

Table SLBR-31

Number and median salary of full-time workers with highest degree in S&E field, by race or ethnicity and occupation: 2019

(Thousands and dollars)

Occupation	Total		Asian		American Indian or Alaska Native		Black or African American		Hispanic or Latino		White		Native Hawaiian or Other Pacific Islander		More than one race	
	Number	Median salary (\$)	Number	Median salary (\$)	Number	Median salary (\$)	Number	Median salary (\$)	Number	Median salary (\$)	Number	Median salary (\$)	Number	Median salary (\$)	Number	Median salary (\$)
All occupations	13,130	80,000	2,138	100,000	30	65,000	889	60,000	1,224	65,000	8,523	82,000	40	100,000	286	73,000
S&E occupations	5,211	96,000	1,201	104,000	8	86,000	239	83,000	408	80,000	3,236	97,000	12	90,000	106	90,000
Computer and mathematical scientists	2,465	105,000	742	111,000	s	s	137	85,000	167	85,000	1,355	105,000	s	s	60	93,000
Computer and information scientists	2,251	105,000	692	112,000	s	s	127	87,000	148	83,000	1,224	105,000	s	s	58	94,000
Computer and information scientists, research	67	125,000	23	127,000	s	s	s	s	3	s	37	125,000	s	s	s	s
Computer network architects	27	101,000	8	112,000	s	s	4	s	1	s	14	100,000	s	s	s	s
Computer support specialists	144	61,000	19	84,000	s	s	19	59,000	14	69,000	87	62,000	s	s	s	s
Computer system analysts	232	90,000	79	97,000	s	s	15	80,000	18	96,000	115	82,000	s	s	4	s
Database administrators	88	104,000	23	122,000	s	s	4	72,000	7	95,000	50	91,000	s	s	s	s
Information security analysts	79	100,000	12	118,000	s	s	14	95,000	9	72,000	37	126,000	s	s	7	141,000
Network and computer systems administrators	121	84,000	12	83,000	s	s	16	58,000	9	71,000	79	90,000	s	s	s	s
Software developers, applications and systems software	512	109,000	179	110,000	s	s	17	109,000	27	84,000	274	110,000	s	s	14	85,000
Web developers	69	94,000	15	87,000	s	s	s	s	9	77,000	43	116,000	s	s	2	s
Other computer information science occupations	175	105,000	39	106,000	s	s	9	76,000	8	82,000	113	111,000	s	s	6	79,000
Computer engineers—software	737	119,000	282	123,000	s	s	24	112,000	42	99,000	375	119,000	s	s	12	119,000
Mathematical scientists	153	102,000	37	102,000	s	s	8	68,000	16	90,000	91	107,000	s	s	1	85,000
Mathematicians	5	91,000	2	66,000	s	s	s	s	s	s	3	92,000	s	s	s	s
Operations research analysts, including modeling	87	105,000	19	117,000	s	s	4	78,000	12	100,000	51	101,000	s	s	1	85,000
Statisticians	51	103,000	14	96,000	s	s	s	s	3	83,000	30	109,000	s	s	s	s
Other mathematical scientists	9	96,000	s	s	s	s	s	s	s	s	6	s	s	s	s	s
Postsecondary teachers—computer and mathematical sciences	61	71,000	13	83,000	s	s	3	82,000	3	61,000	41	67,000	s	s	1	s
Computer sciences	18	83,000	5	96,000	s	s	1	s	s	s	9	87,000	s	s	s	s
Mathematics and statistics	44	67,000	8	78,000	s	s	s	s	2	65,000	32	61,000	s	s	s	s
Biological, agricultural, and environmental life scientists	510	64,000	113	67,000	1	59,000	13	52,000	46	45,000	327	68,000	s	s	9	53,000
Agricultural and food scientists	50	57,000	s	s	s	s	s	s	10	42,000	32	55,000	s	s	s	s
Biological and medical scientists	367	62,000	93	61,000	s	s	10	50,000	25	48,000	230	65,000	s	s	9	53,000
Biochemists and biophysicists	80	55,000	23	49,000	s	s	1	s	5	36,000	49	59,000	s	s	2	s

