

## Earned doctoral degrees, by field, citizenship, and race/ethnicity: Selected years, 1983–2003

Field, race/ethnicity, and citizenship	1983	1985	1987	1989	1991	1993	1995	1997	1999	2000	2001	2002	2003
All races/ethnicities and citizenships													
All fields .....	31,281	31,297	32,370	34,327	37,534	39,800	41,750	42,540	41,090	41,357	40,808	39,964	40,710
S&E.....	19,274	19,663	20,694	22,706	25,061	26,640	27,863	28,653	27,339	27,557	27,160	26,226	26,891
Engineering.....	2,781	3,166	3,712	4,543	5,214	5,698	6,008	6,115	5,330	5,321	5,502	5,071	5,265
Aerospace.....	106	124	142	178	207	228	252	273	206	214	203	208	199
Chemical.....	392	504	584	712	691	737	708	767	674	725	728	705	643
Civil.....	397	391	477	538	575	624	656	655	584	556	594	625	672
Electrical.....	625	716	779	1,137	1,405	1,543	1,731	1,720	1,478	1,544	1,576	1,392	1,463
Industrial.....	86	92	120	162	165	236	284	246	211	176	205	230	211
Materials.....	268	303	392	380	489	535	588	582	469	451	497	396	473
Mechanical.....	379	513	657	760	875	1,030	1,025	1,022	855	864	953	827	814
Other.....	528	523	561	676	807	765	764	850	853	791	746	688	790
Science.....	16,493	16,497	16,982	18,163	19,847	20,942	21,855	22,538	22,009	22,236	21,658	21,155	21,626
Natural sciences.....	9,820	10,163	10,645	11,631	13,042	13,753	14,548	14,871	14,277	14,462	14,138	13,954	14,212
Agricultural sciences.....	1,015	1,110	976	1,086	1,073	968	1,036	982	966	943	853	893	922
Biological sciences.....	3,741	3,793	3,839	4,116	4,649	5,092	5,375	5,789	5,582	5,854	5,690	5,687	5,694
Earth, atmospheric, and ocean sciences.....	624	599	602	723	815	771	780	878	805	758	749	785	783
Atmospheric sciences.....	97	80	87	87	108	99	130	149	124	143	116	117	139
Earth sciences.....	368	385	375	455	560	479	454	489	452	386	393	428	373
Oceanography.....	109	92	111	113	112	125	115	144	130	134	121	128	133
Other geosciences.....	50	42	29	68	35	68	81	96	99	95	119	112	138
Mathematics/computer sciences.....	987	998	1,190	1,471	1,838	2,026	2,187	2,032	1,938	1,909	1,833	1,725	1,860
Computer sciences.....	286	310	450	612	800	880	997	909	855	859	826	807	866
Mathematics/statistics.....	701	688	740	859	1,038	1,146	1,190	1,123	1,083	1,050	1,007	918	994
Medical/other life sciences.....	639	729	800	974	1,041	1,197	1,329	1,421	1,407	1,591	1,620	1,655	1,633
Medical sciences.....	294	367	375	430	456	518	555	545	607	664	647	678	658
Other life sciences.....	345	362	425	544	585	679	774	876	800	927	973	977	975
Physical sciences.....	2,814	2,934	3,238	3,261	3,626	3,699	3,841	3,769	3,579	3,407	3,393	3,209	3,320
Astronomy.....	115	100	100	113	125	145	173	198	159	185	186	144	167
Chemistry.....	1,758	1,836	1,975	1,970	2,194	2,137	2,162	2,148	2,132	1,989	1,980	1,923	2,037
Physics.....	928	980	1,137	1,161	1,286	1,399	1,479	1,401	1,271	1,204	1,197	1,124	1,080
Other physical sciences.....	13	18	26	17	21	18	27	22	17	29	30	18	36
Social/behavioral sciences.....	6,673	6,334	6,337	6,532	6,805	7,189	7,307	7,667	7,732	7,774	7,520	7,201	7,414
Psychology.....	3,347	3,117	3,173	3,208	3,250	3,420	3,429	3,557	3,668	3,618	3,442	3,198	3,275
Social sciences.....	3,326	3,217	3,164	3,324	3,555	3,769	3,878	4,110	4,064	4,156	4,078	4,003	4,139
Anthropology.....	403	377	383	351	374	380	410	469	489	482	450	521	505
Area/ethnic studies.....	119	106	92	93	116	137	121	94	109	127	146	122	106
Economics.....	971	959	960	1,062	1,053	1,067	1,152	1,163	1,075	1,086	1,081	1,023	1,051
History of science.....	13	23	25	20	27	37	41	35	50	42	40	46	46
Linguistics.....	164	176	199	188	227	214	201	244	251	230	230	195	224
Political science/public administration.....	655	666	647	700	740	824	894	975	1,016	987	984	938	1,026
Sociology.....	551	486	449	458	493	535	555	601	572	637	577	565	612
Other social sciences.....	450	424	409	452	525	575	504	529	502	565	570	593	569
Non-S&E.....	12,007	11,634	11,676	11,621	12,473	13,160	13,887	13,887	13,751	13,800	13,648	13,738	13,819

