

Earned doctoral degrees, by field, citizenship, and race/ethnicity: Selected years, 1977–2001

Field, race/ethnicity, and citizenship	1977	1979	1981	1983	1985	1987	1989	1991	1993	1995	1997	1999	2000	2001
All fields	31,716	31,239	31,356	31,281	31,297	32,370	34,327	37,533	39,800	41,747	42,559	41,097	41,340	40,744
S&E	18,519	18,440	18,914	19,274	19,664	20,694	22,706	25,063	26,640	27,866	28,663	27,347	27,543	27,122
Natural sciences.....	6,894	6,962	7,013	7,179	7,326	7,679	8,100	9,091	9,562	9,996	10,436	9,967	10,014	9,816
Physical sciences.....	2,721	2,674	2,627	2,814	2,934	3,238	3,261	3,626	3,699	3,841	3,769	3,579	3,408	3,389
Earth, atmospheric, and ocean sciences.....	689	642	583	624	599	602	723	815	771	780	878	805	757	749
Biological sciences.....	3,484	3,646	3,803	3,741	3,793	3,839	4,116	4,650	5,092	5,375	5,789	5,583	5,849	5,678
Mathematics/computer sciences.....	964	979	960	987	998	1,190	1,471	1,838	2,026	2,187	2,032	1,938	1,908	1,832
Mathematics.....	933	769	728	701	688	740	859	1,038	1,146	1,190	1,123	1,083	1,049	1,006
Computer sciences.....	31	210	232	286	310	450	612	800	880	997	909	855	859	826
Agricultural sciences.....	782	855	982	1,015	1,110	976	1,086	1,073	968	1,036	982	966	942	848
Social/behavioral sciences.....	6,720	6,582	6,774	6,673	6,335	6,337	6,532	6,806	7,189	7,309	7,674	7,737	7,767	7,511
Psychology.....	2,990	3,091	3,358	3,347	3,118	3,173	3,208	3,250	3,420	3,430	3,562	3,673	3,618	3,433
Social sciences.....	3,730	3,491	3,416	3,326	3,217	3,164	3,324	3,556	3,769	3,879	4,112	4,064	4,149	4,078
Engineering.....	2,648	2,494	2,528	2,710	3,166	3,712	4,543	5,214	5,698	6,008	6,118	5,332	5,320	5,502
Medical/other life sciences ^a	511	568	657	639	729	800	974	1,041	1,197	1,330	1,421	1,407	1,592	1,613
Non-S&E	13,197	12,799	12,442	12,007	11,633	11,676	11,621	12,470	13,160	13,881	13,896	13,750	13,797	13,622
U.S. citizen														
All fields.....	26,145	25,474	25,068	24,393	23,377	22,984	23,402	25,572	26,448	27,743	28,162	27,984	27,955	26,907
S&E.....	14,313	14,212	14,311	14,133	13,688	13,572	14,198	15,407	15,811	16,426	17,076	16,885	16,812	16,069
Natural sciences.....	5,541	5,702	5,725	5,767	5,635	5,486	5,620	6,026	6,005	6,109	6,338	6,169	6,265	6,164