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Biological scientists (e.g., botanists, ecologists, zoologists)	114	62,000	22	80,000	s	s	1	76,000	8	48,000	80	62,000	s	s	2	55,000
Medical scientists (excluding practitioners)	97	69,000	27	61,000	s	s	s	s	6	s	61	78,000	s	s	s	s
Other biological and life scientists	76	64,000	21	71,000	s	s	5	50,000	6	60,000	39	70,000	s	s	4	51,000
Forestry and conservation scientists	28	57,000	s	s	s	s	s	s	s	s	19	65,000	s	s	s	s
Postsecondary teachers—life and related sciences	66	81,000	14	83,000	s	s	1	59,000	4	67,000	46	84,000	s	s	s	s
Agriculture	4	87,000	s	s	s	s	s	s	s	s	3	s	s	s	s	s
Biological sciences	59	78,000	13	84,000	s	s	1	s	4	67,000	41	80,000	s	s	s	s
Other natural sciences	2	99,000	s	s	s	s	s	s	s	s	2	s	s	s	s	s
Physical and related scientists	330	72,000	45	62,000	1	s	17	59,000	22	55,000	238	78,000	s	s	5	56,000
Chemists, except biochemists	113	65,000	17	60,000	s	s	6	58,000	8	44,000	79	68,000	s	s	s	s
Earth scientists, geologists, and oceanographers	71	79,000	4	77,000	s	s	s	s	3	s	62	78,000	s	s	1	109,000
Atmospheric and space scientists	18	97,000	2	79,000	s	s	s	s	1	s	15	97,000	s	s	s	s
Geologists, including earth scientists	53	75,000	2	61,000	s	s	s	s	3	s	47	75,000	s	s	1	s
Oceanographers																
Physicists and astronomers	39	70,000	10	38,000	s	s	s	s	1	s	24	91,000	s	s	s	s
Astronomers	54	60,000	3	98,000	s	s	6	s	s	s	38	60,000	s	s	s	s
Physicists, except biophysicists	39	70,000	10	38,000	s	s	s	s	1	s	24	91,000	s	s	s	s
Other physical and related scientists	54	60,000	3	98,000	s	s	6	s	s	s	38	60,000	s	s	s	s
Postsecondary teachers—physical and related sciences	53	80,000	10	77,000	s	s	s	s	4	57,000	35	95,000	s	s	s	s
Chemistry	19	71,000	5	47,000	s	s	1	48,000	2	s	11	92,000	s	s	s	s
Earth, environmental, and marine sciences	18	79,000	1	s	s	s	s	s	s	s	14	82,000	s	s	s	s
Physics	16	95,000	4	84,000	s	s	s	s	1	s	10	106,000	s	s	s	s
Social and related scientists	356	75,000	24	68,000	s	s	18	79,000	45	64,000	263	80,000	1	s	5	67,000
Economists	41	84,000	5	85,000	s	s	2	66,000	4	106,000	30	84,000	s	s	s	s
Political scientists	9	82,000	s	s	s	s	s	s	1	s	8	84,000	s	s	s	s
Psychologists, including clinical	128	74,000	5	85,000	s	s	6	74,000	16	76,000	99	70,000	s	s	1	64,000
Anthropologists	11	64,000	s	s	s	s	s	s	s	s	10	68,000	s	s	s	s
Sociologists	66	69,000	4	68,000	s	s	4	134,000	s	s	41	77,000	s	s	s	s
Other social and related scientists	66	69,000	4	68,000	s	s	4	134,000	s	s	41	77,000	s	s	s	s

