22,000	7,000
Sciences	68,000	63,000	59,000	25,000	13,000	31,000	22,000	23,000
<30	21,000	20,000	19,000	8,000	4,000	8,000	S	8,000
30-39	33,000	32,000	31,000	12,000	6,000	13,000	2,000	13,000
40-49	33,000	30,000	29,000	13,000	6,000	12,000	2,000	12,000
50-59	36,000	33,000	31,000	14,000	7,000	13,000	7,000	10,000
60+	28,000	18,000	15,000	11,000	5,000	21,000	20,000	7,000
Biological/agricultural/environmental life sciences	30,000	28,000	25,000	11,000	5,000	13,000	9,000	10,000
<30	8,000	8,000	8,000	4,000	2,000	5,000	S	5,000
30-39	17,000	17,000	16,000	5,000	3,000	5,000	*	5,000
40-49	17,000	15,000	15,000	5,000	3,000	5,000	*	5,000
50-59	14,000	13,000	13,000	6,000	2,000	4,000	3,000	4,000
60+	11,000	7,000	6,000	4,000	2,000	8,000	8,000	2,000
Computer/mathematical sciences	25,000	23,000	22,000	9,000	5,000	11,000	7,000	8,000
<30	7,000	7,000	7,000	2,000	2,000	2,000	S	2,000
30-39	12,000	12,000	12,000	3,000	3,000	4,000	S	4,000
40-49	16,000	14,000	13,000	5,000	3,000	4,000	1,000	4,000
50-59	10,000	10,000	9,000	4,000	2,000	5,000	3,000	4,000
60+	9,000	6,000	4,000	4,000	1,000	7,000	7,000	3,000
Physical/related sciences	16,000	14,000	13,000	5,000	3,000	8,000	7,000	4,000
<30	3,000	3,000	3,000	1,000	500	1,000	S	1,000
30-39	7,000	6,000	6,000	2,000	1,000	2,000	*	2,000
40-49	9,000	9,000	8,000	2,000	1,000	2,000	500	2,000
50-59	9,000	8,000	7,000	3,000	2,000	4,000	2,000	2,000
60+	9,000	5,000	5,000	3,000	2,000	7,000	6,000	2,000
Social/related sciences	54,000	50,000	46,000	21,000	9,000	23,000	16,000	19,000
<30	17,000	15,000	15,000	7,000	3,000	6,000	S	6,000
30-39	30,000	26,000	25,000	10,000	4,000	11,000	2,000	11,000

TABLE A-10. Standard errors for U.S. scientists and engineers, by level and field of highest degree, age, and employment status: 2006

