

Appendix table 3-2

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Employment and earnings in S&E and related occupations, by occupation: May 2005

(Dollars)

Occupation	All employed (n)	Annual earnings					
		Mean	10th percentile	25th percentile	Median	75th percentile	90th percentile
All occupations	130,307,840	37,870	15,110	19,680	29,430	46,180	70,180
Scientists, engineers, technicians, and technical managers	7,256,190	67,150	32,850	44,970	62,500	84,910	109,190
Technical managers	487,140	103,290	59,670	76,950	98,060	123,750	D
Computer and information systems managers.....	259,330	102,360	57,300	75,240	96,520	123,140	D
Engineering managers	187,410	105,470	65,150	80,710	100,760	124,750	D
Natural sciences managers	40,400	99,140	50,260	67,700	93,090	122,170	D
Scientists/engineers	5,233,520	68,800	36,100	48,380	65,490	86,030	108,230
Engineers.....	1,514,180	75,010	45,790	56,740	72,020	90,170	111,190
Aerospace engineers.....	81,100	85,450	57,250	68,700	84,090	101,970	117,680
Agricultural engineers	3,170	66,370	41,160	50,940	64,890	81,600	92,750
Biomedical engineers.....	11,660	75,380	44,060	55,050	71,840	90,820	113,590
Chemical engineers	27,550	79,230	49,350	60,990	77,140	94,810	113,950
Civil engineers	229,700	69,480	44,410	53,080	66,190	82,850	100,040
Computer hardware engineers	78,580	87,170	52,470	66,630	84,420	105,960	128,300
Electrical engineers.....	144,920	76,060	47,750	58,860	73,510	90,320	110,570
Electronics engineers, except computer	130,050	79,990	50,090	61,950	78,030	96,580	114,630
Environmental engineers.....	50,140	70,720	42,570	52,710	68,090	85,940	104,610
Health and safety engineers, except mining safety engineers and inspectors.....	25,330	67,240	40,230	50,850	65,210	81,560	96,130
Industrial engineers.....	191,640	68,500	43,620	53,470	66,670	82,490	97,080
Marine engineers and naval architects	6,550	74,320	41,730	55,360	72,920	90,080	111,660
Materials engineers.....	20,950	71,390	44,090	54,790	69,660	86,870	105,330
Mechanical engineers	220,750	70,000	44,550	53,920	67,590	84,490	101,660
Mining and geological engineers, including mining safety engineers	5,680	75,070	43,290	53,780	70,070	90,090	119,130
Nuclear engineers	14,290	90,690	63,760	77,010	88,290	104,880	120,540
Petroleum engineers	14,860	97,350	51,410	68,850	93,000	119,990	D
Engineers, all other	152,940	77,570	43,140	58,760	77,150	94,860	114,260
Engineering teachers, postsecondary	34,500	78,780	39,690	54,430	74,540	96,790	124,600
Sales engineers	69,790	79,370	43,730	56,370	74,200	95,420	121,660
Mathematical and computer scientists	2,629,640	66,690	33,810	46,180	63,640	84,440	105,890
Computer and information scientists, research.....	25,890	94,030	52,680	70,090	91,230	113,830	139,760
Computer software engineers, applications	455,980	79,540	47,370	60,420	77,090	94,970	116,150
Computer software engineers, systems software	320,720	84,310	51,890	65,070	82,120	101,780	120,410
Computer support specialists	499,860	43,380	24,230	31,070	40,610	52,840	67,640
Computer systems analysts	492,120	70,430	43,080	54,070	68,300	85,210	102,750
Database administrators	99,380	65,590	35,400	46,920	63,250	83,040	100,930
Network and computer systems administrators.....	270,330	63,210	37,790	47,390	59,930	76,190	93,270
Network systems and data communications analysts.....	185,190	64,970	36,900	47,190	61,750	80,410	98,640
Computer specialists, all other	116,760	63,190	29,760	41,590	59,420	80,540	103,190
Mathematicians	2,930	81,150	41,750	57,530	80,920	102,200	121,770
Operations research analysts	52,530	65,940	37,310	47,400	62,180	81,350	101,570
Statisticians	17,480	66,130	35,110	45,260	62,450	83,830	104,580
Mathematical science occupations, all other	7,320	61,560	34,840	48,360	61,860	73,860	88,280
Computer science teachers, postsecondary.....	38,520	60,330	30,120	40,160	54,270	75,490	97,860
Mathematical science teachers, postsecondary.....	44,660	58,850	30,220	40,060	53,820	72,230	94,370
Life scientists.....	290,950	67,070	33,710	43,660	59,140	82,050	111,350
Animal scientists.....	3,000	47,600	29,840	34,930	43,170	55,400	71,500
Food scientists and technologists.....	7,570	56,840	28,910	36,460	51,440	73,070	92,660
Soil and plant scientists	10,100	58,040	32,360	40,590	54,530	70,830	91,520
Biochemists and biophysicists.....	17,690	75,320	39,950	51,850	71,000	90,400	115,980
Microbiologists.....	15,250	63,360	34,460	42,920	56,870	78,270	104,490
Zoologists and wildlife biologists.....	16,440	55,280	32,250	40,570	52,050	67,150	85,350
Biological scientists, all other	26,200	63,670	33,430	45,210	60,190	78,460	99,020
Conservation scientists	15,540	54,640	30,730	39,970	53,350	66,960	81,910
Foresters.....	10,750	51,030	31,110	38,120	48,670	61,660	74,550
Epidemiologists.....	3,630	56,340	33,620	41,130	52,170	66,300	83,670
Medical scientists, except epidemiologists.....	73,670	69,140	35,410	44,900	61,730	86,300	113,830