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Postsecondary teachers—social and related sciences	101	80,000	9	s	s	s	6	79,000	8	69,000	76	85,000	s	s	2	46,000
Economics	13	88,000	1	105,000	s	s	s	s	1	s	9	88,000	s	s	s	s
Political science	15	83,000	s	s	s	s	s	s	1	57,000	12	85,000	s	s	s	s
Psychology	30	74,000	s	s	s	s	1	s	1	66,000	24	84,000	s	s	1	s
Sociology	14	80,000	s	s	s	s	1	s	1	79,000	11	80,000	s	s	s	s
Other social sciences	30	74,000	s	s	s	s	s	s	s	s	20	85,000	s	s	s	s
Engineers	1,550	100,000	278	100,000	4	108,000	53	86,000	128	91,000	1,052	100,000	7	85,000	27	98,000
Aerospace, aeronautical, or astronautical engineers	109	112,000	15	126,000	s	s	s	s	12	101,000	76	112,000	s	s	2	119,000
Chemical engineers	67	110,000	13	103,000	s	s	1	67,000	3	93,000	48	110,000	s	s	s	s
Civil, architectural, or sanitary engineers	256	88,000	35	87,000	s	s	9	80,000	24	75,000	184	90,000	s	s	3	86,000
Electrical or computer hardware engineers	355	112,000	93	117,000	s	s	19	91,000	25	108,000	208	116,000	s	s	5	97,000
Computer engineers—hardware	74	121,000	23	135,000	s	s	s	s	5	100,000	38	130,000	s	s	s	s
Electrical and electronics engineers	281	110,000	70	111,000	s	s	12	101,000	20	108,000	169	115,000	s	s	5	97,000
Industrial engineers	56	82,000	8	75,000	s	s	3	66,000	7	95,000	36	80,000	s	s	1	s
Mechanical engineers	307	93,000	51	80,000	s	s	7	99,000	24	81,000	220	95,000	s	s	5	88,000
Other engineers	360	98,000	50	95,000	s	s	12	84,000	31	80,000	256	100,000	s	s	9	109,000
Bioengineers or biomedical engineers	37	80,000	8	88,000	s	s	2	87,000	2	s	25	77,000	s	s	1	s
Environmental engineers	45	85,000	4	79,000	s	s	1	s	3	65,000	36	88,000	s	s	s	s
Marine engineers and naval architects	6	99,000	s	s	s	s	s	s	s	s	6	99,000	s	s	s	s
Materials and metallurgical engineers	37	100,000	4	88,000	s	s	s	s	s	s	27	101,000	s	s	s	s
Nuclear engineers	10	95,000	s	s	s	s	s	s	s	s	7	112,000	s	s	s	s
Petroleum engineers	19	155,000	1	s	s	s	s	s	1	110,000	16	172,000	s	s	s	s
Sales engineers	66	110,000	6	98,000	s	s	s	s	7	85,000	47	119,000	s	s	3	s
Other engineers	139	94,000	26	97,000	s	s	4	68,000	12	84,000	92	95,000	s	s	4	s
Postsecondary teachers—engineering	39	99,000	12	99,000	s	s	1	s	2	97,000	24	104,000	s	s	s	s
S&E-related occupations	1,864	76,000	313	94,000	4	84,000	132	57,000	177	72,000	1,205	78,000	2	91,000	31	65,000
Health-related occupations	537	52,000	74	59,000	s	s	49	46,000	42	51,000	358	52,000	s	s	12	56,000
Diagnosing or treating practitioners (e.g., dentists, optometrists, physicians, psychiatrists, podiatrists, surgeons, veterinarians)	82	59,000	16	66,000	s	s	s	s	9	s	52	s	s	s	s	s

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Registered nurses, pharmacists, dieticians, therapists, physician assistants, nurse practitioners	103	68,000	17	58,000	s	s	s	s	11	s	65	69,000	s	s	s	s
Health technologists and technicians (e.g., dental hygienists, health record technicians, licensed practical nurses, laboratory or radiology technicians)	154	44,000	16	56,000	s	s	16	42,000	8	48,000	112	44,000	s	s	2	s
Other health occupations	171	47,000	20	35,000	s	s	25	47,000	12	48,000	109	46,000	s	s	5	47,000
Postsecondary teachers—health and related sciences	27	84,000	5	102,000	s	s	s	s	2	59,000	20	77,000	s	s	s	s
S&E managers	509	130,000	84	139,000	s	s	24	103,000	46	104,000	348	130,000	s	s	7	104,000
Computer and information systems managers	139	145,000	45	140,000	s	s	9	s	8	141,000	76	148,000	s	s	2	144,000
Engineering managers	255	130,000	29	137,000	s	s	11	98,000	22	137,000	191	130,000	s	s	1	109,000
Medical and health services managers	58	81,000	5	145,000	s	s	s	s	12	78,000	37	82,000	s	s	s	s
Natural sciences managers	57	119,000	6	98,000	s	s	2	s	s	s	43	123,000	s	s	2	134,000
S&E precollege teachers	195	55,000	9	62,000	s	s	16	53,000	19	59,000	147	55,000	s	s	3	44,000
Secondary—computer, mathematics, or sciences	166	55,000	8	62,000	s	s	11	57,000	17	55,000	127	54,000	s	s	3	44,000
Secondary—social sciences	29	56,000	s	s	s	s	4	40,000	3	85,000	20	57,000	s	s	s	s
S&E technicians and technologists	579	76,000	131	86,000	s	s	43	60,000	68	62,000	323	78,000	s	s	10	75,000
Technologists and technicians in the biological and life sciences	88	51,000	20	68,000	s	s	s	s	16	40,000	46	51,000	s	s	1	39,000
Computer programmers (business, scientific, process control)	80	100,000	22	100,000	s	s	s	s	1	59,000	53	101,000	s	s	s	s
Electrical, electronic, industrial, and mechanical technicians	181	75,000	46	71,000	s	s	17	61,000	20	65,000	95	80,000	s	s	2	68,000
Drafting occupations, including computer drafting	16	59,000	5	70,000	s	s	s	s	s	s	9	56,000	s	s	s	s
Surveying and mapping technicians	19	55,000	s	s	s	s	s	s	s	s	9	58,000	s	s	s	s
Other engineering technologists and technicians	143	89,000	32	98,000	s	s	12	73,000	21	70,000	75	90,000	s	s	s	s
Surveyors, cartographers, photogrammetrists	16	52,000	s	s	s	s	s	s	s	s	11	45,000	s	s	s	s
Technologists and technicians in the mathematical sciences	36	64,000	5	101,000	s	s	2	s	s	s	25	64,000	s	s	s	s
Other S&E-related occupations	44	108,000	14	101,000	s	s	s	s	2	s	28	108,000	s	s	s	s
Architects	20	95,000	7	90,000	s	s	s	s	1	s	11	93,000	s	s	s	s
Actuaries	24	109,000	6	162,000	s	s	s	s	s	s	18	108,000	s	s	s	s