Physical sciences.....	2,071	2,040	1,956	2,077	2,050	2,095	1,984	2,120	2,093	2,137	2,131	2,035	1,890	1,860
Earth, atmospheric, and ocean sciences.....	558	531	472	475	435	410	518	592	463	478	537	474	474	428
Biological sciences.....	2,912	3,131	3,297	3,215	3,150	2,981	3,118	3,314	3,449	3,494	3,670	3,660	3,901	3,876
Mathematics/computer sciences.....	716	715	650	592	566	588	731	850	921	1,038	960	959	904	833
Mathematics.....	691	552	482	412	377	345	393	462	496	554	530	539	517	468
Computer sciences.....	25	163	168	180	189	243	338	388	425	484	430	420	387	365
Agricultural sciences.....	489	545	594	649	683	584	606	564	457	492	467	443	447	401
Social/behavioral sciences.....	5,678	5,505	5,621	5,462	4,975	4,750	4,648	5,102	5,321	5,463	5,613	5,856	5,859	5,462
Psychology.....	2,774	2,852	3,112	3,048	2,805	2,747	2,684	2,953	3,071	3,084	3,041	3,223	3,154	2,938
Social sciences.....	2,904	2,653	2,509	2,414	2,170	2,003	1,964	2,149	2,250	2,379	2,572	2,633	2,705	2,524
Engineering.....	1,475	1,294	1,170	1,164	1,279	1,558	1,864	2,086	2,228	2,386	2,739	2,486	2,217	2,139
Medical/other life sciences ^a	414	451	551	499	550	606	729	779	879	938	959	972	1,120	1,070
Non-S&E.....	11,832	11,262	10,757	10,260	9,689	9,412	9,204	10,165	10,637	11,317	11,086	11,099	11,143	10,838
U.S. permanent resident														
All fields.....	1,368	1,320	1,281	1,274	1,324	1,578	1,626	1,857	2,259	4,318	2,931	2,306	1,957	1,822
S&E.....	1,042	995	932	934	966	1,129	1,151	1,345	1,701	3,615	2,350	1,729	1,489	1,332
Natural sciences.....	375	330	287	264	275	332	358	417	581	1,655	1,022	757	600	559
Physical sciences.....	191	165	147	120	137	147	147	180	237	704	366	242	202	183
Earth, atmospheric, and ocean sciences.....	22	33	16	30	30	25	29	26	41	116	70	51	34	36
Biological sciences.....	162	132	124	114	108	160	182	211	303	835	586	464	364	340
Mathematics/computer sciences.....	55	63	63	73	66	83	93	118	178	349	189	138	126	109
Mathematics.....	54	51	43	46	42	51	35	55	94	217	99	66	56	54
Computer sciences.....	1	12	20	27	24	32	58	63	84	132	90	72	70	55
Agricultural sciences.....	27	29	35	36	43	48	45	56	49	106	83	51	55	28