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Employment and earnings in S&E and related occupations, by occupation: May 2005

(Dollars)

Occupation	All employed (n)	Annual earnings					
		Mean	10th percentile	25th percentile	Median	75th percentile	90th percentile
Life scientists, all other	12,790	64,570	32,850	41,990	56,370	77,000	105,900
Agricultural sciences teachers, postsecondary	11,460	73,680	39,100	52,140	71,330	90,230	113,750
Biological science teachers, postsecondary	59,540	77,690	33,900	45,090	63,570	96,090	D
Forestry and conservation science teachers, postsecondary	2,990	67,550	38,900	47,830	64,870	83,510	105,210
Environmental science teachers, postsecondary	4,340	66,020	31,410	43,570	60,880	82,540	110,360
Physical scientists	280,810	68,340	35,740	45,480	62,140	85,860	112,060
Astronomers	970	101,360	49,920	73,180	104,670	127,710	142,220
Physicists	15,160	91,480	49,070	66,670	89,810	112,550	136,870
Atmospheric and space scientists	7,050	73,020	37,250	52,410	73,940	89,500	109,630
Chemists	76,540	63,470	34,640	43,500	57,890	79,190	101,890
Materials scientists	7,880	74,350	41,450	53,490	71,450	92,400	114,720
Environmental scientists and specialists, including health	72,000	57,470	32,910	40,540	52,630	69,770	89,040
Geoscientists, except hydrologists and geographers	27,430	79,990	39,420	52,070	71,640	101,890	135,290
Hydrologists	8,360	67,260	40,190	49,180	63,820	82,000	102,150
Physical scientists, all other	23,800	84,380	41,260	59,440	83,300	108,460	125,910
Atmospheric, earth, marine, and space sciences teachers, postsecondary	8,810	70,960	35,240	48,450	65,720	90,010	115,270
Chemistry teachers, postsecondary	19,520	65,400	34,170	45,190	58,060	79,280	106,730
Physics teachers, postsecondary	13,310	71,020	37,560	49,470	65,880	87,360	113,370
Social scientists	517,950	62,560	30,550	41,130	56,500	77,690	103,810
Economists	12,470	80,900	40,810	53,100	73,690	99,920	132,420
Market research analysts	195,710	64,370	31,530	41,370	57,300	81,970	108,990
Survey researchers	21,650	37,710	16,080	21,200	31,140	48,320	70,450
Clinical, counseling, and school psychologists	98,820	63,960	34,040	43,700	57,170	74,490	99,270
Industrial-organizational psychologists	1,070	89,980	48,950	65,240	84,690	110,660	139,980
Psychologists, all other	6,750	74,250	33,150	51,520	74,260	93,870	111,620
Sociologists	3,500	61,700	33,000	40,630	52,760	76,600	109,350
Urban and regional planners	31,650	57,620	34,920	43,360	55,170	69,490	85,940
