

Appendix table 3-3

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Employment and earnings in S&E and related occupations, by occupation: May 2004

(Dollars)

Occupation	All employed (n)	Annual earnings					
		Mean	10th percentile	25th percentile	Median	75th percentile	90th percentile
All occupations	128,127,360	37,020	14,880	19,300	28,770	45,060	68,510
Scientists, engineers, technicians, and technical managers	7,160,770	65,170	31,940	43,710	60,730	82,460	105,840
Technical managers	494,010	99,700	56,770	74,070	94,400	119,460	D
Computer and information systems managers.....	267,390	98,260	53,350	71,650	92,570	118,330	D
Engineering managers	186,380	102,600	63,750	78,820	97,630	121,090	D
Natural sciences managers.....	40,240	95,800	47,910	64,550	88,660	118,210	D
Scientists/engineers	5,085,740	66,940	35,270	47,350	63,870	83,740	105,030
Engineers.....	1,487,810	72,770	44,740	55,130	70,030	87,670	108,050
Aerospace engineers.....	73,650	80,460	52,820	64,380	79,100	94,900	113,520
Agricultural engineers	3,220	60,400	37,680	43,270	56,520	77,740	90,410
Biomedical engineers.....	8,650	70,800	41,260	51,620	67,690	86,400	107,530
Chemical engineers	30,320	80,050	49,030	60,920	76,770	94,740	115,180
Civil engineers	218,220	66,930	42,610	51,430	64,230	79,920	94,660
Computer hardware engineers	74,760	84,010	50,490	63,730	81,150	102,100	123,560
Electrical engineers.....	148,310	74,220	47,310	57,540	71,610	88,400	108,070
Electronics engineers, except computer	135,560	77,450	49,120	60,280	75,770	92,870	112,200
Environmental engineers.....	47,690	68,350	40,620	50,740	66,480	83,690	100,050
Health and safety engineers, except mining safety engineers and inspectors	25,860	66,110	39,930	49,900	63,730	79,500	92,870
Industrial engineers.....	174,960	66,660	42,450	52,210	65,020	79,830	93,950
Marine engineers and naval architects	6,620	73,720	43,790	54,530	72,040	89,900	109,190
Materials engineers.....	21,130	69,390	44,130	53,510	67,110	83,830	101,120
Mechanical engineers	217,010	68,460	43,900	53,070	66,320	82,380	97,850
Mining and geological engineers, including mining safety engineers	5,050	68,160	39,700	50,500	64,690	83,050	103,790
Nuclear engineers	17,180	88,760	61,790	73,340	84,880	100,220	118,870
Petroleum engineers	14,690	91,820	48,260	65,350	88,500	113,180	140,800
Engineers, all other	159,720	75,540	44,630	57,880	74,430	91,280	111,580
Engineering teachers, postsecondary	33,520	77,070	38,700	53,430	72,140	93,420	122,290
Sales engineers	71,690	75,740	41,430	53,270	70,620	91,500	117,260
Mathematical and computer scientists	2,566,170	65,070	33,170	45,190	62,170	82,360	102,860
Computer and information scientists, research.....	24,720	88,020	48,930	64,860	85,190	108,440	132,700
Computer software engineers, applications.....	425,890	77,330	46,520	59,130	74,980	92,130	113,830
Computer software engineers, systems software	318,020	82,160	50,420	63,150	79,740	98,220	118,350
Computer support specialists	488,540	43,620	24,190	30,980	40,430	53,010	69,110
Computer systems analysts	489,130	68,370	41,730	52,400	66,460	82,980	99,180
Database administrators	96,960	63,460	33,380	44,490	60,650	81,140	97,450
Network and computer systems administrators.....	259,320	61,470	37,100	46,260	58,190	73,620	91,300
Network systems and data communications analysts....	169,200	63,410	36,260	46,480	60,600	78,060	95,040
Computer specialists, all other	130,420	63,030	28,640	41,160	59,480	81,530	103,620
Mathematicians	2,410	81,500	43,160	60,050	81,240	101,360	120,900
Operations research analysts	55,030	63,420	36,180	45,640	60,190	78,420	95,990
Statisticians	17,030	63,260	32,870	42,770	58,620	80,690	100,500
Mathematical science occupations, all other	8,500	61,710	37,380	50,690	62,360	72,990	86,070
Computer science teachers, postsecondary.....	37,260	58,140	28,670	38,710	52,630	72,210	94,980
Mathematical science teachers, postsecondary.....	43,760	57,240	29,560	39,390	52,450	70,170	91,240
Life scientists.....	275,500	64,960	32,330	42,280	57,680	79,610	108,290
Animal scientists.....	1,540	53,800	31,670	39,220	49,920	63,920	82,600
Food scientists and technologists.....	7,210	56,110	28,410	36,450	50,840	72,510	91,300
Soil and plant scientists	9,690	55,470	30,660	37,890	51,200	69,120	88,840
Biochemists and biophysicists.....	15,200	71,730	38,710	49,430	68,950	88,540	110,660
Microbiologists.....	13,880	61,250	32,630	41,000	54,840	74,260	101,720
Zoologists and wildlife biologists	15,050	53,120	31,450	39,150	50,330	63,800	81,200
Biological scientists, all other	26,180	60,370	30,580	40,940	56,270	74,500	94,070
Conservation scientists	14,290	53,500	30,740	39,660	52,480	65,550	78,470
Foresters.....	10,250	49,730	29,770	37,260	48,230	60,500	72,050
Epidemiologists.....	4,560	58,060	36,130	45,320	54,800	67,160	82,310