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Field, race/ethnicity, and citizenship	1977	1979	1981	1983	1985	1987	1989	1991	1993	1995	1997	1999	2000	2001
Social/behavioral sciences.....	212	210	211	211	232	271	263	306	364	443	394	304	281	271
Psychology.....	47	45	47	64	59	59	54	65	90	101	89	70	76	75
Social sciences.....	165	165	164	147	173	212	209	241	274	342	305	234	205	196
Engineering.....	326	323	301	319	315	355	365	388	469	956	593	402	352	296
Medical/other life sciences ^a	47	40	35	31	35	40	27	60	60	106	69	77	75	69
Non-S&E.....	326	325	349	340	358	449	475	512	558	703	581	577	468	490
White														
All fields.....	23,523	22,314	22,473	22,277	21,305	21,119	21,568	23,180	24,035	24,689	23,962	23,892	23,687	22,587
S&E.....	13,187	12,671	13,078	13,143	12,674	12,605	13,185	14,040	14,529	14,722	14,655	14,554	14,392	13,618
Natural sciences.....	5,109	5,093	5,220	5,376	5,246	5,108	5,230	5,567	5,510	5,503	5,528	5,400	5,427	5,281
Physical sciences.....	1,877	1,774	1,757	1,931	1,906	1,956	1,828	1,969	1,911	1,924	1,883	1,839	1,691	1,647
Earth, atmospheric, and ocean sciences.....	515	498	448	445	424	394	498	557	455	464	487	433	430	394
Biological sciences.....	2,717	2,821	3,015	3,000	2,916	2,758	2,904	3,041	3,144	3,115	3,158	3,128	3,306	3,240
Mathematics/computer sciences.....	672	657	610	570	527	548	688	773	885	985	840	861	798	746
Mathematics.....	649	505	448	396	350	319	369	418	476	535	479	505	463	427
Computer sciences.....	23	152	162	174	177	229	319	355	409	450	361	356	335	319
Agricultural sciences.....	458	502	551	614	659	554	570	545	438	473	411	398	414	371
Social/behavioral sciences.....	5,147	4,863	5,100	4,999	4,551	4,383	4,287	4,598	4,872	4,836	4,761	4,948	4,906	4,564
Psychology.....	2,529	2,541	2,849	2,788	2,590	2,516	2,453	2,651	2,803	2,723	2,525	2,702	2,603	2,438
Social sciences.....	2,618	2,322	2,251	2,211	1,961	1,867	1,834	1,947	2,069	2,113	2,236	2,246	2,303	2,126
Engineering.....	1,420	1,156	1,093	1,129	1,189	1,459	1,726	1,837	2,024	2,092	2,287	2,110	1,886	1,746
Medical/other life sciences ^a	381	400	504	455	502	553	684	720	800	833	828	837	961	910
Non-S&E.....	10,336	9,643	9,395	9,134	8,631	8,514	8,383	9,140	9,506	9,967	9,307	9,338	9,295	8,969
Asian/Pacific Islander														
All fields.....	893	1,081	1,070	1,042	1,069	1,166	1,261	1,529	2,002	4,297	3,110	2,499	2,271	2,201
S&E.....	755	899	855	817	843	959	1,003	1,222	1,644	3,752	2,617	2,023	1,804	1,742
Natural sciences.....	312	349	320	326	322	331	377	448	648	1,773	1,192	901	768	789
Physical sciences.....	157	166	149	136	152	143	156	171	260	749	400	253	203	202
Earth, atmospheric, and ocean sciences.....	20	20	14	26	19	18	22	17	22	104	71	39	27	35
Biological sciences.....	135	163	157	164	151	170	199	260	366	920	721	609	538	552
Mathematics/computer sciences.....	42	55	56	54	50	67	76	123	156	344	204	144	146	109
Mathematics.....	42	46	40	34	33	41	24	57	79	207	97	57	70	48
Computer sciences.....	0	9	16	20	17	26	52	66	77	137	107	87	76	61
Agricultural sciences.....	21	23	25	33	24	38	23	24	29	78	63	46	30	16
Social/behavioral sciences.....	109	142	141	120	132	161	145	178	240	432	364	333	322	300
Psychology.....	31	33	41	44	44	47	55	59	73	121	126	132	146	120
Social sciences.....	78	109	100	76	88	114	90	119	167	311	238	201	176	180
Engineering.....	247	301	285	247	281	327	360	405	526	1,032	707	512	439	422
Medical/other life sciences ^a	24	29	28	37	34	35	22	44	45	93	87	87	99	106
Non-S&E.....	138	182	215	225	226	207	258	307	358	545	493	476	467	459