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Non-S&E occupations	6,055	67,000	624	77,000	18	61,000	518	52,000	639	52,000	4,083	70,000	26	107,000	148	60,000
Non-S&E managers	1,119	119,000	143	130,000	5	131,000	53	92,000	88	100,000	805	119,000	s	s	24	86,000
Top-level managers, executives, administrators (e.g., chief executive officer, chief operating officer, chief financial officer; president; district manager, general manager, provost)	626	134,000	90	149,000	s	s	18	121,000	32	119,000	473	132,000	s	s	10	176,000
Education administrators (e.g., registrar, dean, principal)	31	94,000	6	113,000	s	s	s	s	2	76,000	20	84,000	s	s	1	s
Other mid-level managers	462	101,000	47	102,000	s	s	33	87,000	53	90,000	313	110,000	s	s	13	69,000
Management-related occupations	1,524	81,000	193	92,000	s	s	125	68,000	142	72,000	1,011	85,000	14	108,000	33	80,000
Accountants, auditors, and other financial specialists	450	79,000	70	74,000	s	s	28	68,000	34	70,000	302	84,000	s	s	7	80,000
Personnel, training, and labor relations specialists	169	65,000	15	82,000	s	s	28	54,000	19	54,000	102	67,000	s	s	s	s
Other management-related occupations	905	90,000	108	108,000	s	s	68	71,000	90	81,000	607	90,000	10	96,000	21	87,000
Non-S&E precollege teachers	304	45,000	24	26,000	s	s	42	45,000	33	47,000	201	47,000	s	s	3	44,000
Prekindergarten and kindergarten	61	28,000	s	s	s	s	4	34,000	9	27,000	41	31,000	s	s	s	s
Elementary	129	46,000	9	s	s	s	22	32,000	6	54,000	91	47,000	s	s	s	s
Secondary—other subjects	53	45,000	s	s	s	s	s	s	s	s	42	42,000	s	s	s	s
Special education—primary and secondary	34	64,000	3	s	s	s	5	45,000	8	72,000	18	65,000	s	s	s	s
Other precollegiate area	27	49,000	s	s	s	s	s	s	s	s	s	s	s	s	s	s
Non-S&E postsecondary teachers	49	76,000	4	82,000	s	s	3	81,000	3	83,000	39	73,000	s	s	s	s
Art, drama, and music	s	s	s	s	s	s	s	s	s	s	s	s	s	s	s	s
Business, commerce, and marketing	6	115,000	1	83,000	s	s	s	s	s	s	4	123,000	s	s	s	s
Education	10	71,000	2	s	s	s	s	s	s	s	7	69,000	s	s	s	s
English	5	86,000	s	s	s	s	s	s	s	s	5	s	s	s	s	s
Foreign language	3	69,000	s	s	s	s	s	s	s	s	2	68,000	s	s	s	s
History	3	64,000	s	s	s	s	s	s	s	s	3	68,000	s	s	s	s
Physical education	s	s	s	s	s	s	s	s	s	s	s	s	s	s	s	s
Other postsecondary fields	10	85,000	s	s	s	s	s	s	s	s	9	86,000	s	s	s	s
Social services and related occupations	475	45,000	16	53,000	s	s	73	45,000	82	44,000	286	45,000	s	s	14	49,000
Clergy and other religious workers	46	31,000	s	s	s	s	s	s	s	s	30	32,000	s	s	s	s
Counselors (e.g., educational, vocational, mental health, substance abuse)	194	49,000	4	53,000	s	s	37	48,000	26	56,000	113	48,000	s	s	11	53,000

