

TABLE 8-1. S&E postdoctoral fellows in academic institutions, by field, citizenship, and sex: 2014

Field	All citizenship categories			U.S. citizens and permanent residents			Temporary residents		
	All S&E postdoctoral fellows	Female	Male	All S&E postdoctoral fellows	Female	Male	All S&E postdoctoral fellows	Female	Male
S&E	44,623	16,005	28,618	20,453	8,386	12,067	24,170	7,619	16,551
Science	37,316	14,363	22,953	17,661	7,674	9,987	19,655	6,689	12,966
Agricultural sciences	1,402	595	807	729	337	392	673	258	415
Biological sciences	19,554	8,508	11,046	8,958	4,295	4,663	10,596	4,213	6,383
Anatomy	235	102	133	104	54	50	131	48	83
Biochemistry	1,885	720	1,165	775	344	431	1,110	376	734
Biology	2,392	1,007	1,385	1,164	550	614	1,228	457	771
Biometry and epidemiology	652	286	366	345	179	166	307	107	200
Biophysics	156	48	108	62	21	41	94	27	67
Botany and plant biology	626	233	393	343	130	213	283	103	180
Cell and molecular biology	2,270	1,005	1,265	1,064	519	545	1,206	486	720
Ecology	102	46	56	64	32	32	38	14	24
Entomology and parasitology	279	125	154	147	70	77	132	55	77
Genetics	1,385	598	787	602	287	315	783	311	472
Microbiology, immunology, and virology	2,187	1,013	1,174	1,099	570	529	1,088	443	645
Nutrition	236	161	75	134	95	39	102	66	36
Pathology	1,469	665	804	609	287	322	860	378	482
Pharmacology and toxicology	1,226	547	679	584	277	307	642	270	372
Physiology	1,380	615	765	647	309	338	733	306	427
Zoology	75	33	42	60	24	36	15	9	6
Biosciences nec	2,999	1,304	1,695	1,155	547	608	1,844	757	1,087
Communication	75	30	45	40	21	19	35	9	26
Computer sciences	834	152	682	320	69	251	514	83	431
Earth, atmospheric, and ocean sciences	2,061	785	1,276	1,156	474	682	905	311	594
Atmospheric sciences	212	70	142	95	28	67	117	42	75
Geosciences	725	265	460	347	148	199	378	117	261
Ocean sciences	423	196	227	253	132	121	170	64	106
Earth, atmospheric, and ocean sciences nec	701	254	447	461	166	295	240	88	152
Family and consumer sciences and human sciences	114	84	30	84	69	15	30	15	15
Mathematics and statistics	959	195	764	433	97	336	526	98	428
Mathematics and applied mathematics	840	172	668	390	86	304	450	86	364
Statistics	119	23	96	43	11	32	76	12	64
Multidisciplinary and interdisciplinary studies	1,045	374	671	566	239	327	479	135	344
Neurobiology and neuroscience	1,878	817	1,061	938	434	504	940	383	557
Physical sciences	7,277	1,652	5,625	2,958	769	2,189	4,319	883	3,436
Astronomy and astrophysics	390	113	277	234	76	158	156	37	119

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Chemistry	3,891	976	2,915	1,469	447	1,022	2,422	529	1,893
Physics	2,738	504	2,234	1,125	225	900	1,613	279	1,334
Physical sciences nec	258	59	199	130	21	109	128	38	90
Psychology	1,066	622	444	765	465	300	301	157	144
Clinical psychology	85	58	27	74	52	22	11	6	5
Psychology, general	584	326	258	408	233	175	176	93	83
Psychology nec	397	238	159	283	180	103	114	58	56
Social sciences	1,051	549	502	714	405	309	337	144	193
Agricultural economics	65	29	36	36	17	19	29	12	17
Anthropology	142	76	66	109	62	47	33	14	19
Economics (except agricultural)	86	27	59	52	12	40	34	15	19
Geography	104	54	50	56	33	23	48	21	27
History and philosophy of science	9	3	6	3	2	1	6	1	5
Linguistics	36	19	17	26	14	12	10	5	5
Political science and government	258	121	137	177	95	82	81	26	55
Sociology	91	62	29	71	53	18	20	9	11
Sociology and anthropology	3	1	2	1	1	0	2	0	2
Social sciences nec	257	157	100	183	116	67	74	41	33
Engineering	7,307	1,642	5,665	2,792	712	2,080	4,515	930	3,585
Aerospace engineering	220	29	191	81	8	73	139	21	118
Agricultural engineering	150	38	112	51	17	34	99	21	78
Architecture	14	7	7	5	3	2	9	4	5
Biomedical engineering	1,198	387	811	572	195	377	626	192	434
Chemical engineering	1,244	314	930	457	126	331	787	188	599
Civil engineering	629	175	454	251	88	163	378	87	291
Electrical engineering	1,179	187	992	432	83	349	747	104	643
Engineering science, mechanics, and physics	270	52	218	109	24	85	161	28	133
Industrial and manufacturing engineering	131	29	102	49	13	36	82	16	66
Mechanical engineering	1,058	176	882	391	71	320	667	105	562
Metallurgical and materials engineering	780	154	626	234	46	188	546	108	438
Mining engineering	15	4	11	5	1	4	10	3	7
Nuclear engineering	112	16	96	43	8	35	69	8	61
Petroleum engineering	66	15	51	21	3	18	45	12	33
Engineering nec	241	59	182	91	26	65	150	33	117

nec = not elsewhere classified; S&E = science and engineering.

NOTES: In 2014, the survey frame was updated following a comprehensive frame evaluation study. The study identified potentially eligible but not previously surveyed U.S. academic institutions with master's- or doctorate-granting programs in science, engineering, or health. A total of 151 newly eligible institutions were added, and two private for-profit institutions offering mostly practitioner-based graduate degrees were determined to be ineligible.

SOURCE: National Science Foundation, National Center for Science and Engineering Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering, 2014