Level and field of highest degree and age (years)	All scientists and engineers	Employed			Unemployed/ seeking job	Not in labor force		
		Total	Full time	Part time		Total	Retired	Not seeking job
40-49	24,000	22,000	20,000	12,000	4,000	9,000	2,000	9,000
50-59	30,000	26,000	25,000	10,000	5,000	11,000	7,000	8,000
60+	22,000	15,000	12,000	9,000	4,000	15,000	15,000	5,000
Engineering	32,000	27,000	27,000	7,000	4,000	13,000	12,000	6,000
<30	5,000	5,000	5,000	2,000	1,000	2,000	S	2,000
30-39	12,000	11,000	11,000	3,000	2,000	2,000	500	2,000
40-49	16,000	15,000	15,000	3,000	2,000	4,000	1,000	4,000
50-59	12,000	12,000	12,000	3,000	2,000	4,000	3,000	2,000
60+	14,000	8,000	7,000	5,000	2,000	11,000	11,000	2,000
S&E-related fields	46,000	43,000	37,000	23,000	6,000	19,000	15,000	13,000
<30	15,000	14,000	12,000	6,000	2,000	4,000	S	4,000
30-39	22,000	21,000	20,000	12,000	3,000	8,000	S	8,000
40-49	24,000	23,000	22,000	15,000	4,000	10,000	3,000	9,000
50-59	23,000	21,000	19,000	12,000	3,000	10,000	7,000	7,000
60+	18,000	14,000	11,000	9,000	2,000	13,000	13,000	4,000
Non-S&E fields	53,000	47,000	42,000	18,000	7,000	21,000	16,000	12,000
<30	11,000	11,000	10,000	2,000	2,000	2,000	S	2,000
30-39	26,000	24,000	23,000	9,000	4,000	7,000	S	7,000
40-49	29,000	28,000	25,000	10,000	4,000	7,000	2,000	7,000
50-59	27,000	25,000	23,000	9,000	3,000	8,000	6,000	5,000
60+	22,000	16,000	14,000	9,000	3,000	14,000	14,000	3,000
Bachelor's degrees	76,000	70,000	68,000	33,000	13,000	33,000	28,000	24,000
<30	30,000	29,000	26,000	10,000	5,000	8,000	S	8,000
30-39	37,000	35,000	34,000	16,000	7,000	16,000	2,000	15,000
40-49	40,000	38,000	35,000	17,000	7,000	14,000	3,000	13,000
50-59	36,000	33,000	31,000	17,000	7,000	14,000	9,000	11,000
60+	33,000	19,000	16,000	11,000	5,000	26,000	25,000	7,000
S&E fields	68,000	61,000	60,000	24,000	12,000	31,000	23,000	21,000
<30	22,000	21,000	20,000	8,000	4,000	8,000	S	8,000
30-39	33,000	31,000	31,000	12,000	6,000	13,000	2,000	13,000
40-49	33,000	30,000	29,000	13,000	6,000	12,000	2,000	12,000
50-59	32,000	29,000	28,000	13,000	6,000	12,000	8,000	9,000
60+	28,000	16,000	14,000	10,000	5,000	22,000	20,000	6,000
Sciences	65,000	60,000	57,000	23,000	12,000	29,000	21,000	22,000
<30	20,000	19,000	19,000	8,000	4,000	8,000	S	8,000
30-39	32,000	31,000	30,000	11,000	6,000	13,000	2,000	13,000
40-49	31,000	28,000	26,000	13,000	6,000	11,000	2,000	11,000
50-59	33,000	30,000	28,000	12,000	6,000	12,000	7,000	9,000
60+	24,000	14,000	13,000	8,000	5,000	19,000	18,000	6,000

TABLE A-10. Standard errors for U.S. scientists and engineers, by level and field of highest degree, age, and employment status: 2006

Level and field of highest degree and age (years)	All scientists and engineers	Employed			Unemployed/ seeking job	Not in labor force		
		Total	Full time	Part time		Total	Retired	Not seeking job
Biological/agricultural/environmental life sciences	29,000	27,000	24,000	10,000	5,000	12,000	8,000	9,000
<30	8,000	8,000	8,000	4,000	2,000	5,000	S	5,000
30-39	17,000	16,000	15,000	5,000	3,000	5,000	S	5,000
40-49	16,000	14,000	14,000	5,000	3,000	5,000	S	5,000
50-59	13,000	13,000	12,000	5,000	2,000	4,000	2,000	3,000
60+	9,000	5,000	5,000	3,000	1,000	8,000	8,000	2,000
Computer/mathematical sciences	23,000	21,000	20,000	9,000	5,000	10,000	6,000	7,000
<30	7,000	7,000	7,000	2,000	2,000	2,000	S	2,000
30-39	12,000	11,000	11,000	3,000	2,000	4,000	S	4,000
40-49	13,000	13,000	12,000	5,000	3,000	4,000	S	4,000
50-59	9,000	8,000	8,000	4,000	2,000	5,000	3,000	4,000
60+	7,000	5,000	4,000	3,000	1,000	6,000	5,000	2,000
Physical/related sciences	15,000	13,000	12,000	4,000	3,000	8,000	7,000	4,000
<30	3,000	3,000	3,000	1,000	500	1,000	S	1,000
30-39	7,000	6,000	6,000	2,000	1,000	2,000	S	2,000
40-49	9,000	8,000	8,000	2,000	500	2,000	S	2,000
50-59	8,000	7,000	7,000	2,000	2,000	4,000	2,000	2,000
60+	8,000	4,000	4,000	2,000	2,000	6,000	6,000	S
Social/related sciences	50,000	46,000	43,000	20,000	9,000	22,000	14,000	18,000
<30	16,000	15,000	14,000	6,000	3,000	6,000	S	6,000
30-39	28,000	25,000	23,000	10,000	4,000	11,000	S	11,000
40-49	22,000	21,000	18,000	11,000	4,000	8,000	2,000	8,000
50-59	26,000	23,000	22,000	9,000	5,000	10,000	6,000	8,000
60+	18,000	12,000	10,000	7,000	4,000	13,000	13,000	4,000
Engineering	29,000	24,000	24,000	7,000	4,000	11,000	10,000	5,000
<30	5,000	5,000	5,000	1,000	1,000	1,000	S	1,000
30-39	11,000	11,000	11,000	3,000	2,000	2,000	S	2,000
40-49	13,000	12,000	12,000	3,000	2,000	4,000	1,000	4,000
50-59	11,000	11,000	11,000	3,000	2,000	4,000	3,000	2,000
60+	13,000	8,000	6,000	4,000	2,000	10,000	10,000	1,000
S&E-related fields	41,000	38,000	33,000	21,000	5,000	17,000	13,000	12,000
<30	12,000	11,000	9,000	5,000	1,000	3,000	S	3,000
30-39	18,000	17,000	16,000	11,000	3,000	7,000	S	7,000
40-49	21,000	21,000	19,000	12,000	3,000	8,000	2,000	7,000
50-59	19,000	18,000	17,000	10,000	2,000	8,000	5,000	6,000
60+	15,000	10,000	8,000	6,000	2,000	12,000	12,000	3,000
Non-S&E fields	29,000	28,000	24,000	10,000	3,000	7,000	5,000	5,000
<30	4,000	4,000	4,000	S	S	S	S	S
30-39	13,000	13,000	12,000	6,000	1,000	3,000	S	3,000