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Employment and earnings in S&E and related occupations, by occupation: May 2004

(Dollars)

Occupation	All employed (n)	Annual earnings					
		Mean	10th percentile	25th percentile	Median	75th percentile	90th percentile
Medical scientists, except epidemiologists	66,450	68,730	33,030	44,120	61,320	86,830	114,360
Life scientists, all other	13,870	63,710	30,870	39,740	55,430	77,070	106,340
Agricultural sciences teachers, postsecondary	10,230	67,520	35,920	47,380	65,190	84,160	105,750
Biological science teachers, postsecondary	60,260	73,220	33,200	43,890	61,940	90,410	131,390
Forestry and conservation science teachers, postsecondary	2,970	67,660	39,320	48,840	65,530	83,690	104,260
Environmental science teachers, postsecondary	3,860	66,790	32,170	44,390	62,330	85,030	109,760
Physical scientists	273,360	66,050	34,060	43,890	59,960	83,200	108,880
Astronomers	680	93,580	43,410	66,190	97,320	120,350	137,860
Physicists	14,150	89,090	49,450	66,590	87,450	109,420	132,780
Atmospheric and space scientists	7,070	69,590	34,590	48,880	70,100	86,610	106,020
Chemists	79,650	61,220	33,170	41,900	56,060	76,080	98,010
Materials scientists	7,330	74,390	40,030	53,350	72,390	92,340	113,460
Environmental scientists and specialists, including health	66,850	55,190	31,610	39,100	51,080	67,360	85,940
Geoscientists, except hydrologists and geographers	25,100	76,870	37,700	49,260	68,730	98,380	130,750
Hydrologists	7,290	64,100	38,580	47,080	61,510	77,910	94,460
Physical scientists, all other	25,260	81,560	38,080	56,340	80,150	105,910	123,890
Atmospheric, earth, marine, and space sciences teachers, postsecondary	8,660	70,300	36,540	48,550	65,350	88,740	113,380
Chemistry teachers, postsecondary	18,720	63,520	33,200	43,480	56,660	76,200	102,230
Physics teachers, postsecondary	12,590	69,210	36,810	48,450	64,510	84,790	110,400
Social scientists	482,900	60,570	29,430	39,910	54,940	74,890	98,770
Economists	12,030	79,770	41,040	53,650	72,780	96,240	129,170
Market research analysts	170,200	62,990	30,890	40,510	56,140	79,990	105,870
Survey researchers	19,480	32,010	15,330	17,920	26,490	41,390	56,740
Clinical, counseling, and school psychologists	96,540	60,810	32,280	41,850	54,950	71,880	92,250
Industrial-organizational psychologists	1,500	78,800	45,620	56,880	71,400	93,210	125,560
Psychologists, all other	6,480	69,740	28,840	48,280	71,910	87,380	107,380
Sociologists	3,640	63,350	32,720	42,990	57,870	80,650	104,450
Urban and regional planners	31,140	55,640	33,840	41,950	53,450	67,530	82,610
Anthropologists and archeologists	4,510	47,550	25,630	31,960	43,890	59,760	74,640
Geographers	750	59,600	35,410	46,190	58,970	71,600	86,270
Political scientists	4,370	85,770	41,270	59,780	86,750	109,600	131,400
Social scientists and related workers, all other	31,990	60,500	30,400	43,110	58,490	74,240	91,820
Social science research assistants	15,710	35,900	20,290	26,380	34,360	43,190	53,960
Anthropology and archeology teachers, postsecondary	4,990	66,060	37,320	47,800	60,860	80,900	105,070
Economics teachers, postsecondary	12,230	73,280	35,180	49,360	67,520	89,030	118,220
Geography teachers, postsecondary	4,180	61,020	33,590	44,340	57,510	75,880	93,520
Political science teachers, postsecondary	13,230	64,950	34,380	44,050	58,980	78,870	105,830
Psychology teachers, postsecondary	29,400	60,800	31,290	42,270	55,600	73,420	96,210
Sociology teachers, postsecondary	14,220	59,830	30,480	41,140	54,860	72,650	93,740
Social sciences teachers, postsecondary, all other	6,310	68,460	35,140	45,240	61,230	85,570	116,980
Technicians	1,581,010	48,890	25,520	33,350	44,850	59,530	78,840
Computer programmers	412,090	65,910	36,470	47,580	62,890	81,280	99,610
Mathematical technicians	1,720	43,650	25,050	29,630	38,460	52,680	68,820
Surveyors	52,680	46,080	24,640	31,940	42,980	57,190	71,640
Architectural and civil drafters	101,060	40,750	25,670	31,460	39,190	47,800	57,670
Electrical and electronics drafters	34,850	46,760	27,600	33,920	43,180	56,110	72,050
Mechanical drafters	76,610	45,140	27,490	34,090	43,000	54,240	67,650
Drafters, all other	22,620	45,560	23,860	31,630	41,860	55,880	79,660
Aerospace engineering and operations technicians	9,260	54,040	33,780	42,390	52,500	63,760	75,370
Civil engineering technicians	90,000	39,900	24,180	29,880	38,480	48,590	57,550
Electrical and electronic engineering technicians	178,560	47,130	29,000	36,290	46,310	55,750	67,900
Electro-mechanical technicians	18,770	43,130	27,890	33,380	41,440	51,580	62,720
Environmental engineering technicians	19,840	40,660	23,760	29,310	38,550	50,180	62,490
Industrial engineering technicians	68,210	47,080	28,530	34,690	43,590	56,090	72,150

