

**Earned doctoral degrees, by field, citizenship, and race/ethnicity: Selected years, 1985–2005**

Field, race/ethnicity, and citizenship	1985	1987	1989	1991	1993	1995	1997	1999	2000	2001	2002	2003	2004	2005
<b>All races/ethnicities and citizenships</b>														
All fields .....	31,295	32,365	34,325	37,530	39,800	41,747	42,535	41,092	41,361	40,651	39,953	40,740	42,117	43,354
S&E.....	19,663	20,692	22,706	25,060	26,640	27,864	28,650	27,338	27,557	27,037	26,235	26,907	27,991	29,751
Engineering.....	3,166	3,712	4,543	5,213	5,698	6,008	6,114	5,330	5,323	5,508	5,077	5,279	5,775	6,404
Aerospace.....	124	142	178	206	228	252	273	206	214	203	209	200	201	219
Chemical.....	504	584	712	691	737	708	767	674	726	730	705	648	725	875
Civil.....	391	477	538	575	624	656	655	584	556	595	627	673	673	757
Electrical.....	716	779	1,137	1,405	1,543	1,731	1,720	1,478	1,543	1,577	1,393	1,465	1,650	1,852
Industrial.....	92	120	162	165	236	284	246	211	176	206	230	214	217	222
Materials.....	303	392	380	489	535	588	582	469	451	497	396	474	511	540
Mechanical.....	513	657	760	875	1,030	1,025	1,022	855	864	953	827	814	852	978
Other.....	523	561	676	807	765	764	849	853	793	747	690	791	946	961
Science.....	16,497	16,980	18,163	19,847	20,942	21,856	22,536	22,008	22,234	21,529	21,158	21,628	22,216	23,347
Natural sciences.....	10,163	10,644	11,631	13,042	13,753	14,549	14,869	14,277	14,463	14,065	13,952	14,217	14,751	15,882
Agricultural sciences.....	1,152	1,005	1,154	1,108	1,036	1,117	1,078	1,065	1,037	975	1,009	1,060	1,045	1,038
Biological sciences.....	3,793	3,839	4,116	4,649	5,092	5,376	5,788	5,581	5,853	5,693	5,690	5,693	5,939	6,368
Earth, atmospheric, and ocean sciences.....	575	599	672	801	721	726	804	723	694	660	689	683	686	713
Atmospheric sciences.....	80	87	87	108	99	130	149	124	143	116	117	139	126	144
Earth sciences.....	385	375	455	560	479	454	489	452	387	393	426	374	420	420
Oceanography.....	110	137	130	133	143	142	166	147	164	151	146	170	140	149
Mathematics/computer sciences.....	998	1,189	1,471	1,838	2,026	2,187	2,032	1,939	1,910	1,832	1,726	1,859	2,024	2,339
Computer sciences.....	310	450	612	800	880	997	909	856	860	825	807	866	948	1,136
Mathematics/statistics.....	688	739	859	1,038	1,146	1,190	1,123	1,083	1,050	1,007	919	993	1,076	1,203
Medical/other life sciences.....	729	800	974	1,041	1,197	1,329	1,421	1,407	1,591	1,541	1,653	1,633	1,719	1,777
Medical sciences.....	367	375	430	456	518	555	545	607	664	648	682	655	776	807
Other life sciences.....	362	425	544	585	679	774	876	800	927	893	971	978	943	970
Physical sciences.....	2,916	3,212	3,244	3,605	3,681	3,814	3,746	3,562	3,378	3,364	3,185	3,289	3,338	3,647
Astronomy.....	100	100	113	125	145	173	198	159	185	186	141	167	165	186
Chemistry.....	1,836	1,975	1,970	2,194	2,137	2,162	2,147	2,132	1,989	1,981	1,921	2,041	1,987	2,127
Physics.....	980	1,137	1,161	1,286	1,399	1,479	1,401	1,271	1,204	1,197	1,123	1,081	1,186	1,334
Social/behavioral sciences.....	6,334	6,336	6,532	6,805	7,189	7,307	7,667	7,731	7,771	7,464	7,206	7,411	7,465	7,465
Psychology.....	3,117	3,172	3,208	3,250	3,420	3,429	3,557	3,668	3,616	3,385	3,197	3,273	3,327	3,327
Social sciences.....	3,217	3,164	3,324	3,555	3,769	3,878	4,110	4,063	4,155	4,079	4,009	4,138	4,138	4,138
Anthropology.....	377	383	351	374	380	410	469	488	482	450	521	505	565	499
Area/ethnic studies.....	106	92	93	116	137	121	94	109	127	146	122	106	133	110
Economics.....	959	960	1,062	1,053	1,067	1,152	1,163	1,075	1,086	1,081	1,026	1,050	1,069	1,184
History of science.....	23	25	20	27	37	41	35	50	42	40	47	46	48	43
Linguistics.....	176	199	188	227	214	201	244	251	230	230	193	224	254	211
Political science/public administration.....	666	647	700	740	824	894	975	1,016	986	984	938	1,024	946	990
Sociology.....	486	449	458	493	535	555	601	572	637	577	566	612	599	555
Other social sciences.....	424	409	452	525	575	504	529	502	565	571	596	571	524	546
Non-S&E.....	11,632	11,673	11,619	12,470	13,160	13,883	13,885	13,754	13,804	13,614	13,718	13,833	14,126	13,603