Anthropologists and archeologists	4,790	50,060	27,530	34,200	45,910	62,810	80,040
Geographers	810	64,620	39,040	50,340	63,550	78,250	92,290
Political scientists	5,010	84,820	39,890	56,160	84,100	108,930	132,600
Social scientists and related workers, all other	31,900	65,040	36,590	47,750	62,650	80,060	99,500
Social science research assistants	16,320	35,960	20,470	26,580	33,950	43,330	54,910
Anthropology and archeology teachers, postsecondary	5,320	66,700	37,750	48,340	60,710	81,260	105,630
Economics teachers, postsecondary	12,670	74,600	36,850	50,590	68,910	90,770	119,480
Geography teachers, postsecondary	4,250	61,790	34,950	45,890	57,870	75,490	94,800
Political science teachers, postsecondary	13,710	65,760	35,260	45,750	59,850	79,500	106,000
Psychology teachers, postsecondary	30,240	61,980	31,710	42,860	56,370	75,550	98,340
Sociology teachers, postsecondary	14,980	59,030	30,260	40,880	54,320	72,320	93,310
Social sciences teachers, postsecondary, all other	6,330	66,060	29,370	43,260	60,040	84,600	115,330
Technicians	1,535,530	50,050	26,210	34,250	45,930	60,830	80,190
Computer programmers	389,090	67,400	37,380	48,040	63,420	82,600	103,850
Mathematical technicians	1,430	46,230	25,500	29,990	36,470	55,670	71,380
Surveyors	54,220	48,950	25,530	33,960	45,860	60,730	75,870
Architectural and civil drafters	101,040	42,110	26,140	32,370	40,390	50,070	59,590
Electrical and electronics drafters	30,270	48,410	29,040	36,160	45,550	58,380	72,490
Mechanical drafters	74,650	45,490	28,140	34,540	43,350	54,370	67,410
Drafters, all other	20,870	45,420	25,230	32,510	42,310	55,340	74,120
Aerospace engineering and operations technicians	9,950	54,720	35,100	43,610	52,450	62,750	76,620
Civil engineering technicians	90,390	40,780	24,500	30,440	39,210	49,850	59,360
Electrical and electronic engineering technicians	165,850	48,710	29,700	37,900	48,040	57,090	69,970
Electro-mechanical technicians	15,130	45,670	29,100	34,880	43,880	55,230	67,410
Environmental engineering technicians	19,900	41,940	24,540	30,710	39,810	51,500	63,570
Industrial engineering technicians	73,310	49,220	29,480	36,150	45,280	58,360	75,640
Mechanical engineering technicians	46,580	46,520	28,760	36,050	44,830	55,700	68,060
Engineering technicians, except drafters, all other	78,300	52,400	30,830	41,080	52,530	63,860	73,560
Surveying and mapping technicians	63,910	33,390	19,300	24,080	31,290	40,750	52,000

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Employment and earnings in S&E and related occupations, by occupation: May 2005

(Dollars)