Appendix table 3-3

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Employment and earnings in S&E and related occupations, by occupation: May 2004

(Dollars)

Occupation	All employed (n)	Annual earnings					
		Mean	10th percentile	25th percentile	Median	75th percentile	90th percentile
Mechanical engineering technicians.....	46,990	45,050	28,550	35,030	43,400	54,020	65,870
Engineering technicians, except drafters, all other.....	88,100	49,630	28,740	38,020	49,440	60,070	71,220
Surveying and mapping technicians.....	60,530	32,780	19,140	23,600	30,380	40,100	51,070
Agricultural and food science technicians.....	18,940	31,980	19,100	23,800	29,730	38,050	48,120
Biological technicians.....	59,710	35,450	21,960	26,480	33,210	42,320	53,360
Chemical technicians.....	61,700	39,600	23,550	29,740	38,170	47,910	57,550
Geological and petroleum technicians.....	10,420	43,360	19,830	28,590	40,260	54,510	70,220
Nuclear technicians.....	7,210	58,830	29,490	47,470	59,200	71,470	86,120
Environmental science and protection technicians, including health.....	29,460	37,230	21,560	27,470	35,340	45,030	56,190
Forensic science technicians.....	9,230	47,490	27,310	34,570	44,010	56,260	71,650
Forest and conservation technicians.....	29,910	30,770	20,070	23,460	27,330	35,630	44,420
Life, physical, and social science technicians, all other....	72,580	42,680	21,600	28,000	37,840	52,520	70,230
Other S&E-related.....	6,914,070	58,640	25,510	35,520	48,650	67,130	98,890
Actuaries.....	16,350	87,460	43,380	54,770	76,340	107,650	D
Architects, except landscape and naval.....	94,280	66,230	38,060	46,690	60,300	79,230	99,800
Landscape architects.....	17,960	57,680	32,390	40,930	53,120	70,400	90,850
Cartographers and photogrammetrists.....	9,870	48,830	28,210	35,160	46,080	59,830	74,440
Architecture teachers, postsecondary.....	5,700	65,510	34,010	47,080	59,990	77,580	97,790
Healthcare practitioner and technical workers.....	6,769,900	58,080	25,140	35,000	48,000	66,370	97,750
Medical and health services managers.....	224,070	75,140	41,450	52,530	67,430	88,210	117,990
Health educators.....	46,490	42,120	23,270	29,480	38,480	52,140	67,340
Health specialties teachers, postsecondary.....	105,610	76,720	28,360	42,180	64,630	96,750	D
Nursing instructors and teachers, postsecondary.....	34,360	55,770	32,470	41,270	52,060	66,130	84,410
Chiropractors.....	21,830	87,390	33,740	46,710	69,910	118,280	D
Dentists, general.....	84,240	132,850	58,600	83,790	123,060	D	D
Oral and maxillofacial surgeons.....	4,950	165,750	66,720	126,860	D	D	D
Orthodontists.....	6,190	150,700	34,710	92,730	D	D	D
Prosthodontists.....	730	145,670	65,540	81,970	D	D	D
Dentists, all other specialists.....	2,710	130,300	47,180	69,350	126,130	D	D
Dietitians and nutritionists.....	46,530	44,640	27,500	35,940	43,630	53,370	63,760
Optometrists.....	22,780	96,780	41,590	63,840	88,410	118,320	D
Pharmacists.....	222,960	84,370	61,200	75,720	84,900	94,850	109,850
Anesthesiologists.....	25,130	174,250	102,680	145,590	D	D	D
Family and general practitioners.....	106,750	138,490	50,500	98,110	137,090	D	D
Internists, general.....	51,180	158,200	84,650	121,560	D	D	D
Obstetricians and gynecologists.....	20,850	176,270	96,170	D	D	D	D
Pediatricians, general.....	26,520	141,520	75,000	103,240	135,730	D	D
Psychiatrists.....	22,440	150,110	72,820	118,640	D	D	D
Surgeons.....	55,800	181,610	120,150	D	D	D	D
Physicians and surgeons, all other.....	162,720	137,610	43,360	88,260	140,270	D	D
Physician assistants.....	59,470	68,780	37,320	57,110	69,410	83,560	94,880
Podiatrists.....	7,550	108,400	42,230	63,030	94,400	D	D
Registered nurses.....	2,311,970	54,210	37,300	43,370	52,330	63,360	74,760
Audiologists.....	9,810	55,050	34,990	42,160	51,470	62,210	75,990
Occupational therapists.....	83,560	56,550	37,430	45,690	54,660	67,010	81,600
Physical therapists.....	142,940	62,390	42,010	50,330	60,180	71,760	88,580
Radiation therapists.....	14,470	60,420	38,550	47,380	57,700	69,650	83,340
Recreational therapists.....	23,050	34,280	20,130	25,520	32,900	42,130	51,800
Respiratory therapists.....	91,350	44,180	32,220	37,650	43,140	50,860	57,580
Speech-language pathologists.....	89,260	55,550	34,720	42,090	52,410	65,750	82,420
Therapists, all other.....	8,090	44,620	20,190	27,750	40,180	54,130	72,010
Veterinarians.....	46,090	75,030	39,020	51,420	66,590	88,060	118,430
Health diagnosing and treating practitioners, all other.....	56,920	92,300	28,070	40,060	57,970	D	D
Medical and clinical laboratory technologists.....	151,240	46,600	32,240	38,740	45,730	54,310	63,120
Medical and clinical laboratory technicians.....	141,720	32,120	20,410	24,890	30,840	37,770	45,680
Dental hygienists.....	155,810	59,440	37,540	47,260	58,350	70,340	84,660