TABLE A-10. Standard errors for U.S. scientists and engineers, by level and field of highest degree, age, and employment status: 2006

Level and field of highest degree and age (years)	All scientists and engineers	Employed			Unemployed/ seeking job	Not in labor force		
		Total	Full time	Part time		Total	Retired	Not seeking job
40-49	17,000	16,000	15,000	5,000	2,000	3,000	S	3,000
50-59	14,000	13,000	12,000	5,000	2,000	4,000	2,000	3,000
60+	8,000	7,000	6,000	3,000	1,000	5,000	5,000	S
Master's degrees	51,000	46,000	43,000	21,000	8,000	22,000	18,000	13,000
<30	11,000	11,000	10,000	4,000	1,000	2,000	S	2,000
30-39	24,000	23,000	23,000	9,000	4,000	8,000	S	8,000
40-49	29,000	27,000	25,000	9,000	4,000	8,000	2,000	7,000
50-59	28,000	26,000	25,000	12,000	3,000	8,000	6,000	6,000
60+	23,000	18,000	15,000	12,000	4,000	17,000	17,000	3,000
S&E fields	30,000	26,000	23,000	10,000	4,000	14,000	11,000	7,000
<30	5,000	5,000	4,000	2,000	1,000	1,000	S	1,000
30-39	10,000	10,000	10,000	4,000	2,000	4,000	S	4,000
40-49	13,000	13,000	12,000	5,000	2,000	4,000	1,000	4,000
50-59	16,000	15,000	14,000	5,000	2,000	5,000	4,000	3,000
60+	15,000	11,000	9,000	7,000	2,000	10,000	10,000	3,000
Sciences	27,000	22,000	20,000	10,000	3,000	12,000	10,000	6,000
<30	4,000	4,000	4,000	2,000	1,000	1,000	S	1,000
30-39	9,000	9,000	9,000	4,000	1,000	3,000	S	3,000
40-49	13,000	12,000	12,000	4,000	2,000	4,000	1,000	3,000
50-59	14,000	13,000	12,000	5,000	2,000	4,000	3,000	3,000
60+	14,000	10,000	8,000	6,000	1,000	10,000	9,000	2,000
Biological/agricultural/environmental life sciences	9,000	8,000	8,000	4,000	1,000	5,000	4,000	2,000
<30	1,000	1,000	1,000	1,000	500	1,000	S	1,000
30-39	4,000	4,000	4,000	2,000	500	1,000	S	1,000
40-49	5,000	5,000	5,000	2,000	*	1,000	S	1,000
50-59	5,000	5,000	4,000	1,000	1,000	1,000	1,000	1,000
60+	5,000	3,000	3,000	2,000	S	4,000	4,000	S
Computer/mathematical sciences	12,000	10,000	10,000	3,000	2,000	4,000	4,000	2,000
<30	2,000	2,000	2,000	1,000	500	1,000	S	1,000
30-39	5,000	5,000	5,000	1,000	1,000	1,000	S	1,000
40-49	6,000	6,000	6,000	2,000	1,000	1,000	S	1,000
50-59	6,000	6,000	5,000	2,000	500	2,000	1,000	1,000
60+	5,000	3,000	3,000	2,000	1,000	4,000	3,000	S
Physical/related sciences	7,000	6,000	5,000	3,000	1,000	3,000	3,000	1,000
<30	1,000	1,000	1,000	500	S	500	S	500
30-39	2,000	2,000	2,000	500	S	1,000	S	1,000
40-49	3,000	3,000	3,000	1,000	S	1,000	S	1,000
50-59	3,000	3,000	3,000	2,000	S	1,000	S	S
60+	4,000	3,000	2,000	2,000	500	3,000	3,000	S