**Earned doctoral degrees, by field, citizenship, and race/ethnicity: Selected years, 1985–2005**

Field, race/ethnicity, and citizenship	1985	1987	1989	1991	1993	1995	1997	1999	2000	2001	2002	2003	2004	2005
<b>U.S. citizen</b>														
All fields .....	23,388	22,997	23,413	25,583	26,462	27,740	28,151	27,992	27,986	26,975	25,998	26,499	26,466	26,312
S&E.....	13,691	13,580	14,207	15,412	15,820	16,425	17,071	16,887	16,826	16,112	15,466	15,799	15,933	16,118
Engineering.....	1,279	1,559	1,866	2,087	2,229	2,386	2,739	2,487	2,223	2,153	1,893	1,912	1,945	1,999
Aerospace.....	53	64	75	103	114	140	155	103	117	94	82	70	71	93
Chemical .....	240	294	383	348	324	291	321	333	340	333	301	272	292	294
Civil .....	130	162	188	173	169	206	249	261	221	223	211	239	190	211
Electrical.....	270	321	440	555	630	683	753	639	533	469	422	410	421	466
Industrial.....	29	44	51	50	89	108	102	86	67	74	71	55	63	59
Materials .....	144	176	173	211	228	238	271	225	221	202	164	176	192	177
Mechanical.....	193	241	259	297	347	383	456	399	341	386	286	288	270	292
Other .....	220	257	297	350	328	337	432	441	383	372	356	402	446	407
Science.....	12,412	12,021	12,341	13,325	13,591	14,039	14,332	14,400	14,603	13,959	13,573	13,887	13,988	14,119
Natural sciences.....	7,436	7,266	7,691	8,220	8,266	8,577	8,724	8,544	8,743	8,517	8,310	8,560	8,694	8,948
Agricultural sciences.....	715	606	660	591	506	554	532	506	498	469	460	521	531	527
Biological sciences.....	3,150	2,982	3,119	3,313	3,449	3,494	3,670	3,659	3,904	3,909	3,798	3,796	3,963	4,141
Earth, atmospheric, and ocean sciences .....	411	403	477	580	426	431	488	423	444	382	397	419	415	421
Atmospheric sciences.....	54	51	55	56	42	64	83	61	76	55	61	66	67	82
Earth sciences.....	278	261	335	431	303	284	310	273	256	245	246	244	255	242
Oceanography .....	79	91	87	93	81	83	95	89	112	82	90	109	93	97
Mathematics/computer sciences .....	566	589	732	850	923	1,038	960	960	907	840	768	860	853	885
Computer sciences.....	189	244	339	388	427	484	430	421	389	369	356	389	397	405
Mathematics/statistics.....	377	345	393	462	496	554	530	539	518	471	412	471	456	480
Medical/other life sciences .....	550	606	730	779	879	938	959	972	1,119	1,063	1,125	1,164	1,192	1,206
Medical sciences.....	236	249	279	286	310	324	308	374	411	389	384	428	468	484
Other life sciences.....	314	357	451	493	569	614	651	598	708	674	741	736	724	722
Physical sciences .....	2,044	2,080	1,973	2,107	2,083	2,122	2,115	2,024	1,871	1,854	1,762	1,800	1,740	1,768
Astronomy.....	82	72	78	84	106	120	151	111	127	120	101	125	113	120
Chemistry.....	1,345	1,381	1,298	1,351	1,273	1,238	1,233	1,256	1,119	1,131	1,135	1,172	1,112	1,131
Physics.....	617	627	597	672	704	764	731	657	625	603	526	503	515	517
Social/behavioral sciences.....	4,976	4,755	4,650	5,105	5,325	5,462	5,608	5,856	5,860	5,442	5,263	5,327	5,294	5,171
Psychology .....	2,804	2,749	2,685	2,954	3,071	3,083	3,036	3,223	3,155	2,902	2,722	2,786	2,723	2,811
Social sciences.....	2,172	2,006	1,965	2,151	2,254	2,379	2,572	2,633	2,705	2,540	2,541	2,541	2,571	2,360
Anthropology .....	322	312	279	315	312	330	356	374	387	348	405	407	449	375
Area/ethnic studies.....	90	81	77	92	105	96	86	91	116	129	97	89	116	96
Economics.....	523	488	509	452	437	492	487	463	443	403	371	349	357	331
History of science.....	17	24	16	18	28	31	32	40	32	36	40	35	39	32
Linguistics.....	107	107	88	117	91	98	126	136	105	108	90	95	111	98
Political science/public administration .....	473	422	439	502	563	636	730	756	763	711	704	736	691	681
Sociology.....	375	318	300	324	359	378	415	429	478	448	455	466	452	398
Other social sciences.....	265	254	257	331	359	318	340	344	381	357	379	364	356	349
Non-S&E.....	9,697	9,417	9,206	10,171	10,642	11,315	11,080	11,105	11,160	10,863	10,532	10,700	10,533	10,194
<b>White</b>														
All fields.....	20,778	20,469	20,900	22,428	23,251	23,888	23,181	23,098	22,970	21,869	20,757	20,872	20,762	20,845

