

Table SLBR-25

Employed S&E highest degree holders, by sex and field of degree: 2019

(Thousands and percent)

Field of S&E highest degree	Total	Female		Male	
		Number	Percent	Number	Percent
All S&E highest degree	15,362	6,132	39.9	9,230	60.1
Computer and mathematical sciences	2,837	809	28.5	2,028	71.5
Computer and information sciences	2,203	540	24.5	1,663	75.5
Computer and information sciences, general	350	88	25.3	262	74.7
Computer sciences	1,218	266	21.9	952	78.1
Computer systems analysis	46	9	19.5	37	80.5
Information services and systems	437	133	30.4	304	69.6
Other computer and information sciences	152	43	28.5	109	71.5
Mathematics and statistics	634	269	42.4	365	57.6
Applied mathematics	76	28	36.8	48	63.2
Mathematics, general	397	179	45.1	218	54.9
Operations research	42	7	17.2	35	82.8
Statistics	98	50	51.3	48	48.7
Other mathematics	21	s	s	16	79.4
Biological, agricultural, and environmental life sciences	2,437	1,218	50.0	1,219	50.0
Agricultural and food sciences	266	129	48.4	137	51.6
Animal sciences	115	63	54.6	52	45.4
Food sciences and technology	37	21	55.7	17	44.3
Plant sciences	79	28	35.5	51	64.5
Other agricultural sciences	36	18	49.3	18	50.7
Biological sciences	1,867	984	52.7	883	47.3
Biochemistry and biophysics	169	77	45.6	92	54.4
Biology, general	870	462	53.1	408	46.9
Botany	16	7	46.7	9	53.3
Cell and molecular biology	119	58	48.7	61	51.3
Ecology	102	46	44.9	56	55.1
Genetics, animal and plant	25	11	43.8	14	56.2
Microbiological sciences and immunology	127	74	58.3	53	41.7
Nutritional sciences	89	81	91.8	7	8.2
Pharmacology, human and animal	20	13	64.2	7	35.8
Physiology and pathology, human and animal	78	44	55.9	35	44.1
Zoology, general	81	29	35.8	52	64.2
Other biological sciences	172	82	47.7	90	52.3
Environmental life sciences	303	105	34.6	198	65.4

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Environmental science or studies	243	93	38.3	150	61.7
Forestry sciences	60	12	19.6	48	80.4
Physical and related sciences	889	271	30.5	618	69.5
Chemistry, except biochemistry	400	137	34.2	263	65.8
Earth, atmospheric, and ocean sciences	249	90	36.3	159	63.7
Atmospheric sciences and meteorology	21	5	24.1	16	75.9
Earth sciences	61	27	43.9	34	56.1
Geology	111	33	29.9	78	70.1
Geological sciences, other	56	25	45.1	31	54.9
Physics and astronomy	220	37	16.6	184	83.4
Astronomy and astrophysics	18	4	22.0	14	78.0
Physics	202	33	16.1	170	83.9
Other physical sciences	20	8	38.1	12	61.9
Social and related sciences	5,474	3,213	58.7	2,261	41.3
Economics	856	234	27.3	622	72.7
Agricultural economics	50	8	16.9	41	83.1
Economics	806	225	27.9	581	72.1
Political and related sciences	971	437	45.0	534	55.0
Public policy studies	75	43	57.2	32	42.8
International relations	173	106	61.3	67	38.7
Political science and government	722	288	39.9	434	60.1
Psychology	2,221	1,658	74.6	564	25.4
Educational psychology	142	125	88.4	17	11.6
Clinical psychology	261	188	72.0	73	28.0
Counseling psychology	358	279	77.8	80	22.2
Experimental psychology	43	25	59.0	18	41.0
General psychology	993	735	74.0	259	26.0
Industrial/ organizational psychology	91	53	58.7	38	41.3
Social psychology	99	72	72.7	27	27.3
Other psychology	234	181	77.3	53	22.7
Sociology and anthropology	829	508	61.4	320	38.6
Anthropology and archaeology	177	100	56.4	77	43.6
Criminology	71	36	50.4	35	49.6
Sociology	581	373	64.2	208	35.8

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Other social sciences	598	376	62.9	222	37.1
Area and ethnic studies	125	88	70.5	37	29.5
Linguistics	84	61	73.0	23	27.0
Philosophy of science	51	s	s	s	s
Geography	128	41	32.2	87	67.8
Other social sciences	210	139	66.2	71	33.8
Engineering	3,725	621	16.7	3,103	83.3
Aerospace, aeronautical, and astronautical engineering	142	17	11.9	125	88.1
Chemical engineering	246	62	25.3	183	74.7
Civil and architectural engineering	544	92	16.8	452	83.2
Architectural engineering	20	6	30.5	14	69.5
Civil engineering	524	86	16.3	438	83.7
Electrical and computer engineering	1,289	187	14.5	1,102	85.5
Computer and systems engineering	390	76	19.6	314	80.4
Electrical, electronics, and communications engineering	899	111	12.3	788	87.7
Industrial and manufacturing engineering	214	44	20.5	170	79.5
Mechanical engineering	739	77	10.4	662	89.6
Other engineering	552	143	25.9	409	74.1
Agricultural engineering	25	s	s	20	81.2
Bioengineering and biomedical engineering	83	36	43.4	47	56.6
Engineering sciences, mechanics, and physics	33	4	11.0	29	89.0
Environmental engineering	71	29	41.3	42	58.7
Engineering, general	43	8	19.4	35	80.6
Materials engineering, including ceramics and textiles	70	16	23.1	54	76.9
Metallurgical engineering	16	s	s	12	76.3
Nuclear engineering	21	4	17.4	17	82.6
Other engineering	191	38	19.7	153	80.3

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

Note(s):

Detail may not add to total because of rounding.

Source(s):

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

Science and Engineering Indicators