Occupation	All employed (<i>n</i>)	Annual earnings					
		Mean	10th percentile	25th percentile	Median	75th percentile	90th percentile
Agricultural and food science technicians.....	19,340	33,260	20,350	25,140	31,360	39,460	49,200
Biological technicians.....	67,080	36,480	22,480	27,330	34,270	43,550	54,510
Chemical technicians.....	59,790	40,120	23,650	29,970	38,500	48,760	58,600
Geological and petroleum technicians.....	11,130	49,550	21,630	30,760	43,750	61,070	84,650
Nuclear technicians.....	6,050	59,840	29,260	48,170	61,120	72,700	86,950
Environmental science and protection technicians, including health ..	32,460	38,520	22,950	28,550	36,260	46,780	57,510
Forensic science technicians.....	11,030	47,390	27,350	34,200	44,590	57,130	71,100
Forest and conservation technicians.....	29,940	31,480	20,450	23,970	28,540	37,300	45,700
Life, physical, and social science technicians, all other.....	63,810	45,180	23,220	29,790	40,030	54,990	73,230
Other S&E-related.....	7,125,240	60,120	26,120	36,660	50,540	69,470	103,710
Actuaries.....	15,770	90,760	45,660	57,740	81,640	112,360	D
Architects, except landscape and naval.....	96,740	68,560	39,130	48,670	62,850	81,680	105,500
Landscape architects.....	20,220	59,540	33,570	42,150	54,220	71,220	92,310
Cartographers and photogrammetrists.....	11,260	51,340	29,620	36,640	48,250	63,850	79,930
Architecture teachers, postsecondary.....	6,110	65,740	35,620	48,400	62,270	80,200	97,120
Healthcare practitioner and technical workers.....	6,975,150	60,000	26,000	36,500	50,360	69,250	103,610
Medical and health services managers.....	230,130	77,140	43,640	54,620	69,700	90,050	121,190
Health educators.....	51,970	43,440	23,850	30,220	39,730	53,930	69,670
Health specialties teachers, postsecondary.....	108,680	82,450	34,470	48,960	70,890	104,410	D
Nursing instructors and teachers, postsecondary.....	37,020	56,840	32,850	41,920	53,160	67,900	86,570
Chiropractors.....	24,290	82,060	32,900	46,170	67,200	102,920	D
Dentists, general.....	86,270	133,680	64,770	90,920	125,300	D	D
Oral and maxillofacial surgeons.....	5,120	160,660	64,930	103,470	D	D	D
Orthodontists.....	4,820	163,410	73,300	117,500	D	D	D
Prosthodontists.....	560	146,080	63,310	81,790	D	D	D
Dentists, all other specialists.....	3,480	115,640	39,910	52,960	94,600	D	D
Dietitians and nutritionists.....	48,850	45,950	29,050	36,960	44,940	54,730	65,780
Optometrists.....	23,720	95,500	42,860	64,400	88,040	114,600	D
Pharmacists.....	229,740	88,650	64,350	78,620	89,820	103,300	113,310
Anesthesiologists.....	27,970	174,240	108,040	D	D	D	D
Family and general practitioners.....	112,150	140,370	56,680	101,420	140,400	D	D
Internists, general.....	48,210	156,550	88,790	124,750	D	D	D
Obstetricians and gynecologists.....	21,910	171,810	95,960	D	D	D	D
Pediatricians, general.....	26,400	139,230	66,520	101,150	136,600	D	D
Psychiatrists.....	23,450	146,150	63,820	113,880	D	D	D
Surgeons.....	52,930	177,690	116,560	D	D	D	D
Physicians and surgeons, all other.....	180,210	138,910	44,850	94,030	143,480	D	D
Physician assistants.....	63,350	71,070	38,370	59,260	72,030	86,530	100,490
Podiatrists.....	8,290	111,250	43,990	67,010	100,550	D	D
Registered nurses.....	2,368,070	56,880	38,660	45,710	54,670	66,650	79,460
Audiologists.....	10,330	57,660	35,920	44,400	53,490	65,710	82,580
Occupational therapists.....	87,430	59,100	38,840	47,590	56,860	69,740	85,450
Physical therapists.....	151,280	65,350	44,750	52,270	63,080	74,530	90,810
Radiation therapists.....	14,120	63,620	42,380	51,270	62,340	73,600	87,060
Recreational therapists.....	23,260	35,150	20,140	25,970	33,480	43,240	53,520
Respiratory therapists.....	95,320	46,270	33,680	39,050	45,140	53,410	60,280
Speech-language pathologists.....	94,660	58,000	36,380	44,080	54,880	69,060	86,380
Therapists, all other.....	9,730	45,680	20,930	29,990	42,070	55,020	72,440
Veterinarians.....	47,870	77,710	40,960	53,550	68,910	90,760	127,050
Health diagnosing and treating practitioners, all other.....	57,880	87,630	29,100	40,340	57,480	137,470	D
Medical and clinical laboratory technologists.....	155,250	48,600	33,480	40,000	47,710	56,030	66,510
Medical and clinical laboratory technicians.....	142,330	33,170	20,700	25,330	31,700	39,500	47,840
Dental hygienists.....	161,140	60,620	38,470	49,120	60,890	71,480	85,660
Cardiovascular technologists and technicians.....	43,560	41,580	22,810	28,930	40,420	52,480	63,010
Diagnostic medical sonographers.....	43,590	55,430	38,970	46,710	54,370	64,330	73,130
Nuclear medicine technologists.....	18,280	60,530	44,650	50,980	59,670	69,760	80,730
Radiologic technologists and technicians.....	184,580	47,010	31,290	38,250	45,950	55,100	65,220
Emergency medical technicians and paramedics.....	196,880	28,440	16,620	20,470	26,080	34,310	44,050