**Earned doctoral degrees, by field, citizenship, and race/ethnicity: Selected years, 1985–2005**

Field, race/ethnicity, and citizenship	1985	1987	1989	1991	1993	1995	1997	1999	2000	2001	2002	2003	2004	2005
S&E.....	12,324	12,150	12,731	13,530	13,988	14,165	14,106	14,012	13,861	13,110	12,430	12,546	12,568	12,777
Engineering.....	1,098	1,331	1,585	1,708	1,891	1,958	2,151	1,991	1,765	1,650	1,395	1,457	1,462	1,521
Aerospace .....	48	55	67	89	99	116	133	92	103	75	70	56	56	71
Chemical .....	199	252	329	300	282	242	269	279	268	263	214	203	212	223
Civil .....	115	140	163	143	147	175	206	219	181	176	170	203	150	174
Electrical.....	232	256	360	431	507	540	529	472	398	337	278	264	290	332
Industrial.....	28	39	41	42	67	85	78	74	56	49	53	43	51	46
Materials .....	127	151	147	179	198	189	226	177	180	158	121	143	150	145
Mechanical.....	160	203	218	244	303	320	361	323	262	292	213	228	196	228
Other .....	189	235	260	280	288	291	349	355	317	300	276	317	357	302
Science.....	11,226	10,819	11,146	11,822	12,097	12,207	11,955	12,021	12,096	11,460	11,035	11,089	11,106	11,256
Natural sciences.....	6,786	6,565	6,978	7,358	7,374	7,504	7,339	7,190	7,308	7,033	6,824	6,887	6,957	7,158
Agricultural sciences .....	675	563	612	551	473	511	452	442	433	417	407	452	457	473
Biological sciences.....	2,872	2,696	2,833	2,964	3,054	3,020	3,068	3,017	3,195	3,143	3,028	2,978	3,104	3,248
Earth, atmospheric, and ocean sciences .....	387	373	444	536	403	410	436	365	398	345	361	369	364	374
Atmospheric sciences.....	50	42	52	53	40	62	76	56	70	49	57	62	59	73
Earth sciences.....	262	247	313	398	286	270	279	233	228	219	225	217	216	215
Oceanography.....	75	84	79	85	77	78	81	76	100	77	79	90	89	86
Mathematics/computer sciences .....	507	509	647	732	823	923	790	810	748	696	620	673	684	692
Computer sciences.....	170	215	296	330	378	416	341	336	311	300	267	294	308	305
Mathematics/statistics .....	337	294	351	402	445	507	449	474	437	396	353	379	376	387
Medical/other life sciences.....	494	536	676	691	782	806	813	816	940	885	944	934	938	929
Medical sciences.....	207	216	251	247	275	266	244	300	325	294	292	320	350	343
Other life sciences.....	287	320	425	444	507	540	569	516	615	591	652	614	588	586
Physical sciences .....	1,851	1,888	1,766	1,884	1,839	1,834	1,780	1,740	1,594	1,547	1,464	1,481	1,410	1,442
Astronomy.....	76	68	73	81	97	109	129	104	111	100	85	99	92	100
Chemistry.....	1,219	1,243	1,167	1,201	1,119	1,065	1,040	1,054	952	937	951	974	894	925
Physics.....	556	577	526	602	623	660	611	582	531	510	428	408	424	417
Social/behavioral sciences.....	4,440	4,254	4,168	4,464	4,723	4,703	4,616	4,831	4,788	4,427	4,211	4,202	4,149	4,098
Psychology .....	2,552	2,478	2,424	2,616	2,747	2,674	2,481	2,667	2,569	2,372	2,188	2,222	2,105	2,243
Social sciences.....	1,888	1,776	1,744	1,848	1,976	2,029	2,135	2,164	2,219	2,055	2,023	1,980	2,044	1,855
Anthropology.....	273	269	250	289	286	284	290	319	328	283	321	304	358	300
Area/ethnic studies.....	82	74	64	75	90	77	69	68	91	97	71	60	75	63
Economics.....	469	439	461	394	391	426	402	393	374	338	305	290	288	267
History of science.....	16	22	15	16	23	30	25	35	30	30	38	31	32	25
Linguistics.....	90	94	82	102	76	87	107	114	93	89	77	79	96	85
Political science/public administration .....	397	369	394	427	492	546	630	625	620	569	561	582	554	550
Sociology .....	326	282	245	268	303	318	332	334	368	343	343	338	354	293
Other social sciences.....	235	227	233	277	315	261	280	276	315	306	307	296	287	272
Non-S&E.....	8,454	8,319	8,169	8,898	9,263	9,723	9,075	9,086	9,109	8,759	8,327	8,326	8,194	8,068
Asian/Pacific Islander														
All fields.....	516	545	627	787	881	1,129	1,295	1,305	1,365	1,456	1,439	1,438	1,511	1,560
S&E.....	388	468	501	620	722	906	1,041	1,032	1,047	1,152	1,136	1,123	1,176	1,244

**Earned doctoral degrees, by field, citizenship, and race/ethnicity: Selected years, 1985–2005**

Field, race/ethnicity, and citizenship	1985	1987	1989	1991	1993	1995	1997	1999	2000	2001	2002	2003	2004	2005
Engineering.....	90	136	173	187	217	254	290	263	241	268	250	213	229	246
Aerospace .....	3	6	5	9	9	14	8	9	5	10	6	7	7	7
Chemical .....	22	24	40	27	26	27	17	32	44	37	49	37	47	33
Civil .....	5	14	14	11	11	15	13	20	18	16	14	10	12	13
Electrical.....	15	42	48	67	85	92	128	92	79	83	81	80	63	80
Industrial .....	0	2	8	3	10	10	11	2	5	13	4	4	4	3
Materials .....	11	15	18	21	18	33	25	27	23	24	24	15	23	16
Mechanical.....	21	25	25	26	34	37	50	42	39	49	32	27	37	32
Other .....	13	8	15	23	24	26	38	39	28	36	40	33	36	62
Science.....	298	332	328	433	505	652	751	769	806	884	886	910	947	998
Natural sciences.....	228	248	256	338	392	477	554	564	582	660	665	685	690	776
Agricultural sciences .....	9	17	8	11	9	11	22	22	15	11	14	10	14	13
Biological sciences .....	106	107	120	159	186	225	255	288	318	373	392	395	400	423
Earth, atmospheric, and ocean sciences .....	7	9	11	5	6	7	10	14	8	13	6	9	7	12
Atmospheric sciences.....	2	4	0	0	0	1	3	1	0	2	1	0	4	2
Earth sciences.....	4	5	9	4	4	4	5	10	5	11	4	6	3	6
Oceanography .....	1	0	2	1	2	2	2	3	3	0	1	3	0	4
Mathematics/computer sciences .....	16	29	31	55	57	66	75	72	85	68	70	84	72	93
Computer sciences.....	2	11	18	32	29	42	42	43	41	36	50	46	43	53
Mathematics/statistics .....	14	18	13	23	28	24	33	29	44	32	20	38	29	40
Medical/other life sciences .....	14	19	11	23	17	22	42	45	55	67	59	73	68	92
Medical sciences.....	9	13	7	9	11	14	23	27	33	47	41	45	46	61
Other life sciences.....	5	6	4	14	6	8	19	18	22	20	18	28	22	31
Physical sciences .....	76	67	75	85	117	146	150	123	101	128	124	114	129	143
Astronomy.....	1	1	0	0	2	4	6	2	8	6	8	8	7	7
Chemistry.....	57	49	42	62	75	90	81	88	49	76	78	66	88	88
Physics.....	18	17	33	23	40	52	63	33	44	46	38	40	34	48
Social/behavioral sciences.....	70	84	72	95	113	175	197	205	224	224	221	225	257	222
Psychology .....	34	38	38	46	52	83	101	110	121	105	114	111	143	117
Social sciences.....	36	46	34	49	61	92	96	95	103	119	107	114	114	105
Anthropology .....	7	8	3	2	3	9	8	8	9	14	10	16	19	17
Area/ethnic studies.....	1	1	1	3	4	2	2	3	5	4	2	5	7	4
Economics.....	8	18	15	21	18	32	34	20	27	32	28	28	27	27
History of science.....	0	0	0	0	1	0	1	2	0	1	0	0	1	2
Linguistics.....	7	3	0	2	5	4	8	5	3	5	5	4	3	2
Political science/public administration .....	7	4	6	11	12	22	23	24	24	24	28	23	28	25
Sociology .....	2	8	7	6	10	15	8	19	19	24	21	16	21	16
Other social sciences.....	4	4	2	4	8	8	12	14	16	15	13	22	8	12
Non-S&E.....	128	77	126	167	159	223	254	273	318	304	303	315	335	316
Black														
All fields.....	911	769	822	1,011	1,109	1,293	1,336	1,630	1,631	1,611	1,665	1,708	1,881	1,688
S&E.....	310	271	322	403	427	516	581	689	713	690	704	689	790	754
Engineering.....	19	12	24	43	41	53	83	85	74	82	76	71	84	85