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Field, race/ethnicity, and citizenship	1977	1979	1981	1983	1985	1987	1989	1991	1993	1995	1997	1999	2000	2001
Black														
All fields	1,187	1,102	1,109	1,008	1,043	907	963	1,165	1,278	1,461	1,474	1,760	1,749	1,721
S&E.....	365	367	367	354	397	350	396	503	527	610	670	771	786	760
Natural sciences	70	74	78	72	84	82	92	99	120	152	172	196	187	195
Physical sciences.....	32	37	24	25	27	20	31	32	41	42	52	66	62	54
Earth, atmospheric, and ocean sciences	2	3	4	1	4	2	4	3	4	3	8	14	7	5
Biological sciences	36	34	50	46	53	60	57	64	75	107	112	116	118	136
Mathematics/computer sciences.....	9	12	11	6	10	13	9	19	14	16	11	30	32	34
Mathematics.....	9	11	9	3	7	11	8	11	8	5	7	12	14	19
Computer sciences	0	1	2	3	3	2	1	8	6	11	4	18	18	15
Agricultural sciences.....	15	8	11	12	16	13	14	17	16	17	24	24	18	12
Social/behavioral sciences	233	229	226	219	230	186	219	273	268	295	310	366	393	363
Psychology	94	115	112	112	105	93	97	129	118	149	151	172	190	174
Social sciences	139	114	114	107	125	93	122	144	150	146	159	194	203	189
Engineering.....	15	19	19	29	34	25	33	55	50	70	98	98	81	92
Medical/other life sciences ^a	23	25	22	16	23	31	29	40	59	60	55	57	75	64
Non-S&E	822	735	742	654	646	557	567	662	751	851	804	989	963	961
Hispanic														
All fields	489	547	529	611	634	708	694	868	972	1,064	1,199	1,323	1,307	1,262
S&E.....	208	237	245	292	310	368	393	509	566	603	691	767	762	698
Natural sciences	72	78	77	81	95	123	139	176	206	213	231	259	269	244
Physical sciences.....	34	33	30	27	30	56	59	65	79	73	69	63	78	65
Earth, atmospheric, and ocean sciences	12	6	6	11	6	5	9	16	13	13	16	21	18	15
Biological sciences	26	39	41	43	59	62	71	95	114	127	146	175	173	164
Mathematics/computer sciences.....	12	12	5	7	18	15	15	21	23	21	36	29	29	23
Mathematics.....	12	10	5	7	12	11	11	9	16	15	20	15	15	15
Computer sciences	0	2	0	0	6	4	4	12	7	6	16	14	14	8
Agricultural sciences.....	4	6	16	6	12	15	18	15	20	21	26	15	26	19
Social/behavioral sciences	91	114	126	163	149	170	163	220	227	241	269	336	322	292
Psychology	40	50	66	95	69	95	93	122	131	146	171	215	211	174
Social sciences	51	64	60	68	80	75	70	98	96	95	98	121	111	118
Engineering.....	24	24	16	29	22	34	47	61	66	77	97	82	82	91
Medical/other life sciences ^a	5	3	5	6	14	11	11	16	24	30	32	46	34	29
Non-S&E	281	310	284	319	324	340	301	359	406	461	508	556	545	564
American Indian/Alaskan Native														
All fields	66	81	85	82	96	115	94	132	120	147	167	214	169	151
S&E.....	31	29	33	33	43	56	56	61	49	76	85	120	92	80
Natural sciences	13	6	7	12	17	18	23	23	16	22	19	35	31	27
Physical sciences.....	6	1	1	6	3	7	10	10	5	7	10	9	9	12
Earth, atmospheric, and ocean sciences	0	2	0	2	1	0	6	3	4	0	2	6	5	0
Biological sciences	7	3	6	4	13	11	7	10	7	15	7	20	17	15
Mathematics/computer sciences.....	1	1	1	1	0	3	2	1	2	2	2	2	3	3
Mathematics.....	1	0	1	0	0	0	0	0	1	2	1	1	2	2
Computer sciences	0	1	0	1	0	3	2	1	1	0	1	1	1	1