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Field, race/ethnicity, and citizenship	1983	1985	1987	1989	1991	1993	1995	1997	1999	2000	2001	2002	2003
U.S. citizen													
All fields .....	24,393	23,376	22,984	23,402	25,571	26,449	27,741	28,151	27,984	27,978	27,031	25,997	26,413
S&E.....	14,133	13,687	13,572	14,198	15,406	15,812	16,425	17,071	16,884	16,825	16,148	15,465	15,737
Engineering.....	1,164	1,279	1,558	1,864	2,086	2,228	2,386	2,739	2,485	2,221	2,140	1,892	1,898
Aerospace.....	40	53	64	74	103	114	140	155	103	117	94	81	70
Chemical.....	174	240	294	382	348	324	291	321	333	339	329	302	272
Civil.....	154	130	162	188	173	168	206	249	261	221	222	210	239
Electrical.....	259	270	320	440	554	630	683	753	639	532	465	424	403
Industrial.....	27	29	44	51	50	89	108	102	86	67	72	71	54
Materials.....	118	144	176	173	211	228	238	271	225	221	202	164	176
Mechanical.....	145	193	241	259	297	347	383	456	398	341	385	285	287
Other.....	247	220	257	297	350	328	337	432	440	383	371	355	397
Science.....	12,969	12,408	12,014	12,334	13,320	13,584	14,039	14,332	14,399	14,604	14,008	13,573	13,839
Natural sciences.....	7,507	7,434	7,264	7,686	8,218	8,262	8,577	8,724	8,544	8,742	8,517	8,311	8,534
Agricultural sciences.....	649	683	584	606	564	457	492	467	443	447	403	390	443
Biological sciences.....	3,215	3,150	2,981	3,118	3,313	3,449	3,494	3,670	3,660	3,904	3,899	3,796	3,782
Earth, atmospheric, and ocean sciences.....	475	435	410	518	592	463	478	537	475	475	430	458	474
Atmospheric sciences.....	72	54	51	55	56	42	64	83	61	76	55	61	66
Earth sciences.....	284	278	261	335	430	303	284	310	273	255	244	249	244
Oceanography.....	83	71	76	75	79	70	68	80	78	93	68	79	88
Other geosciences.....	36	32	22	53	27	48	62	64	63	51	63	69	76
Mathematics/computer sciences.....	592	566	588	731	850	921	1,038	960	959	906	836	766	854
Computer sciences.....	180	189	243	338	388	425	484	430	420	388	367	355	384
Mathematics/statistics.....	412	377	345	393	462	496	554	530	539	518	469	411	470
Medical/other life sciences.....	499	550	606	729	779	879	938	959	972	1,120	1,088	1,123	1,166
Medical sciences.....	200	236	249	278	286	310	324	308	374	411	387	380	430
Other life sciences.....	299	314	357	451	493	569	614	651	598	709	701	743	736
Physical sciences.....	2,077	2,050	2,095	1,984	2,120	2,093	2,137	2,131	2,035	1,890	1,861	1,778	1,815
Astronomy.....	101	82	72	78	84	106	120	151	111	127	119	104	125
Chemistry.....	1,357	1,345	1,381	1,298	1,351	1,272	1,238	1,234	1,256	1,119	1,127	1,136	1,169
Physics.....	609	616	627	597	671	704	764	731	657	625	602	527	500
Other physical sciences.....	10	7	15	11	14	11	15	15	11	19	13	11	21
Social/behavioral sciences.....	5,462	4,974	4,750	4,648	5,102	5,322	5,462	5,608	5,855	5,862	5,491	5,262	5,305
Psychology.....	3,048	2,804	2,747	2,684	2,953	3,071	3,083	3,036	3,222	3,156	2,958	2,723	2,776
Social sciences.....	2,414	2,170	2,003	1,964	2,149	2,251	2,379	2,572	2,633	2,706	2,533	2,539	2,529
Anthropology.....	352	322	311	278	315	311	330	356	375	387	348	406	407
Area/ethnic studies.....	109	90	81	77	92	105	96	86	91	116	129	97	89
Economics.....	584	522	488	509	451	435	492	487	463	444	399	370	347
History of science.....	12	17	23	16	18	28	31	32	40	32	36	39	35
Linguistics.....	105	107	107	88	116	91	98	126	136	105	107	91	95
Political science/public administration.....	507	473	422	439	502	563	636	730	755	763	711	704	730
Sociology.....	433	375	317	300	324	359	378	415	429	478	448	454	466
Other social sciences.....	312	264	254	257	331	359	318	340	344	381	355	378	360
Non-S&E.....	10,260	9,689	9,412	9,204	10,165	10,637	11,316	11,080	11,100	11,153	10,883	10,532	10,676