**Earned doctoral degrees, by field, citizenship, and race/ethnicity: Selected years, 1985–2005**

Field, race/ethnicity, and citizenship	1985	1987	1989	1991	1993	1995	1997	1999	2000	2001	2002	2003	2004	2005
Aerospace .....	1	1	1	1	3	1	3	1	4	0	2	1	1	2
Chemical .....	4	4	2	4	4	2	12	9	8	16	10	8	9	11
Civil .....	2	1	2	8	3	7	9	5	5	7	10	6	5	7
Electrical.....	6	0	8	16	13	20	27	26	19	20	15	21	31	28
Industrial .....	1	0	2	1	9	7	7	7	4	6	4	2	3	7
Materials .....	1	2	0	1	3	5	3	5	4	5	5	3	5	4
Mechanical.....	1	2	5	3	2	7	10	10	17	17	16	9	14	8
Other .....	3	2	4	9	4	4	12	22	13	11	14	21	16	18
Science.....	291	259	298	360	386	463	498	604	639	608	628	618	706	669
Natural sciences.....	96	106	111	134	162	205	225	268	271	275	287	282	333	353
Agricultural sciences.....	6	7	7	6	5	11	15	19	12	9	9	18	18	13
Biological sciences.....	44	45	46	51	64	90	101	109	110	125	114	100	136	142
Earth, atmospheric, and ocean sciences.....	1	1	2	2	3	0	3	8	3	5	4	11	6	6
Atmospheric sciences.....	1	1	0	0	0	0	0	1	1	0	1	1	1	3
Earth sciences.....	0	0	1	1	2	0	2	4	1	2	2	4	4	2
Oceanography.....	0	0	1	1	1	0	1	3	1	3	1	6	1	1
Mathematics/computer sciences.....	5	12	7	14	10	13	10	27	27	30	30	31	23	31
Computer sciences.....	2	2	1	5	5	9	4	17	13	13	17	17	15	15
Mathematics/statistics.....	3	10	6	9	5	4	6	10	14	17	13	14	8	16
Medical/other life sciences.....	17	25	24	35	52	55	51	51	67	60	68	74	101	114
Medical sciences.....	7	9	9	16	18	23	16	17	29	27	26	26	44	49
Other life sciences.....	10	16	15	19	34	32	35	34	38	33	42	48	57	65
Physical sciences.....	23	16	25	26	28	36	45	54	52	46	62	48	49	47
Astronomy.....	0	2	0	0	2	1	2	2	1	1	1	1	0	2
Chemistry.....	19	11	20	19	19	27	31	46	36	36	41	35	40	35
Physics.....	4	3	5	7	7	8	12	6	15	9	20	12	9	10
Social/behavioral sciences.....	195	153	187	226	224	258	273	336	368	333	341	336	373	316
Psychology.....	100	88	96	125	116	143	142	168	184	167	162	163	204	159
Social sciences.....	95	65	91	101	108	115	131	168	184	166	179	173	169	157
Anthropology.....	9	8	7	6	8	5	11	12	19	10	21	21	15	22
Area/ethnic studies.....	2	5	6	8	7	9	9	12	11	17	11	10	10	11
Economics.....	9	8	8	11	15	14	14	22	14	8	13	9	21	7
History of science.....	0	2	0	0	1	0	3	1	1	1	0	0	1	1
Linguistics.....	2	2	3	3	5	1	2	3	1	4	1	0	3	1
Political science/public administration.....	34	21	26	29	32	39	31	52	58	65	62	67	57	51
Sociology.....	24	10	26	20	23	25	37	40	52	40	45	46	36	38
Other social sciences.....	15	9	15	24	17	22	24	26	28	21	26	20	26	26
Non-S&E.....	601	498	500	608	682	777	755	941	918	921	961	1,019	1,091	934
Hispanic														
All fields.....	563	619	583	733	835	922	1,064	1,184	1,182	1,122	1,237	1,280	1,178	1,294
S&E.....	263	320	323	424	465	517	604	685	684	603	682	697	688	763
Engineering.....	16	24	33	49	56	61	82	71	69	74	88	91	73	73
Aerospace.....	0	1	1	0	3	7	4	0	3	5	2	4	3	6