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Social workers	235	42,000	7	46,000	s	s	36	38,000	46	44,000	142	41,000	s	s	3	45,000
Sales and marketing occupations	806	70,000	83	60,000	1	s	43	60,000	87	47,000	562	79,000	s	s	22	59,000
Insurance, securities, real estate, and business services	182	69,000	16	76,000	s	s	12	64,000	21	45,000	121	80,000	s	s	s	s
Sales, commodities except retail (e.g., industrial, medical, dental machinery, equipment, supplies)	146	99,000	5	66,000	s	s	s	s	8	62,000	124	99,000	s	s	s	s
Sales, retail (e.g., furnishings, clothing, motor vehicles, cosmetics)	173	44,000	20	39,000	s	s	10	40,000	24	33,000	115	45,000	s	s	3	s
Other marketing and sales occupations	304	75,000	42	80,000	s	s	20	55,000	34	64,000	200	79,000	s	s	7	s
Arts, humanities, and related occupations	106	57,000	11	58,000	s	s	7	s	4	53,000	81	60,000	s	s	3	74,000
Writers, editors, public relations specialists, artists, entertainers, broadcasters	105	58,000	10	60,000	s	s	7	s	4	53,000	80	59,000	s	s	3	74,000
Historians	s	s	s	s	s	s	s	s	s	s	s	s	s	s	s	s
Other non-S&E occupations	1,674	47,000	151	50,000	1	36,000	171	44,000	201	40,000	1,098	50,000	4	62,000	49	41,000
Accounting clerks and bookkeepers	111	41,000	18	44,000	s	s	2	36,000	14	37,000	77	42,000	s	s	s	s
Secretaries, receptionists, typists	102	37,000	14	67,000	s	s	11	36,000	14	32,000	59	36,000	s	s	4	41,000
Other administrative (e.g., record clerks, telephone operators)	352	46,000	36	43,000	s	s	57	44,000	46	48,000	191	48,000	s	s	21	31,000
Farmers, foresters, and fishermen	81	45,000	1	s	s	s	2	s	s	s	72	45,000	s	s	s	s
Lawyers, judges	53	84,000	4	131,000	s	s	s	s	6	50,000	31	98,000	s	s	s	s
Librarians, archivists, curators	18	33,000	s	s	s	s	2	47,000	1	s	14	33,000	s	s	s	s
Food preparation and service (e.g., cooks, waitresses, bartenders)	89	30,000	9	33,000	s	s	4	s	7	s	68	30,000	s	s	s	s
Protective services (e.g., firefighters, police, guards, wardens, park rangers)	125	65,000	8	78,000	s	s	15	51,000	15	66,000	83	65,000	s	s	5	s
Other service occupations, except health (e.g., probation officer, human services work)	212	44,000	13	41,000	s	s	26	37,000	29	38,000	141	45,000	s	s	3	46,000
Other teachers and instructors (e.g., private tutors, dance, flying, martial arts)	67	54,000	10	92,000	s	s	6	34,000	10	46,000	39	70,000	s	s	s	s
Construction and extraction occupations	36	75,000	s	s	s	s	s	s	6	s	24	74,000	s	s	s	s
Installation, maintenance, and repair occupations	71	68,000	4	46,000	s	s	7	51,000	17	34,000	42	74,000	s	s	s	s
Precision or production occupations (metal or wood workers, butchers, bakers, assemblers, tailors)	99	35,000	13	34,000	s	s	7	35,000	4	41,000	74	34,000	s	s	s	s

Table SLBR-31

Number and median salary of full-time workers with highest degree in S&E field, by race or ethnicity and occupation: 2019

(Thousands and dollars)

Occupation	Total		Asian		American Indian or Alaska Native		Black or African American		Hispanic or Latino		White		Native Hawaiian or Other Pacific Islander		More than one race	
	Number	Median salary (\$)	Number	Median salary (\$)	Number	Median salary (\$)	Number	Median salary (\$)	Number	Median salary (\$)	Number	Median salary (\$)	Number	Median salary (\$)	Number	Median salary (\$)
Transportation and material moving occupations	135	56,000	9	47,000	s	s	11	40,000	13	s	99	59,000	s	s	4	s
Other occupations	122	52,000	8	109,000	s	s	12	s	15	s	86	51,000	s	s	s	s

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

Note(s):
Hispanic or Latino may be any race; race categories exclude Hispanic or Latino origin. Detail may not add to total because of rounding. Numbers are rounded to the nearest 1,000.

Source(s):
National Center for Science and Engineering Statistics, National Survey of College Graduates (NSCG), 2019.

Science and Engineering Indicators