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Field, race/ethnicity, and citizenship	1983	1985	1987	1989	1991	1993	1995	1997	1999	2000	2001	2002	2003
White													
All fields .....	21,732	20,771	20,464	20,892	22,419	23,245	23,890	23,181	23,092	22,968	21,930	20,755	20,818
S&E.....	12,772	12,321	12,147	12,724	13,526	13,986	14,166	14,106	14,009	13,862	13,150	12,431	12,510
Engineering.....	1,017	1,098	1,331	1,583	1,707	1,891	1,958	2,151	1,989	1,764	1,644	1,394	1,453
Aerospace.....	35	48	55	66	89	99	116	133	92	103	75	69	56
Chemical.....	149	199	252	328	300	282	242	269	279	268	259	214	203
Civil.....	131	115	140	163	143	147	175	206	219	181	176	170	203
Electrical.....	232	232	256	360	430	507	540	529	472	397	337	280	263
Industrial.....	25	28	39	41	42	67	85	78	74	56	48	53	43
Materials.....	104	127	151	147	179	198	189	226	177	180	158	121	143
Mechanical.....	128	160	203	218	244	303	320	361	322	262	291	212	228
Other.....	213	189	235	260	280	288	291	349	354	317	300	275	314
Science.....	11,755	11,223	10,816	11,141	11,819	12,095	12,208	11,955	12,020	12,098	11,506	11,037	11,057
Natural sciences.....	6,878	6,784	6,566	6,975	7,357	7,373	7,504	7,339	7,190	7,308	7,037	6,824	6,873
Agricultural sciences.....	601	646	541	560	527	426	456	397	385	396	361	347	388
Biological sciences.....	2,965	2,872	2,696	2,832	2,964	3,054	3,020	3,069	3,017	3,196	3,139	3,026	2,970
Earth, atmospheric, and ocean sciences ...	435	409	381	484	546	440	452	476	412	417	385	412	415
Atmospheric sciences.....	64	50	42	52	53	40	62	76	56	70	49	57	62
Earth sciences.....	261	262	247	313	397	286	270	279	233	227	218	228	217
Oceanography.....	76	68	70	68	72	68	65	67	66	83	63	68	73
Other geosciences.....	34	29	22	51	24	46	55	54	57	37	55	59	63
Mathematics/computer sciences.....	536	507	510	647	732	823	923	790	810	747	696	618	670
Computer sciences.....	161	170	215	296	330	378	416	341	336	310	300	266	291
Mathematics/statistics.....	375	337	295	351	402	445	507	449	474	437	396	352	379
Medical/other life sciences.....	448	494	536	675	691	782	806	813	816	941	899	944	935
Medical sciences.....	179	207	216	250	247	275	266	244	300	325	294	289	322
Other life sciences.....	269	287	320	425	444	507	540	569	516	616	605	655	613
Physical sciences.....	1,893	1,856	1,902	1,777	1,897	1,848	1,847	1,794	1,750	1,611	1,557	1,477	1,495
Astronomy.....	94	76	68	73	81	97	109	129	104	111	99	86	99
Chemistry.....	1,252	1,219	1,243	1,167	1,201	1,119	1,065	1,040	1,054	952	936	952	972
Physics.....	538	555	577	526	602	623	660	611	582	531	509	428	407
Other physical sciences.....	9	6	14	11	13	9	13	14	10	17	13	11	17
Social/behavioral sciences.....	4,877	4,439	4,250	4,166	4,462	4,722	4,704	4,616	4,830	4,790	4,469	4,213	4,184
Psychology.....	2,745	2,552	2,476	2,423	2,615	2,747	2,674	2,481	2,667	2,570	2,416	2,188	2,215
Social sciences.....	2,132	1,887	1,774	1,743	1,847	1,975	2,030	2,135	2,163	2,220	2,053	2,025	1,969
Anthropology.....	325	273	269	249	289	286	284	290	319	328	283	322	304
Area/ethnic studies.....	92	82	74	64	75	90	77	69	68	91	97	71	60
Economics.....	536	469	439	461	393	390	426	402	393	375	337	305	289
History of science.....	12	16	21	15	16	23	30	25	35	30	30	37	31
Linguistics.....	88	90	94	82	102	76	87	107	114	93	89	78	79
Political science/public administration....	429	397	369	394	427	492	546	630	624	620	569	562	576
Sociology.....	383	326	281	245	268	303	319	332	334	368	343	343	338
Other social sciences.....	267	234	227	233	277	315	261	280	276	315	305	307	292
Non-S&E.....	8,960	8,450	8,317	8,168	8,893	9,259	9,724	9,075	9,083	9,106	8,780	8,324	8,308

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Field, race/ethnicity, and citizenship	1983	1985	1987	1989	1991	1993	1995	1997	1999	2000	2001	2002	2003
<b>Asian/Pacific Islander</b>													
All fields .....	492	516	541	626	787	876	1,129	1,296	1,304	1,363	1,440	1,439	1,417
S&E.....	361	388	465	500	620	718	906	1,042	1,033	1,046	1,139	1,137	1,104
Engineering.....	66	90	135	173	187	216	254	290	263	240	262	250	206
Aerospace.....	1	3	6	5	9	9	14	8	9	5	10	6	7
Chemical.....	12	22	24	40	27	26	27	17	32	43	37	49	37
Civil.....	11	5	14	14	11	10	15	13	20	18	15	14	10
Electrical.....	13	15	41	48	67	85	92	128	92	79	79	81	76
Industrial.....	0	0	2	8	3	10	10	11	2	5	12	4	4
Materials.....	7	11	15	18	21	18	33	25	27	23	24	24	15
Mechanical.....	9	21	25	25	26	34	37	50	42	39	49	32	26
Other.....	13	13	8	15	23	24	26	38	39	28	36	40	31
Science.....	295	298	330	327	433	502	652	752	770	806	877	887	898
Natural sciences.....	224	228	246	255	338	389	477	555	564	582	653	667	675
Agricultural sciences.....	15	8	17	7	9	9	10	16	21	13	7	9	7
Biological sciences.....	101	106	106	120	159	186	225	255	288	318	369	392	389
Earth, atmospheric, and ocean sciences ...	8	8	9	11	7	6	8	16	15	9	15	11	10
Atmospheric sciences.....	3	2	4	0	0	0	1	3	1	0	2	1	0
Earth sciences.....	3	4	5	9	4	4	4	5	10	5	11	4	6
Oceanography.....	1	1	0	1	1	2	2	2	3	2	0	1	2
Other geosciences.....	1	1	0	1	2	0	1	6	1	2	2	5	2
Mathematics/computer sciences.....	19	16	28	31	55	55	66	75	72	85	64	70	83
Computer sciences.....	6	2	10	18	32	27	42	42	43	41	34	50	45
Mathematics/statistics.....	13	14	18	13	23	28	24	33	29	44	30	20	38
Medical/other life sciences.....	15	14	19	11	23	17	22	42	45	55	73	59	74
Medical sciences.....	7	9	13	7	9	11	14	23	27	33	45	41	45
Other life sciences.....	8	5	6	4	14	6	8	19	18	22	28	18	29
Physical sciences.....	66	76	67	75	85	116	146	151	123	102	125	126	112
Astronomy.....	0	1	1	0	0	2	4	6	2	8	6	10	8
Chemistry.....	39	57	49	42	62	74	90	82	88	49	73	78	65
Physics.....	27	18	17	33	23	40	52	63	33	44	46	38	38
Other physical sciences.....	0	0	0	0	0	0	0	0	0	1	0	0	1
Social/behavioral sciences.....	71	70	84	72	95	113	175	197	206	224	224	220	223
Psychology.....	35	34	38	38	46	52	83	101	110	121	108	113	110
Social sciences.....	36	36	46	34	49	61	92	96	96	103	116	107	113
Anthropology.....	1	7	8	3	2	3	9	8	9	9	14	10	16
Area/ethnic studies.....	1	1	1	1	3	4	2	2	3	5	4	2	5
Economics.....	12	8	18	15	21	18	32	34	20	27	29	28	27
History of science.....	0	0	0	0	0	1	0	1	2	0	1	0	0
Linguistics.....	5	7	3	0	2	5	4	8	5	3	5	5	4
Political science/public administration....	5	7	4	6	11	12	22	23	24	24	24	28	23
Sociology.....	7	2	8	7	6	10	15	8	19	19	24	21	16
Other social sciences.....	5	4	4	2	4	8	8	12	14	16	15	13	22
Non-S&E.....	131	128	76	126	167	158	223	254	271	317	301	302	313