**Earned doctoral degrees, by field, citizenship, and race/ethnicity: Selected years, 1985–2005**

Field, race/ethnicity, and citizenship	1985	1987	1989	1991	1993	1995	1997	1999	2000	2001	2002	2003	2004	2005
Chemical .....	2	7	5	10	10	12	6	5	13	5	16	14	9	15
Civil .....	6	1	4	5	7	7	10	11	8	8	8	11	16	10
Electrical.....	1	4	10	12	16	14	23	28	19	15	28	21	12	11
Industrial .....	0	1	0	3	3	4	4	2	0	3	5	3	1	1
Materials .....	0	2	1	5	6	5	10	7	7	8	7	9	7	10
Mechanical.....	3	4	3	8	3	5	13	8	10	17	10	12	9	12
Other .....	4	4	9	6	8	7	12	10	9	13	12	17	16	8
Science.....	247	296	290	375	409	456	522	614	615	529	594	606	615	690
Natural sciences.....	114	140	150	181	213	229	281	302	319	278	301	310	332	378
Agricultural sciences .....	11	12	12	8	15	12	15	11	20	21	20	19	15	14
Biological sciences .....	49	52	58	79	93	104	132	154	155	149	161	158	175	207
Earth, atmospheric, and ocean sciences .....	3	3	6	11	7	5	15	18	16	5	11	10	10	15
Atmospheric sciences.....	0	1	1	0	2	0	1	3	2	0	1	0	0	3
Earth sciences.....	3	1	4	10	5	4	10	8	5	4	3	3	9	7
Oceanography .....	0	1	1	1	0	1	4	5	6	0	6	7	1	5
Mathematics/computer sciences .....	12	14	12	17	14	18	32	24	24	20	24	24	33	32
Computer sciences.....	5	4	4	11	5	6	15	12	11	6	13	9	12	9
Mathematics/statistics .....	7	10	8	6	9	12	17	12	13	14	11	15	21	23
Medical/other life sciences .....	13	11	10	12	19	29	29	39	33	22	30	38	43	41
Medical sciences.....	5	5	6	3	3	12	14	22	18	12	14	18	16	17
Other life sciences.....	8	6	4	9	16	17	15	17	15	10	16	20	27	24
Physical sciences.....	26	48	52	54	65	61	58	56	71	61	55	61	56	69
Astronomy.....	0	0	1	1	1	3	3	1	1	7	3	3	6	3
Chemistry.....	14	40	40	39	43	38	36	41	49	39	35	38	38	52
Physics.....	12	8	11	14	21	20	19	14	21	15	17	20	12	14
Social/behavioral sciences.....	133	156	140	194	196	227	241	312	296	251	293	296	283	312
Psychology .....	64	92	87	113	120	138	161	206	203	155	179	162	164	178
Social sciences.....	69	64	53	81	76	89	80	106	93	96	114	134	119	134
Anthropology.....	14	14	8	10	12	19	16	10	10	17	22	32	31	17
Area/ethnic studies.....	2	0	3	4	2	2	1	3	5	4	5	7	12	11
Economics.....	14	11	12	10	11	12	18	18	16	11	13	12	8	19
History of science.....	0	0	1	0	3	1	0	0	1	2	1	1	2	2
Linguistics.....	3	5	2	7	2	5	5	11	5	3	4	5	5	4
Political science/public administration .....	13	16	7	18	19	21	14	27	25	19	33	29	29	32
Sociology .....	16	9	17	21	16	13	17	24	24	33	21	39	25	33
Other social sciences.....	7	9	3	11	11	16	9	13	7	7	15	9	7	16
Non-S&E.....	300	299	260	309	370	405	460	499	498	519	555	583	490	531
American Indian/Alaska Native														
All fields.....	96	115	94	130	120	148	167	214	169	148	146	134	129	139
S&E.....	43	56	56	61	49	77	85	120	92	77	69	74	62	70
Engineering.....	1	7	7	6	2	9	17	12	8	6	6	11	5	8
Aerospace .....	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Chemical .....	0	1	1	1	1	2	4	2	1	1	1	1	2	0

**Earned doctoral degrees, by field, citizenship, and race/ethnicity: Selected years, 1985–2005**

Field, race/ethnicity, and citizenship	1985	1987	1989	1991	1993	1995	1997	1999	2000	2001	2002	2003	2004	2005
Civil .....	0	1	1	1	0	0	2	2	1	0	0	1	3	0
Electrical.....	1	3	0	2	0	1	5	1	0	1	0	5	0	2
Industrial .....	0	0	0	0	0	1	0	0	0	0	1	0	0	0
Materials .....	0	0	4	1	0	0	0	2	0	1	1	0	0	0
Mechanical.....	0	1	0	1	0	2	6	2	3	1	1	0	0	4
Other .....	0	1	1	0	1	3	0	3	3	2	2	4	0	1
Science.....	42	49	49	55	47	68	68	108	84	71	63	63	57	62
Natural sciences.....	23	26	30	33	25	36	32	44	42	34	28	25	32	28
Agricultural sciences .....	4	2	2	4	2	2	5	1	5	0	2	4	4	3
Biological sciences .....	13	11	7	10	7	15	7	20	17	15	12	11	14	12
Earth, atmospheric, and ocean sciences .....	1	0	6	3	3	0	3	6	4	0	0	2	4	4
Atmospheric sciences.....	0	0	1	0	0	0	0	0	0	0	0	0	1	1
Earth sciences.....	1	0	3	2	3	0	0	6	4	0	0	1	3	3
Oceanography .....	0	0	2	1	0	0	3	0	0	0	0	1	0	0
Mathematics/computer sciences .....	0	3	2	1	2	2	2	2	3	1	4	4	2	1
Computer sciences.....	0	3	2	1	1	0	1	1	1	0	1	2	2	1
Mathematics/statistics .....	0	0	0	0	1	2	1	1	2	1	3	2	0	0
Medical/other life sciences .....	2	3	3	5	6	9	6	6	4	6	3	2	3	4
Medical sciences.....	2	1	2	3	1	1	2	0	2	2	1	1	0	1
Other life sciences.....	0	2	1	2	5	8	4	6	2	4	2	1	3	3
Physical sciences .....	3	7	10	10	5	8	9	9	9	12	7	2	5	4
Astronomy.....	0	0	2	0	1	0	1	1	1	1	0	0	0	0
Chemistry.....	2	6	5	9	2	6	6	5	7	11	5	2	4	2
Physics.....	1	1	3	1	2	2	2	3	1	0	2	0	1	2
Social/behavioral sciences.....	19	23	19	22	22	32	36	64	42	37	35	38	25	34
Psychology .....	10	16	11	13	15	14	18	35	22	17	15	22	12	15
Social sciences.....	9	7	8	9	7	18	18	29	20	20	20	16	13	19
Anthropology.....	3	1	1	1	3	5	3	8	5	8	6	2	2	3
Area/ethnic studies.....	0	1	1	0	1	1	4	3	1	2	2	2	3	2
Economics.....	2	0	1	1	0	2	1	1	1	2	0	1	0	1
History of science.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Linguistics.....	1	0	0	0	1	0	1	1	0	0	0	1	0	0
Political science/public administration .....	1	2	2	3	0	2	4	7	4	5	3	7	2	4
Sociology .....	1	2	1	2	0	1	4	4	6	2	7	0	2	4
Other social sciences.....	1	1	2	2	2	7	1	5	3	1	2	3	4	5
Non-S&E.....	53	59	38	69	71	71	82	94	77	71	77	60	67	69
Other/unknown race/ethnicity														
All fields.....	524	480	387	494	266	360	1,108	561	669	769	754	1,067	1,005	786
S&E.....	363	315	274	374	169	244	654	349	429	480	445	670	649	510
Engineering.....	55	49	44	94	22	51	116	65	66	73	78	69	92	66
Aerospace .....	1	1	1	4	0	2	7	1	2	4	2	2	4	6
Chemical .....	13	6	6	6	1	6	13	6	6	11	11	9	13	12
Civil .....	2	5	4	5	1	2	9	4	8	16	9	8	4	7