TABLE A-10. Standard errors for U.S. scientists and engineers, by level and field of highest degree, age, and employment status: 2006

Level and field of highest degree and age (years)	All scientists and engineers	Employed			Unemployed/ seeking job	Not in labor force		
		Total	Full time	Part time		Total	Retired	Not seeking job
Social/related sciences	20,000	17,000	15,000	8,000	2,000	10,000	8,000	5,000
<30	3,000	3,000	3,000	1,000	500	1,000	S	1,000
30-39	7,000	7,000	7,000	3,000	1,000	3,000	S	2,000
40-49	9,000	8,000	7,000	4,000	2,000	3,000	S	3,000
50-59	12,000	11,000	10,000	4,000	1,000	4,000	3,000	2,000
60+	11,000	8,000	6,000	5,000	1,000	8,000	8,000	2,000
Engineering	13,000	12,000	11,000	3,000	2,000	7,000	6,000	3,000
<30	2,000	3,000	2,000	1,000	500	1,000	S	1,000
30-39	5,000	5,000	5,000	1,000	1,000	1,000	S	1,000
40-49	7,000	7,000	7,000	1,000	1,000	1,000	S	1,000
50-59	5,000	5,000	5,000	2,000	1,000	1,000	1,000	1,000
60+	7,000	4,000	4,000	2,000	2,000	6,000	5,000	1,000
S&E-related fields	21,000	19,000	17,000	11,000	3,000	10,000	7,000	6,000
<30	6,000	6,000	5,000	3,000	500	1,000	S	1,000
30-39	11,000	10,000	10,000	5,000	1,000	3,000	S	3,000
40-49	13,000	12,000	12,000	5,000	2,000	4,000	S	4,000
50-59	11,000	11,000	9,000	6,000	2,000	4,000	3,000	3,000
60+	9,000	7,000	4,000	5,000	1,000	7,000	7,000	2,000
Non-S&E fields	41,000	36,000	34,000	15,000	6,000	17,000	14,000	9,000
<30	8,000	8,000	7,000	2,000	1,000	1,000	S	1,000
30-39	20,000	18,000	18,000	7,000	3,000	6,000	S	6,000
40-49	20,000	20,000	18,000	7,000	3,000	5,000	S	5,000
50-59	20,000	19,000	18,000	8,000	2,000	6,000	5,000	4,000
60+	17,000	12,000	10,000	7,000	3,000	12,000	12,000	2,000
Doctorate degrees	10,000	9,000	9,000	4,000	2,000	4,000	4,000	2,000
<30	2,000	2,000	2,000	500	*	*	S	*
30-39	4,000	4,000	4,000	1,000	1,000	1,000	500	1,000
40-49	5,000	4,000	4,000	1,000	500	1,000	500	1,000
50-59	6,000	6,000	5,000	2,000	1,000	2,000	2,000	500
60+	5,000	4,000	4,000	2,000	500	3,000	3,000	1,000
S&E fields	5,000	5,000	5,000	2,000	1,000	2,000	2,000	1,000
<30	1,000	1,000	1,000	500	*	*	S	*
30-39	3,000	2,000	2,000	1,000	1,000	500	500	500
40-49	3,000	3,000	3,000	1,000	500	1,000	500	1,000
50-59	2,000	2,000	2,000	1,000	500	1,000	500	500
60+	2,000	2,000	2,000	1,000	500	2,000	2,000	1,000
Sciences	4,000	4,000	4,000	1,000	1,000	2,000	2,000	1,000
<30	1,000	1,000	1,000	500	S	*	S	*
30-39	2,000	2,000	2,000	1,000	1,000	500	500	500

TABLE A-10. Standard errors for U.S. scientists and engineers, by level and field of highest degree, age, and employment status: 2006