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<b>Black</b>													
All fields .....	925	911	768	822	1,009	1,109	1,293	1,335	1,629	1,629	1,614	1,662	1,708
S&E.....	312	310	270	322	402	427	516	581	688	713	691	701	687
Engineering.....	19	19	12	24	43	41	53	83	85	74	82	76	69
Aerospace.....	1	1	1	1	1	3	1	3	1	4	0	2	1
Chemical.....	2	4	4	2	4	4	2	12	9	8	16	10	8
Civil.....	4	2	1	2	8	3	7	9	5	5	7	10	6
Electrical.....	2	6	0	8	16	13	20	27	26	19	20	15	19
Industrial.....	1	1	0	2	1	9	7	7	7	4	6	4	2
Materials.....	4	1	2	0	1	3	5	3	5	4	5	5	3
Mechanical.....	4	1	2	5	3	2	7	10	10	17	17	16	9
Other.....	1	3	2	4	9	4	4	12	22	13	11	14	21
Science.....	293	291	258	298	359	386	463	498	603	639	609	625	618
Natural sciences.....	90	96	106	111	133	162	205	225	267	271	274	286	283
Agricultural sciences.....	12	5	7	6	6	5	9	14	16	8	9	8	12
Biological sciences.....	37	44	45	46	51	64	90	101	109	110	124	114	100
Earth, atmospheric, and ocean sciences ...	1	2	1	3	2	2	2	4	11	7	5	5	15
Atmospheric sciences.....	1	1	1	0	0	0	0	0	1	1	0	1	1
Earth sciences.....	0	0	0	1	1	2	0	2	4	1	2	2	4
Oceanography.....	0	0	0	1	1	0	0	1	3	1	3	1	4
Other geosciences.....	0	1	0	1	0	0	2	1	3	4	0	1	6
Mathematics/computer sciences.....	6	5	12	7	14	10	13	10	26	27	30	30	31
Computer sciences.....	3	2	2	1	5	5	9	4	16	13	13	17	17
Mathematics/statistics.....	3	3	10	6	9	5	4	6	10	14	17	13	14
Medical/other life sciences.....	15	17	25	24	35	52	55	51	51	67	60	67	75
Medical sciences.....	4	7	9	9	16	18	23	16	17	29	27	26	27
Other life sciences.....	11	10	16	15	19	34	32	35	34	38	33	41	48
Physical sciences.....	19	23	16	25	25	29	36	45	54	52	46	62	50
Astronomy.....	0	0	2	0	0	2	1	2	2	1	1	1	1
Chemistry.....	11	19	11	20	19	19	27	31	46	36	36	41	35
Physics.....	8	4	3	5	6	7	8	12	6	15	9	20	12
Other physical sciences.....	0	0	0	0	0	1	0	0	0	0	0	0	2
Social/behavioral sciences.....	203	195	152	187	226	224	258	273	336	368	335	339	335
Psychology.....	110	100	88	96	125	116	143	142	168	184	169	163	162
Social sciences.....	93	95	64	91	101	108	115	131	168	184	166	176	173
Anthropology.....	7	9	7	7	6	8	5	11	12	19	10	21	21
Area/ethnic studies.....	8	2	5	6	8	7	9	9	12	11	17	11	10
Economics.....	13	9	8	8	11	15	14	14	22	14	8	13	9
History of science.....	0	0	2	0	0	1	0	3	1	1	1	0	0
Linguistics.....	4	2	2	3	3	5	1	2	3	1	4	1	0
Political science/public administration....	28	34	21	26	29	32	39	31	52	58	65	61	67
Sociology.....	22	24	10	26	20	23	25	37	40	52	40	44	46
Other social sciences.....	11	15	9	15	24	17	22	24	26	28	21	25	20
Non-S&E.....	613	601	498	500	607	682	777	754	941	916	923	961	1,021