**Earned doctoral degrees, by field, citizenship, and race/ethnicity: Selected years, 1985–2005**

Field, race/ethnicity, and citizenship	1985	1987	1989	1991	1993	1995	1997	1999	2000	2001	2002	2003	2004	2005
Electrical.....	15	16	14	27	9	16	41	20	18	13	20	19	25	13
Industrial .....	0	2	0	1	0	1	2	1	2	3	4	3	4	2
Materials .....	5	6	3	4	3	6	7	7	7	6	6	6	7	2
Mechanical .....	8	6	8	15	5	12	16	14	10	10	14	12	14	8
Other .....	11	7	8	32	3	6	21	12	13	10	12	10	21	16
Science.....	308	266	230	280	147	193	538	284	363	407	367	601	557	444
Natural sciences.....	189	181	166	176	100	126	293	176	221	237	205	371	350	255
Agricultural sciences .....	10	5	19	11	2	7	23	11	13	11	8	18	23	11
Biological sciences .....	66	71	55	50	45	40	107	71	109	104	91	154	134	109
Earth, atmospheric, and ocean sciences .....	12	17	8	23	4	9	21	12	15	14	15	18	24	10
Atmospheric sciences.....	1	3	1	3	0	1	3	0	3	4	1	3	2	0
Earth sciences.....	8	8	5	16	3	6	14	10	10	8	11	13	20	9
Oceanography .....	3	6	2	4	1	2	4	2	2	2	3	2	2	1
Mathematics/computer sciences .....	26	22	33	31	17	16	51	25	20	25	20	44	39	36
Computer sciences.....	10	9	18	9	9	11	27	12	12	14	8	21	17	22
Mathematics/statistics .....	16	13	15	22	8	5	24	13	8	11	12	23	22	14
Medical/other life sciences .....	10	12	6	13	3	17	18	15	20	23	21	43	39	26
Medical sciences.....	6	5	4	8	2	8	9	8	4	7	10	18	12	13
Other life sciences.....	4	7	2	5	1	9	9	7	16	16	11	25	27	13
Physical sciences .....	65	54	45	48	29	37	73	42	44	60	50	94	91	63
Astronomy.....	5	1	2	2	3	3	10	1	5	5	4	14	8	8
Chemistry.....	34	32	24	21	15	12	39	22	26	32	25	57	48	29
Physics.....	26	21	19	25	11	22	24	19	13	23	21	23	35	26
Social/behavioral sciences.....	119	85	64	104	47	67	245	108	142	170	162	230	207	189
Psychology .....	44	37	29	41	21	31	133	37	56	86	64	106	95	99
Social sciences.....	75	48	35	63	26	36	112	71	86	84	98	124	112	90
Anthropology .....	16	12	10	7	0	8	28	17	16	16	25	32	24	16
Area/ethnic studies.....	3	0	2	2	1	5	1	2	3	5	6	5	9	5
Economics.....	21	12	12	15	2	6	18	9	11	12	12	9	13	10
History of science.....	1	0	0	2	0	0	3	2	0	2	1	3	3	2
Linguistics.....	4	3	1	3	2	1	3	2	3	7	3	6	4	6
Political science/public administration .....	21	10	4	14	8	6	28	21	32	29	17	28	21	19
Sociology .....	6	7	4	7	7	6	17	8	9	6	18	27	14	14
Other social sciences.....	3	4	2	13	6	4	14	10	12	7	16	14	24	18
Non-S&E.....	161	165	113	120	97	116	454	212	240	289	309	397	356	276
U.S. permanent resident														
All fields .....	1,319	1,571	1,625	1,851	2,255	4,317	2,932	2,310	1,950	1,825	1,652	1,630	1,538	1,600
S&E.....	964	1,126	1,150	1,343	1,699	3,614	2,350	1,731	1,484	1,338	1,238	1,157	1,076	1,189
Engineering.....	315	355	365	388	469	956	593	404	350	299	272	266	242	285
Aerospace.....	17	8	8	11	6	13	13	9	10	8	10	10	6	5
Chemical .....	52	56	62	51	53	90	88	38	43	29	34	20	22	37
Civil .....	40	41	59	40	59	103	78	51	40	47	37	30	34	41
Electrical.....	83	73	99	132	165	288	187	127	116	95	84	92	79	100