Appendix table 3-3

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Employment and earnings in S&E and related occupations, by occupation: May 2004

(Dollars)

Occupation	All employed (n)	Annual earnings					
		Mean	10th percentile	25th percentile	Median	75th percentile	90th percentile
Cardiovascular technologists and technicians.....	43,540	39,710	21,790	27,890	38,690	50,130	59,000
Diagnostic medical sonographers.....	41,280	53,620	37,800	44,720	52,490	61,360	72,230
Nuclear medicine technologists.....	17,520	61,210	41,800	48,720	56,450	67,460	80,300
Radiologic technologists and technicians	177,220	44,530	30,020	36,170	43,350	52,430	60,210
Emergency medical technicians and paramedics	187,900	27,650	16,090	19,970	25,310	33,210	43,240
Dietetic technicians.....	24,630	24,730	14,830	17,650	22,990	30,080	36,390
Pharmacy technicians	255,290	24,700	16,550	19,550	23,650	28,820	34,560
Psychiatric technicians.....	59,010	27,940	17,330	20,450	25,540	33,630	43,340
Respiratory therapy technicians	24,190	37,440	24,640	30,490	36,740	43,830	52,280
Surgical technologists.....	82,280	34,770	23,940	28,560	34,010	40,750	45,990
Veterinary technologists and technicians.....	58,570	25,990	17,710	20,540	24,940	30,290	35,620
Licensed practical and licensed vocational nurses.....	702,740	34,840	24,480	28,830	33,970	40,670	46,270
Medical records and health information technicians.....	155,030	27,660	17,720	20,650	25,590	32,990	41,760
Opticians, dispensing	62,350	29,880	17,390	21,360	27,950	35,940	45,340
Orthotists and prosthetists	4,930	57,130	28,580	38,130	50,260	68,000	89,350
Health technologists and technicians, all other	72,390	37,650	20,790	25,930	34,230	44,270	56,530
Occupational health and safety specialists	36,360	53,110	30,590	39,580	51,570	65,370	79,530
Occupational health and safety technicians.....	11,190	44,320	22,860	29,900	42,130	56,640	70,460
Athletic trainers.....	13,100	36,350	20,770	27,140	33,940	42,380	53,760
Healthcare practitioners and technical workers, all other	52,240	37,860	18,830	24,320	33,360	46,660	61,730

D = suppressed to avoid disclosure of confidential information

SOURCE: Bureau of Labor Statistics, Occupational Employment Statistics Survey, May 2004.