## Earned doctoral degrees, by field, citizenship, and race/ethnicity: Selected years, 1983–2003

Field, race/ethnicity, and citizenship	1983	1985	1987	1989	1991	1993	1995	1997	1999	2000	2001	2002	2003
Hispanic													
All fields .....	542	561	617	582	732	833	922	1,063	1,184	1,180	1,127	1,237	1,270
S&E.....	247	263	319	323	423	463	517	603	685	531	608	544	692
Engineering.....	18	16	24	33	49	56	61	82	71	69	73	87	90
Aerospace.....	0	0	1	1	0	3	7	4	0	3	5	2	4
Chemical.....	4	2	7	5	10	10	12	6	5	13	5	16	14
Civil.....	5	6	1	4	5	7	7	10	11	8	8	7	11
Electrical.....	3	1	4	10	12	16	14	23	28	19	15	28	21
Industrial.....	0	0	1	0	3	3	4	4	2	0	2	5	2
Materials.....	1	0	2	1	5	6	5	10	7	7	8	7	9
Mechanical.....	0	3	4	3	8	3	5	13	8	10	17	10	12
Other.....	5	4	4	9	6	8	7	12	10	9	13	12	17
Science.....	229	247	295	290	374	407	456	521	614	462	535	457	602
Natural sciences.....	85	114	139	150	181	213	229	280	303	318	280	301	307
Agricultural sciences.....	2	10	12	12	7	14	10	14	10	17	15	17	16
Biological sciences.....	39	49	52	58	79	93	104	131	155	154	149	161	157
Earth, atmospheric, and ocean sciences ...	9	4	3	6	12	8	7	16	19	18	11	14	13
Atmospheric sciences.....	1	0	1	1	0	2	0	1	3	2	0	1	0
Earth sciences.....	3	3	1	4	10	5	4	10	10	8	5	4	3
Oceanography.....	4	0	1	1	1	0	1	4	5	5	0	6	7
Other geosciences.....	1	1	0	0	1	1	2	1	1	3	6	3	3
Mathematics/computer sciences.....	4	12	13	12	17	14	18	32	24	24	20	24	22
Computer sciences.....	0	5	4	4	11	5	6	15	12	11	6	13	8
Mathematics/statistics.....	4	7	9	8	6	9	12	17	12	13	14	11	14
Medical/other life sciences.....	6	13	11	10	12	19	29	29	39	33	24	29	38
Medical sciences.....	4	5	5	6	3	3	12	14	22	18	12	13	18
Other life sciences.....	2	8	6	4	9	16	17	15	17	15	12	16	20
Physical sciences.....	25	26	48	52	54	65	61	58	56	72	61	56	61
Astronomy.....	0	0	0	1	1	1	3	3	1	1	7	3	3
Chemistry.....	20	14	40	40	39	43	38	36	41	49	39	35	38
Physics.....	5	12	8	11	14	21	20	19	14	21	15	18	20
Other physical sciences.....	0	0	0	0	0	0	0	0	0	1	0	0	0
Social/behavioral sciences.....	144	133	156	140	193	194	227	241	311	144	255	156	295
Psychology.....	85	64	92	87	113	120	138	161	205	203	160	180	161
Social sciences.....	59	69	64	53	80	74	89	80	106	93	95	114	134
Anthropology.....	7	14	14	8	10	11	19	16	10	10	17	22	32
Area/ethnic studies.....	1	2	0	3	4	2	2	1	3	5	4	5	7
Economics.....	8	14	11	12	10	10	12	18	18	16	11	13	12
History of science.....	0	0	0	1	0	3	1	0	0	1	2	1	1
Linguistics.....	3	3	5	2	6	2	5	5	11	5	2	4	5
Political science/public administration....	18	13	16	7	18	19	21	14	27	25	19	33	29
Sociology.....	10	16	9	17	21	16	13	17	24	24	33	21	39
Other social sciences.....	12	7	9	3	11	11	16	9	13	7	7	15	9
Non-S&E.....	295	298	298	259	309	370	405	460	499	649	519	693	578

## Earned doctoral degrees, by field, citizenship, and race/ethnicity: Selected years, 1983–2003

Field, race/ethnicity, and citizenship	1983	1985	1987	1989	1991	1993	1995	1997	1999	2000	2001	2002	2003
American Indian/Alaska Native													
All fields .....	81	96	115	94	130	120	148	167	214	169	149	147	133
S&E.....	32	43	56	56	61	49	77	85	120	92	78	70	73
Engineering.....	0	1	7	7	6	2	9	17	12	8	7	7	10
Chemical .....	0	0	1	1	1	1	2	4	2	1	1	2	1
Civil .....	0	0	1	1	1	0	0	2	2	1	0	0	1
Electrical.....	0	1	3	0	2	0	1	5	1	0	1	0	5
Industrial .....	0	0	0	0	0	0	1	0	0	0	1	1	0
Materials .....	0	0	0	4	1	0	0	0	2	0	1	1	0
Mechanical.....	0	0	1	0	1	0	2	6	2	3	1	1	0
Other .....	0	0	1	1	0	1	3	0	3	3	2	2	3
Science.....	32	42	49	49	55	47	68	68	108	84	71	63	63
Natural sciences.....	17	23	26	30	33	25	36	32	44	42	34	28	25
Agricultural sciences.....	1	4	2	2	4	1	2	5	1	4	0	2	4
Biological sciences.....	4	13	11	7	10	7	15	7	20	17	15	12	11
Earth, atmospheric, and ocean sciences ...	2	1	0	6	3	4	0	2	6	5	0	0	2
Atmospheric sciences.....	0	0	0	1	0	0	0	0	0	0	0	0	0
Earth sciences.....	1	1	0	3	2	3	0	0	6	4	0	0	1
Oceanography .....	1	0	0	2	1	0	0	2	0	0	0	0	1
Other geosciences.....	0	0	0	0	0	1	0	0	0	1	0	0	0
Mathematics/computer sciences .....	1	0	3	2	1	2	2	2	2	3	1	4	4
Computer sciences.....	1	0	3	2	1	1	0	1	1	1	0	1	2
Mathematics/statistics .....	0	0	0	0	0	1	2	1	1	2	1	3	2
Medical/other life sciences .....	3	2	3	3	5	6	9	6	6	4	6	3	2
Medical sciences.....	0	2	1	2	3	1	1	2	0	2	2	1	1
Other life sciences.....	3	0	2	1	2	5	8	4	6	2	4	2	1
Physical sciences .....	6	3	7	10	10	5	8	10	9	9	12	7	2
Astronomy .....	1	0	0	2	0	1	0	1	1	1	1	0	0
Chemistry.....	3	2	6	5	9	2	6	6	5	7	11	5	2
Physics.....	2	1	1	3	1	2	2	2	3	1	0	2	0
Other physical sciences.....	0	0	0	0	0	0	0	1	0	0	0	0	0
Social/behavioral sciences.....	15	19	23	19	22	22	32	36	64	42	37	35	38
Psychology .....	9	10	16	11	13	15	14	18	35	22	17	15	22
Social sciences.....	6	9	7	8	9	7	18	18	29	20	20	20	16
Anthropology .....	2	3	1	1	1	3	5	3	8	5	8	6	2
Area/ethnic studies.....	2	0	1	1	0	1	1	4	3	1	2	2	2
Economics.....	0	2	0	1	1	0	2	1	1	1	2	0	1
Linguistics.....	1	1	0	0	0	1	0	1	1	0	0	0	1
Political science/public administration....	1	1	2	2	3	0	2	4	7	4	5	3	7
Sociology .....	0	1	2	1	2	0	1	4	4	6	2	7	0
Other social sciences.....	0	1	1	2	2	2	7	1	5	3	1	2	3
Non-S&E.....	49	53	59	38	69	71	71	82	94	77	71	77	60