**Earned doctoral degrees, by field, citizenship, and race/ethnicity: Selected years, 1985–2005**

Field, race/ethnicity, and citizenship	1985	1987	1989	1991	1993	1995	1997	1999	2000	2001	2002	2003	2004	2005
Industrial.....	9	13	8	18	16	41	17	13	10	15	10	16	14	17
Materials .....	21	38	21	29	39	114	44	36	23	23	11	24	19	17
Mechanical .....	58	67	66	62	87	180	82	65	55	42	57	45	28	31
Other .....	35	59	42	45	44	127	84	65	53	40	29	29	40	37
Science.....	649	771	785	955	1,230	2,658	1,757	1,327	1,134	1,039	966	891	834	904
Natural sciences.....	418	503	522	649	866	2,215	1,363	1,023	856	764	707	649	587	644
Agricultural sciences.....	46	50	49	57	55	112	88	55	61	37	32	41	35	30
Biological sciences.....	108	160	181	211	303	835	586	464	364	339	315	263	233	255
Earth, atmospheric, and ocean sciences.....	29	23	26	24	37	112	67	48	30	29	36	32	23	21
Atmospheric sciences.....	5	2	5	4	8	29	19	16	10	6	7	12	4	4
Earth sciences.....	21	17	11	17	19	64	39	22	15	15	17	12	16	14
Oceanography.....	3	4	10	3	10	19	9	10	5	8	12	8	3	3
Mathematics/computer sciences.....	66	83	93	118	177	349	189	138	125	110	95	103	105	129
Computer sciences.....	24	32	58	63	83	132	90	72	69	55	64	57	50	68
Mathematics/statistics.....	42	51	35	55	94	217	99	66	56	55	31	46	55	61
Medical/other life sciences.....	35	40	27	60	60	105	69	77	75	68	68	59	73	77
Medical sciences.....	28	25	20	45	34	59	35	38	40	43	39	26	41	41
Other life sciences.....	7	15	7	15	26	46	34	39	35	25	29	33	32	36
Physical sciences.....	134	147	146	179	234	702	364	241	201	181	161	151	118	132
Astronomy.....	2	1	4	2	5	21	7	6	12	4	5	5	2	0
Chemistry.....	87	91	85	110	127	386	205	150	122	102	93	94	72	82
Physics.....	45	55	57	67	102	295	152	85	67	75	63	52	44	50
Social/behavioral sciences.....	231	268	263	306	364	443	394	304	278	275	259	242	247	260
Psychology.....	59	58	54	65	90	101	89	70	75	75	71	69	65	80
Social sciences.....	172	210	209	241	274	342	305	234	203	200	188	173	182	180
Anthropology.....	15	18	14	16	23	28	20	26	24	21	25	15	22	17
Area/ethnic studies.....	4	2	2	4	4	10	2	3	2	3	6	4	3	2
Economics.....	64	85	66	77	77	134	103	80	58	61	55	59	44	54
History of science.....	1	0	0	1	0	2	1	2	3	3	0	1	3	1
Linguistics.....	15	10	23	19	26	20	33	20	14	16	18	19	25	17
Political science/public administration.....	28	39	49	50	55	53	59	50	39	40	28	30	41	42
Sociology.....	17	28	26	41	36	51	46	30	37	23	23	21	15	27
Other social sciences.....	28	28	29	33	53	44	41	23	26	33	33	24	29	20
Non-S&E.....	355	445	475	508	556	703	582	579	466	487	414	473	462	411
Temporary resident														
All fields.....	5,247	5,659	6,678	9,374	9,964	8,831	9,191	9,057	9,660	9,800	9,731	10,589	11,617	12,824
S&E.....	4,159	4,595	5,546	7,853	8,347	7,253	7,780	7,524	7,964	8,260	8,015	8,711	9,516	10,792
Engineering.....	1,423	1,539	1,946	2,644	2,791	2,527	2,555	2,191	2,451	2,787	2,649	2,910	3,308	3,754
Aerospace.....	51	59	83	90	99	94	97	82	74	87	106	111	116	115
Chemical.....	201	217	237	283	338	318	343	282	307	335	327	341	367	474
Civil.....	207	237	263	355	379	337	310	253	280	300	349	388	422	475
Electrical.....	312	311	499	693	705	712	712	637	784	930	824	915	1,057	1,189
Industrial.....	48	57	91	94	125	131	118	108	94	110	134	137	134	128