Level and field of highest degree and age (years)	All scientists and engineers	Employed			Unemployed/ seeking job	Not in labor force		
		Total	Full time	Part time		Total	Retired	Not seeking job
40-49	3,000	3,000	3,000	1,000	500	1,000	500	1,000
50-59	2,000	2,000	2,000	1,000	500	1,000	500	500
60+	2,000	2,000	2,000	1,000	500	2,000	1,000	500
Biological/agricultural/environmental life sciences	3,000	3,000	3,000	1,000	1,000	1,000	1,000	500
<30	1,000	1,000	1,000	S	S	S	S	S
30-39	2,000	1,000	1,000	500	1,000	500	*	500
40-49	2,000	2,000	2,000	500	500	500	*	500
50-59	1,000	1,000	1,000	1,000	500	500	500	500
60+	1,000	1,000	1,000	1,000	500	1,000	1,000	*
Computer/mathematical sciences	2,000	2,000	2,000	500	*	500	500	*
<30	1,000	1,000	1,000	S	S	S	S	S
30-39	1,000	1,000	1,000	500	S	*	S	*
40-49	1,000	1,000	1,000	500	S	*	*	*
50-59	1,000	1,000	1,000	500	S	*	*	S
60+	1,000	1,000	1,000	500	*	500	500	S
Physical/related sciences	2,000	2,000	2,000	1,000	500	1,000	1,000	1,000
<30	500	500	500	S	S	S	S	S
30-39	1,000	1,000	1,000	500	*	500	*	*
40-49	1,000	1,000	1,000	500	500	500	*	500
50-59	1,000	1,000	1,000	500	500	500	500	*
60+	1,000	1,000	1,000	500	500	1,000	1,000	500
Social/related sciences	2,000	2,000	2,000	1,000	500	1,000	1,000	1,000
<30	500	500	500	500	S	S	S	S
30-39	1,000	1,000	1,000	500	*	500	*	500
40-49	1,000	1,000	1,000	500	*	500	*	500
50-59	1,000	1,000	1,000	1,000	500	1,000	500	500
60+	1,000	1,000	1,000	1,000	500	1,000	1,000	500
Engineering	2,000	2,000	2,000	1,000	500	1,000	1,000	500
<30	500	500	500	S	S	S	S	S
30-39	1,000	1,000	1,000	500	*	500	*	*
40-49	1,000	1,000	1,000	500	*	500	*	500
50-59	1,000	1,000	1,000	500	500	500	500	*
60+	1,000	1,000	1,000	1,000	500	1,000	1,000	500
S&E-related fields	3,000	3,000	3,000	1,000	*	2,000	2,000	500
<30	1,000	1,000	1,000	S	S	S	S	S
30-39	2,000	2,000	1,000	1,000	S	*	S	*
40-49	2,000	2,000	2,000	500	S	*	S	*
50-59	2,000	2,000	2,000	1,000	*	1,000	1,000	*
60+	2,000	1,000	1,000	500	S	1,000	1,000	*

TABLE A-10. Standard errors for U.S. scientists and engineers, by level and field of highest degree, age, and employment status: 2006

Level and field of highest degree and age (years)	All scientists and engineers	Employed			Unemployed/ seeking job	Not in labor force		
		Total	Full time	Part time		Total	Retired	Not seeking job
		Non-S&E fields	7,000	7,000		6,000	3,000	S
<30	1,000	1,000	1,000	S	S	S	S	S
30-39	3,000	2,000	2,000	S	S	S	S	S
40-49	3,000	3,000	3,000	1,000	S	S	S	S
50-59	5,000	5,000	4,000	2,000	S	2,000	2,000	S
60+	4,000	4,000	3,000	2,000	S	3,000	3,000	S

* = standard error is not calculated when estimate is less than 500; S = standard error is not calculated when estimate is suppressed for reliability or confidentiality.

S&E = science and engineering.

^a Total includes professional degrees not broken out separately.

NOTES: Scientists and engineers include any person who has ever received a bachelor's or higher degree in a science or engineering (S&E) or S&E-related field through 2005, plus any person holding a non-S&E bachelor's or higher degree who was employed in a S&E or S&E-related occupation in 2003. See <http://sestat.nsf.gov/docs/ed03maj.html> for a detailed description of the educational field classification. Standard errors of less than 500 are rounded up to 500, and standard errors equal to or greater than 500 are rounded up to the nearest thousand.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT): 2006.