**Earned doctoral degrees, by field, citizenship, and race/ethnicity: Selected years, 1983–2003**

Field, race/ethnicity, and citizenship	1983	1985	1987	1989	1991	1993	1995	1997	1999	2000	2001	2002	2003
Other/unknown race/ethnicity													
All fields .....	621	521	479	386	494	266	359	1,109	561	669	771	757	1,067
S&E.....	409	362	315	273	374	169	243	654	349	429	482	444	671
Engineering.....	44	55	49	44	94	22	51	116	65	66	72	78	70
Aerospace.....	3	1	1	1	4	0	2	7	1	2	4	2	2
Chemical .....	7	13	6	6	6	1	6	13	6	6	11	11	9
Civil .....	3	2	5	4	5	1	2	9	4	8	16	9	8
Electrical.....	9	15	16	14	27	9	16	41	20	18	13	20	19
Industrial .....	1	0	2	0	1	0	1	2	1	2	3	4	3
Materials .....	2	5	6	3	4	3	6	7	7	7	6	6	6
Mechanical .....	4	8	6	8	15	5	12	16	14	10	10	14	12
Other .....	15	11	7	8	32	3	6	21	12	13	9	12	11
Science.....	365	307	266	229	280	147	192	538	284	363	410	366	601
Natural sciences .....	213	189	181	165	176	100	126	293	176	221	239	205	371
Agricultural sciences.....	18	10	5	19	11	2	5	21	10	9	11	7	16
Biological sciences .....	69	66	71	55	50	45	40	107	71	109	103	91	155
Earth, atmospheric, and ocean sciences ...	20	11	16	8	22	3	9	23	12	19	14	16	19
Atmospheric sciences.....	3	1	3	1	3	0	1	3	0	3	4	1	3
Earth sciences.....	16	8	8	5	16	3	6	14	10	10	8	11	13
Oceanography .....	1	2	5	2	3	0	0	4	1	2	2	3	1
Other geosciences.....	0	0	0	0	0	0	2	2	1	4	0	1	2
Mathematics/computer sciences .....	26	26	22	32	31	17	16	51	25	20	25	20	44
Computer sciences.....	9	10	9	17	9	9	11	27	12	12	14	8	21
Mathematics/statistics .....	17	16	13	15	22	8	5	24	13	8	11	12	23
Medical/other life sciences .....	12	10	12	6	13	3	17	18	15	20	26	21	42
Medical sciences.....	6	6	5	4	8	2	8	9	8	4	7	10	17
Other life sciences.....	6	4	7	2	5	1	9	9	7	16	19	11	25
Physical sciences .....	68	66	55	45	49	30	39	73	43	44	60	50	95
Astronomy .....	6	5	1	2	2	3	3	10	1	5	5	4	14
Chemistry.....	32	34	32	24	21	15	12	39	22	26	32	25	57
Physics.....	29	26	21	19	25	11	22	24	19	13	23	21	23
Other physical sciences.....	1	1	1	0	1	1	2	0	1	0	0	0	1
Social/behavioral sciences.....	152	118	85	64	104	47	66	245	108	142	171	161	230
Psychology .....	64	44	37	29	41	21	31	133	37	56	88	64	106
Social sciences.....	88	74	48	35	63	26	35	112	71	86	83	97	124
Anthropology .....	10	16	12	10	7	0	8	28	17	16	16	25	32
Area/ethnic studies.....	5	3	0	2	2	1	5	1	2	3	5	6	5
Economics.....	15	20	12	12	15	2	6	18	9	11	12	11	9
History of science.....	0	1	0	0	2	0	0	3	2	0	2	1	3
Linguistics.....	4	4	3	1	3	2	1	3	2	3	7	3	6
Political science/public administration....	26	21	10	4	14	8	6	28	21	32	29	17	28
Sociology .....	11	6	7	4	7	7	5	17	8	9	6	18	27
Other social sciences.....	17	3	4	2	13	6	4	14	10	12	6	16	14
Non-S&E.....	212	159	164	113	120	97	116	455	212	240	289	313	396