**Earned doctoral degrees, by field, citizenship, and race/ethnicity: Selected years, 1985–2005**

Field, race/ethnicity, and citizenship	1985	1987	1989	1991	1993	1995	1997	1999	2000	2001	2002	2003	2004	2005
Materials .....	127	159	155	241	251	224	244	193	181	250	196	260	280	317
Mechanical .....	239	303	359	496	554	439	449	354	433	494	446	446	525	606
Other .....	238	196	259	392	340	272	282	282	298	281	267	312	407	450
Science.....	2,736	3,056	3,600	5,209	5,556	4,726	5,225	5,333	5,513	5,473	5,366	5,801	6,208	7,038
Natural sciences.....	1,948	2,266	2,641	3,979	4,279	3,499	4,071	4,176	4,270	4,175	4,166	4,389	4,810	5,464
Agricultural sciences.....	361	298	369	448	460	442	411	486	443	400	433	427	418	415
Biological sciences.....	425	497	609	1,065	1,249	971	1,321	1,287	1,385	1,242	1,292	1,398	1,470	1,677
Earth, atmospheric, and ocean sciences.....	112	124	115	187	228	170	213	220	182	219	223	201	224	233
Atmospheric sciences.....	20	26	23	41	44	35	42	42	47	49	45	57	51	52
Earth sciences.....	72	75	72	110	141	97	122	142	99	125	145	107	131	137
Oceanography.....	20	23	20	36	43	38	49	36	36	45	33	37	42	44
Mathematics/computer sciences.....	329	444	524	849	866	749	771	775	806	792	788	818	987	1,201
Computer sciences.....	89	143	178	340	348	365	330	330	363	358	348	378	459	599
Mathematics/statistics.....	240	301	346	509	518	384	441	445	443	434	440	440	528	602
Medical/other life sciences.....	99	98	133	172	215	246	273	286	306	317	324	329	365	388
Medical sciences.....	75	71	95	115	153	153	158	160	164	172	199	170	217	227
Other life sciences.....	24	27	38	57	62	93	115	126	142	145	125	159	148	161
Physical sciences.....	622	805	891	1,258	1,261	921	1,082	1,122	1,148	1,205	1,106	1,216	1,346	1,550
Astronomy.....	14	24	26	37	34	28	37	37	42	52	31	34	47	63
Chemistry.....	331	401	462	694	676	493	599	622	648	672	596	689	722	797
Physics.....	277	380	403	527	551	400	446	463	458	481	479	493	577	690
Social/behavioral sciences.....	788	790	959	1,230	1,277	1,227	1,154	1,157	1,243	1,298	1,200	1,412	1,398	1,574
Psychology.....	81	85	106	133	150	165	137	153	164	152	156	195	188	210
Social sciences.....	707	705	853	1,097	1,127	1,062	1,017	1,004	1,079	1,146	1,044	1,217	1,210	1,364
Anthropology.....	26	26	32	38	40	41	67	62	62	68	71	61	69	74
Area/ethnic studies.....	9	4	4	18	22	11	3	8	6	11	10	10	12	8
Economics.....	328	312	388	511	519	500	494	492	537	575	531	597	613	738
History of science.....	4	1	3	7	8	7	1	4	4	1	5	9	5	8
Linguistics.....	47	67	57	85	86	78	79	86	101	101	73	101	110	82
Political science/public administration.....	114	127	144	177	166	172	134	157	138	172	145	203	173	222
Sociology.....	73	69	105	119	133	116	114	77	95	80	68	88	110	95
Other social sciences.....	106	99	120	142	153	137	125	118	136	138	141	148	118	137
Non-S&E.....	1,088	1,064	1,132	1,521	1,617	1,578	1,411	1,533	1,696	1,540	1,716	1,878	2,101	2,032
Unknown citizenship														
All fields.....	1,341	2,138	2,609	722	1,119	859	2,261	1,733	1,765	2,051	2,572	2,022	2,496	2,618
S&E.....	849	1,391	1,803	452	774	572	1,449	1,196	1,283	1,327	1,516	1,240	1,466	1,652
Engineering.....	149	259	366	94	209	139	227	248	299	269	263	191	280	366
Aerospace.....	3	11	12	2	9	5	8	12	13	14	11	9	8	6
Chemical.....	11	17	30	9	22	9	15	21	36	33	43	15	44	70
Civil.....	14	37	28	7	17	10	18	19	15	25	30	16	27	30
Electrical.....	51	74	99	25	43	48	68	75	110	83	63	48	93	97
Industrial.....	6	6	12	3	6	4	9	4	5	7	15	6	6	18
Materials.....	11	19	31	8	17	12	23	15	26	22	25	14	20	29

**Earned doctoral degrees, by field, citizenship, and race/ethnicity: Selected years, 1985–2005**

Field, race/ethnicity, and citizenship	1985	1987	1989	1991	1993	1995	1997	1999	2000	2001	2002	2003	2004	2005
Mechanical .....	23	46	76	20	42	23	35	37	35	31	38	35	29	49
Other .....	30	49	78	20	53	28	51	65	59	54	38	48	53	67
Science.....	700	1,132	1,437	358	565	433	1,222	948	984	1,058	1,253	1,049	1,186	1,286
Natural sciences.....	361	609	777	194	342	258	711	534	594	609	769	619	660	826
Agricultural sciences.....	30	51	76	12	15	9	47	18	35	69	84	71	61	66
Biological sciences .....	110	200	207	60	91	76	211	171	200	203	285	236	273	295
Earth, atmospheric, and ocean sciences .....	23	49	54	10	30	13	36	32	38	30	33	31	24	38
Atmospheric sciences.....	1	8	4	7	5	2	5	5	10	6	4	4	4	6
Earth sciences.....	14	22	37	2	16	9	18	15	17	8	18	11	18	27
Oceanography.....	8	19	13	1	9	2	13	12	11	16	11	16	2	5
Mathematics/computer sciences .....	37	73	122	21	60	51	112	66	72	90	75	78	79	124
Computer sciences.....	8	31	37	9	22	16	59	33	39	43	39	42	42	64
Mathematics/statistics.....	29	42	85	12	38	35	53	33	33	47	36	36	37	60
Medical/other life sciences .....	45	56	84	30	43	40	120	72	91	93	136	81	89	106
Medical sciences.....	28	30	36	10	21	19	44	35	49	44	60	31	50	55
Other life sciences.....	17	26	48	20	22	21	76	37	42	49	76	50	39	51
Physical sciences .....	116	180	234	61	103	69	185	175	158	124	156	122	134	197
Astronomy.....	2	3	5	2	0	4	3	5	4	10	4	3	3	3
Chemistry.....	73	102	125	39	61	45	110	104	100	76	97	86	81	117
Physics.....	41	75	104	20	42	20	72	66	54	38	55	33	50	77
Social/behavioral sciences.....	339	523	660	164	223	175	511	414	390	449	484	430	526	460
Psychology .....	173	280	363	98	109	80	295	222	222	256	248	223	351	226
Social sciences.....	166	243	297	66	114	95	216	192	168	193	236	207	175	234
Anthropology .....	14	27	26	5	5	11	26	26	9	13	20	22	25	33
Area/ethnic studies.....	3	5	10	2	6	4	3	7	3	3	9	3	2	4
Economics.....	44	75	99	13	34	26	79	40	48	42	69	45	55	61
History of science.....	1	0	1	1	1	1	1	4	3	0	2	1	1	2
Linguistics.....	7	15	20	6	11	5	6	9	10	5	12	9	8	14
Political science/public administration .....	51	59	68	11	40	33	52	53	46	61	61	55	41	45
Sociology.....	21	34	27	9	7	10	26	36	27	26	20	37	22	35
Other social sciences.....	25	28	46	19	10	5	23	17	22	43	43	35	21	40
Non-S&E.....	492	747	806	270	345	287	812	537	482	724	1,056	782	1,030	966

NOTES: Medical/other life sciences reported separately from S&E fields in National Science Foundation, Division of Science Resources Statistics (NSF/SRS), higher education publications. For detailed fields, see NSF/SRS, Science and Engineering Doctorate Awards annual series, <http://www.nsf.gov/statistics/doctorates/>.

SOURCE: NSF/SRS, Survey of Earned Doctorates, Integrated Science and Engineering Resources Data System (WebCASPAR), <http://webcaspar.nsf.gov>.