Appendix table 3-2

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Employment and earnings in S&E and related occupations, by occupation: May 2005

(Dollars)

Occupation	All employed (n)	Annual earnings					
		Mean	10th percentile	25th percentile	Median	75th percentile	90th percentile
Dietetic technicians.....	23,780	25,380	14,890	17,860	23,470	30,740	37,400
Pharmacy technicians.....	266,790	25,350	17,100	20,080	24,390	29,650	35,150
Psychiatric technicians.....	62,040	29,210	18,580	21,360	26,770	35,230	44,780
Respiratory therapy technicians.....	22,060	38,620	25,680	31,420	38,200	45,030	53,720
Surgical technologists.....	83,680	35,920	24,530	29,330	34,830	42,010	48,710
Veterinary technologists and technicians.....	63,860	26,710	17,700	20,870	25,670	31,560	37,360
Licensed practical and licensed vocational nurses.....	710,020	36,210	25,340	29,970	35,230	42,180	48,510
Medical records and health information technicians.....	160,450	28,720	18,410	21,480	26,690	34,210	42,960
Opticians, dispensing.....	70,090	30,770	18,490	22,470	29,000	36,920	45,720
Orthotists and prosthetists.....	5,190	60,050	29,110	39,310	53,760	71,270	93,310
Health technologists and technicians, all other.....	71,140	37,520	21,360	26,540	34,300	44,770	57,610
Occupational health and safety specialists.....	35,460	55,800	32,500	41,510	53,710	68,400	83,810
Occupational health and safety technicians.....	9,510	46,120	24,020	31,690	43,150	58,830	73,310
Athletic trainers.....	15,110	36,520	20,240	26,930	34,260	43,080	54,640
Healthcare practitioners and technical workers, all other.....	50,880	39,590	19,540	24,800	33,520	47,860	68,160

D = suppressed to avoid disclosure of confidential information

SOURCE: Bureau of Labor Statistics, Occupational Employment Statistics Survey, May 2005.

Science and Engineering Indicators 2008