**Earned doctoral degrees, by field, citizenship, and race/ethnicity: Selected years, 1983–2003**

Field, race/ethnicity, and citizenship	1983	1985	1987	1989	1991	1993	1995	1997	1999	2000	2001	2002	2003
U.S. permanent resident													
All fields .....	1,274	1,324	1,578	1,626	1,857	2,259	4,317	2,931	2,308	1,950	1,838	1,649	1,631
S&E.....	934	966	1,129	1,151	1,345	1,701	3,614	2,350	1,730	1,484	1,347	1,234	1,157
Engineering.....	319	315	355	365	388	469	956	593	403	350	299	271	265
Aerospace.....	13	17	8	8	11	6	13	13	9	10	8	10	10
Chemical.....	41	52	56	62	51	53	90	88	38	43	29	34	20
Civil.....	33	40	41	59	40	59	103	78	51	40	47	37	30
Electrical.....	90	83	73	99	132	165	288	187	127	116	95	83	91
Industrial.....	18	9	13	8	18	16	41	17	13	10	15	10	16
Materials.....	28	21	38	21	29	39	114	44	35	23	23	10	24
Mechanical.....	47	58	67	66	62	87	180	82	65	55	42	57	45
Other.....	49	35	59	42	45	44	127	84	65	53	40	30	29
Science.....	615	651	774	786	957	1,232	2,658	1,757	1,327	1,134	1,048	963	892
Natural sciences.....	404	419	503	523	651	868	2,215	1,363	1,023	856	773	706	649
Agricultural sciences.....	36	43	48	45	56	49	106	83	51	55	28	31	34
Biological sciences.....	114	108	160	182	211	303	835	586	464	364	344	315	265
Earth, atmospheric, and ocean sciences.....	30	30	25	29	26	41	116	70	51	35	37	36	38
Atmospheric sciences.....	6	5	2	5	4	8	29	19	16	10	6	7	12
Earth sciences.....	13	21	17	11	18	19	64	39	22	15	15	17	12
Oceanography.....	6	1	4	9	3	8	17	7	9	4	7	11	7
Other geosciences.....	5	3	2	4	1	6	6	5	4	6	9	1	7
Mathematics/computer sciences.....	73	66	83	93	118	178	349	189	138	125	111	95	102
Computer sciences.....	27	24	32	58	63	84	132	90	72	69	56	64	56
Mathematics/statistics.....	46	42	51	35	55	94	217	99	66	56	55	31	46
Medical/other life sciences.....	31	35	40	27	60	60	105	69	77	75	69	68	59
Medical sciences.....	22	28	25	20	45	34	59	35	38	40	43	39	26
Other life sciences.....	9	7	15	7	15	26	46	34	39	35	26	29	33
Physical sciences.....	120	137	147	147	180	237	704	366	242	202	184	161	151
Astronomy.....	2	2	1	4	2	5	21	7	6	12	4	5	5
Chemistry.....	69	87	91	85	110	128	386	205	150	122	103	93	93
Physics.....	49	46	55	57	68	102	295	152	85	67	75	62	52
Other physical sciences.....	0	2	0	1	0	2	2	2	1	1	2	1	1
Social/behavioral sciences.....	211	232	271	263	306	364	443	394	304	278	275	257	243
Psychology.....	64	59	59	54	65	90	101	89	70	75	75	71	70
Social sciences.....	147	173	212	209	241	274	342	305	234	203	200	186	173
Anthropology.....	10	15	19	14	16	23	28	20	26	24	21	24	15
Area/ethnic studies.....	1	4	2	2	4	4	10	2	3	2	3	6	4
Economics.....	68	64	85	66	77	77	134	103	80	58	61	55	59
History of science.....	0	1	0	0	1	0	2	1	2	3	3	0	1
Linguistics.....	6	15	10	23	19	26	20	33	20	14	16	18	19
Political science/public administration.....	25	28	39	49	50	55	53	59	50	39	40	28	30
Sociology.....	17	17	29	26	41	36	51	46	30	37	23	22	21
Other social sciences.....	20	29	28	29	33	53	44	41	23	26	33	33	24
Non-S&E.....	340	358	449	475	512	558	703	581	578	466	491	415	474

## Earned doctoral degrees, by field, citizenship, and race/ethnicity: Selected years, 1983–2003

Field, race/ethnicity, and citizenship	1983	1985	1987	1989	1991	1993	1995	1997	1999	2000	2001	2002	2003
Temporary resident													
All fields .....	4,540	5,253	5,668	6,686	9,381	9,973	8,830	9,193	9,057	9,663	9,827	9,723	10,585
S&E.....	3,530	4,160	4,601	5,553	7,858	8,353	7,252	7,782	7,524	7,966	8,279	8,010	8,714
Engineering.....	1,180	1,422	1,540	1,948	2,646	2,792	2,527	2,555	2,192	2,452	2,787	2,647	2,909
Aerospace.....	50	51	59	84	91	99	94	97	82	74	87	106	111
Chemical.....	161	201	217	238	283	338	318	343	282	307	335	326	337
Civil.....	197	207	237	263	355	380	337	310	253	280	299	348	386
Electrical.....	250	311	312	499	694	705	712	712	637	785	933	823	920
Industrial.....	38	48	57	91	94	125	131	118	108	94	109	134	137
Materials.....	107	127	159	155	241	251	224	244	194	181	249	196	259
Mechanical.....	174	239	303	359	496	554	439	449	354	433	494	447	447
Other.....	203	238	196	259	392	340	272	282	282	298	281	267	312
Science.....	2,350	2,738	3,061	3,605	5,212	5,561	4,725	5,227	5,332	5,514	5,492	5,363	5,805
Natural sciences.....	1,651	1,949	2,269	2,644	3,979	4,281	3,498	4,073	4,175	4,271	4,188	4,166	4,390
Agricultural sciences.....	311	355	295	362	443	449	429	392	459	415	359	401	392
Biological sciences.....	325	425	498	609	1,065	1,249	970	1,322	1,287	1,385	1,242	1,291	1,401
Earth, atmospheric, and ocean sciences.....	103	115	124	122	186	236	173	231	242	203	252	250	228
Atmospheric sciences.....	17	20	26	23	41	44	35	42	42	47	49	45	57
Earth sciences.....	57	72	75	72	110	141	97	122	142	99	125	145	107
Oceanography.....	20	17	20	19	30	39	28	47	31	28	36	28	29
Other geosciences.....	9	6	3	8	5	12	13	20	27	29	42	32	35
Mathematics/computer sciences.....	282	329	446	524	849	867	749	771	774	806	796	789	819
Computer sciences.....	73	89	144	178	340	349	365	330	330	363	360	349	379
Mathematics/statistics.....	209	240	302	346	509	518	384	441	444	443	436	440	440
Medical/other life sciences.....	87	99	98	134	172	215	246	273	286	306	320	322	326
Medical sciences.....	65	75	71	96	115	153	153	158	160	164	173	198	169
Other life sciences.....	22	24	27	38	57	62	93	115	126	142	147	124	157
Physical sciences.....	543	626	808	893	1,264	1,265	931	1,084	1,127	1,156	1,219	1,113	1,224
Astronomy.....	12	14	24	26	37	34	28	37	37	42	53	31	34
Chemistry.....	283	331	401	462	694	676	493	599	622	648	675	596	689
Physics.....	245	277	380	403	527	551	400	446	463	458	482	481	494
Other physical sciences.....	3	4	3	2	6	4	10	2	5	8	9	5	7
Social/behavioral sciences.....	699	789	792	961	1,233	1,280	1,227	1,154	1,157	1,243	1,304	1,197	1,415
Psychology.....	81	81	86	107	134	150	165	137	153	164	153	156	197
Social sciences.....	618	708	706	854	1,099	1,130	1,062	1,017	1,004	1,079	1,151	1,041	1,218
Anthropology.....	28	26	26	33	38	41	41	67	62	62	68	71	61
Area/ethnic studies.....	1	9	4	4	18	22	11	3	8	6	11	10	10
Economics.....	278	329	312	388	512	521	500	494	492	537	579	528	599
History of science.....	0	4	2	3	7	8	7	1	4	4	1	5	9
Linguistics.....	45	47	67	57	86	86	78	79	86	101	102	74	100
Political science/public administration.....	95	114	127	144	177	166	172	134	157	138	172	144	205
Sociology.....	76	73	69	105	119	133	116	114	77	95	80	69	88
Other social sciences.....	95	106	99	120	142	153	137	125	118	136	138	140	146
Non-S&E.....	1,010	1,093	1,067	1,133	1,523	1,620	1,578	1,411	1,533	1,697	1,548	1,713	1,871