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Agricultural sciences.....	1	0	1	1	4	2	2	4	1	2	5	1	4	0
Social/behavioral sciences.....	15	19	15	15	19	23	19	22	22	32	36	64	42	37
Psychology.....	9	10	9	9	10	16	11	13	15	14	18	35	22	17
Social sciences.....	6	9	6	6	9	7	8	9	7	18	18	29	20	20
Engineering.....	1	3	4	1	1	7	7	6	2	9	17	12	8	7
Medical/other life sciences ^a	0	0	5	3	2	3	3	5	6	9	6	6	4	6
Non-S&E.....	35	52	52	49	53	59	38	71	71	71	82	94	77	71
Other/unknown race/ethnicity														
All fields.....	1,355	1,669	1,083	647	554	547	448	555	300	403	1,181	602	729	807
S&E.....	809	1,004	665	428	387	363	316	417	197	278	708	379	465	503
Natural sciences.....	340	432	310	164	146	156	117	130	86	101	218	135	183	187
Physical sciences.....	156	194	142	72	69	60	47	53	34	46	83	47	49	63
Earth, atmospheric, and ocean sciences.....	31	35	16	20	11	16	8	22	6	10	23	12	21	15
Biological sciences.....	153	203	152	72	66	80	62	55	46	45	112	76	113	109
Mathematics/computer sciences.....	35	41	30	27	27	25	34	31	19	19	56	31	22	27
Mathematics.....	32	31	22	18	17	14	16	22	10	7	25	15	9	11
Computer sciences.....	3	10	8	9	10	11	18	9	9	12	31	16	13	16
Agricultural sciences.....	17	35	25	19	11	10	24	15	2	7	21	10	10	11
Social/behavioral sciences.....	295	348	224	157	126	98	78	117	56	70	267	113	155	177
Psychology.....	118	148	82	64	46	39	29	44	21	32	139	37	58	90
Social sciences.....	177	200	142	93	80	59	49	73	35	38	128	76	97	87
Engineering.....	94	114	54	48	67	61	56	110	29	62	126	74	73	77
Medical/other life sciences ^a	28	34	22	13	10	13	7	14	5	19	20	16	22	24
Non-S&E.....	546	665	418	219	167	184	132	138	103	125	473	223	264	304
Foreign citizen ^b														
All fields.....	3,480	3,617	3,984	4,540	5,253	5,668	6,686	9,382	9,973	8,829	9,193	9,059	9,649	9,780
S&E.....	2,735	2,761	3,071	3,530	4,160	4,601	5,553	7,859	8,353	7,253	7,782	7,526	7,951	8,242
Natural sciences.....	828	788	826	971	1,166	1,430	1,624	2,515	2,750	2,074	2,637	2,656	2,742	2,704
Physical sciences.....	411	420	448	543	626	808	893	1,264	1,265	931	1,084	1,127	1,154	1,213
Earth, atmospheric, and ocean sciences.....	98	69	87	103	115	124	122	186	236	173	231	242	203	252
Biological sciences.....	319	299	291	325	425	498	609	1,065	1,249	970	1,322	1,287	1,385	1,239
Mathematics/computer sciences.....	170	181	228	282	329	446	524	849	867	749	771	774	804	791
Mathematics.....	167	149	188	209	240	302	346	509	518	384	441	444	443	435
Computer sciences.....	3	32	40	73	89	144	178	340	349	365	330	330	361	356
Agricultural sciences.....	260	268	327	311	355	295	362	443	449	429	392	459	415	358
Social/behavioral sciences.....	656	651	683	699	789	792	961	1,234	1,280	1,228	1,154	1,157	1,238	1,300
Psychology.....	73	73	81	81	81	86	107	134	150	165	137	153	164	152
Social sciences.....	583	578	602	618	708	706	854	1,100	1,130	1,063	1,017	1,004	1,074	1,148
Engineering.....	780	820	951	1,180	1,422	1,540	1,948	2,646	2,792	2,527	2,555	2,194	2,446	2,772
Medical/other life sciences ^a	41	53	56	87	99	98	134	172	215	246	273	286	306	317
Non-S&E.....	745	856	913	1,010	1,093	1,067	1,133	1,523	1,620	1,576	1,411	1,533	1,698	1,538

^aMedical/other life sciences are reported separately from S&E fields in National Science Foundation, Division of Science Resources Statistics (NSF/SRS), higher education publications.

^bIncludes temporary residents only.

NOTES: Data by race/ethnicity include U.S. citizens and permanent residents. For detailed fields, see NSF/SRS, *Science and Engineering Doctorate Awards*, <http://www.nsf.gov/sbe/srs/nsf01325/htmstart.htm>.

SOURCE: NSF/SRS, WebCASPAR database system, <http://caspar.nsf.gov>.