**Earned doctoral degrees, by field, citizenship, and race/ethnicity: Selected years, 1983–2003**

Field, race/ethnicity, and citizenship	1983	1985	1987	1989	1991	1993	1995	1997	1999	2000	2001	2002	2003
Unknown citizenship													
All fields .....	1,074	1,344	2,140	2,613	725	1,119	862	2,265	1,741	1,766	2,112	2,595	2,081
S&E.....	677	850	1,392	1,804	452	774	572	1,450	1,201	1,282	1,386	1,517	1,283
Engineering.....	118	150	259	366	94	209	139	228	250	298	276	261	193
Aerospace.....	3	3	11	12	2	9	5	8	12	13	14	11	8
Chemical .....	16	11	17	30	9	22	9	15	21	36	35	43	14
Civil .....	13	14	37	28	7	17	10	18	19	15	26	30	17
Electrical.....	26	52	74	99	25	43	48	68	75	111	83	62	49
Industrial.....	3	6	6	12	3	6	4	9	4	5	9	15	4
Materials .....	15	11	19	31	8	17	12	23	15	26	23	26	14
Mechanical.....	13	23	46	76	20	42	23	35	38	35	32	38	35
Other .....	29	30	49	78	20	53	28	52	66	57	54	36	52
Science.....	559	700	1,133	1,438	358	565	433	1,222	951	984	1,110	1,256	1,090
Natural sciences.....	258	361	609	778	194	342	258	711	535	593	660	771	639
Agricultural sciences.....	19	29	49	73	10	13	9	40	13	26	63	71	53
Biological sciences .....	87	110	200	207	60	91	76	211	171	201	205	285	246
Earth, atmospheric, and ocean sciences .....	16	19	43	54	11	31	13	40	37	45	30	41	43
Atmospheric sciences.....	2	1	8	4	7	5	2	5	5	10	6	4	4
Earth sciences.....	14	14	22	37	2	16	9	18	15	17	9	17	10
Oceanography .....	0	3	11	10	0	8	2	10	12	9	10	10	9
Other geosciences.....	0	1	2	3	2	2	0	7	5	9	5	10	20
Mathematics/computer sciences .....	40	37	73	123	21	60	51	112	67	72	90	75	85
Computer sciences.....	6	8	31	38	9	22	16	59	33	39	43	39	47
Mathematics/statistics.....	34	29	42	85	12	38	35	53	34	33	47	36	38
Medical/other life sciences .....	22	45	56	84	30	43	40	120	72	90	143	142	82
Medical sciences.....	7	28	30	36	10	21	19	44	35	49	44	61	33
Other life sciences.....	15	17	26	48	20	22	21	76	37	41	99	81	49
Physical sciences .....	74	121	188	237	62	104	69	188	175	159	129	157	130
Astronomy .....	0	2	3	5	2	0	4	3	5	4	10	4	3
Chemistry.....	49	73	102	125	39	61	45	110	104	100	75	98	86
Physics.....	25	41	75	104	20	42	20	72	66	54	38	54	34
Other physical sciences.....	0	5	8	3	1	1	0	3	0	1	6	1	7
Social/behavioral sciences.....	301	339	524	660	164	223	175	511	416	391	450	485	451
Psychology .....	154	173	281	363	98	109	80	295	223	223	256	248	232
Social sciences.....	147	166	243	297	66	114	95	216	193	168	194	237	219
Anthropology .....	13	14	27	26	5	5	11	26	26	9	13	20	22
Area/ethnic studies.....	8	3	5	10	2	6	4	3	7	3	3	9	3
Economics.....	41	44	75	99	13	34	26	79	40	47	42	70	46
History of science.....	1	1	0	1	1	1	1	1	4	3	0	2	1

**Earned doctoral degrees, by field, citizenship, and race/ethnicity: Selected years, 1983–2003**

Field, race/ethnicity, and citizenship	1983	1985	1987	1989	1991	1993	1995	1997	1999	2000	2001	2002	2003
Linguistics.....	8	7	15	20	6	11	5	6	9	10	5	12	10
Political science/public administration .....	28	51	59	68	11	40	33	52	54	47	61	62	61
Sociology.....	25	21	34	27	9	7	10	26	36	27	26	20	37
Other social sciences.....	23	25	28	46	19	10	5	23	17	22	44	42	39
Non-S&E.....	397	494	748	809	273	345	290	815	540	484	726	1,078	798

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, <http://www.nsf.gov/statistics/nsf05300/htmstart.htm>.

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

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