

TABLE 18. Doctorate recipients, by citizenship status and major field of study: 2004–14

Citizenship status and major field of study	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	% change 2004–14
All doctorate recipients ^a	42,123	43,385	45,622	48,132	48,778	49,553	48,031	48,914	50,961	52,747	54,070	28.4
Life sciences	8,813	9,310	9,704	10,702	11,086	11,403	11,258	11,462	12,029	12,303	12,504	41.9
Agricultural sciences and natural resources	1,155	1,160	1,146	1,321	1,198	1,283	1,100	1,206	1,255	1,328	1,303	12.8
Biological, biomedical sciences	5,940	6,367	6,652	7,238	7,797	8,025	8,046	8,153	8,426	8,470	8,991	51.4
Health sciences	1,718	1,783	1,906	2,143	2,091	2,095	2,112	2,103	2,348	2,505	2,210	28.6
Physical sciences	6,047	6,693	7,464	7,998	8,133	8,324	8,310	8,664	8,948	9,290	9,859	63.0
Chemistry	1,986	2,126	2,364	2,318	2,246	2,392	2,304	2,432	2,418	2,484	2,673	34.6
Computer and information sciences	948	1,129	1,453	1,654	1,787	1,610	1,664	1,713	1,843	1,901	2,072	118.6
Geosciences	686	714	757	875	865	877	862	852	841	881	989	44.2
Mathematics	1,076	1,205	1,325	1,388	1,400	1,553	1,590	1,606	1,703	1,819	1,879	74.6
Physics and astronomy	1,351	1,519	1,565	1,763	1,835	1,892	1,890	2,061	2,143	2,205	2,246	66.2
Social sciences	7,043	7,045	7,124	7,198	7,515	7,829	7,769	8,090	8,342	8,393	8,657	22.9
Anthropology	531	456	472	512	483	503	507	553	547	550	527	-0.8
Economics	959	1,061	1,029	1,004	1,091	1,118	1,073	1,121	1,243	1,184	1,194	24.5
Political science	587	618	616	588	628	682	728	685	724	803	776	32.2
Psychology	3,327	3,322	3,260	3,276	3,358	3,472	3,422	3,577	3,603	3,595	3,765	13.2
Sociology	580	536	579	576	601	662	639	657	633	636	678	16.9
Other social sciences	1,059	1,052	1,168	1,242	1,354	1,392	1,400	1,497	1,592	1,625	1,717	62.1
Engineering	5,777	6,426	7,186	7,749	7,864	7,642	7,547	7,986	8,422	8,952	9,568	65.6
Aerospace, aeronautical, and astronautical engineering	201	219	238	267	266	297	252	262	307	348	387	92.5
Chemical engineering	638	774	799	817	873	807	822	823	840	826	975	52.8
Civil engineering	547	622	655	703	713	707	643	634	496	543	622	13.7
Electrical, electronics, and communication engineering	1,389	1,547	1,786	1,967	1,888	1,693	1,778	1,886	1,940	1,897	1,957	40.9
Industrial and manufacturing engineering	217	221	234	279	280	251	215	258	226	241	298	37.3
Materials science engineering	475	493	583	646	636	625	670	662	743	815	836	76.0
Mechanical engineering	754	892	1,045	1,071	1,082	1,095	983	1,084	1,220	1,281	1,332	76.7
Other engineering	1,556	1,658	1,846	1,999	2,126	2,167	2,184	2,377	2,650	3,001	3,161	103.1
Education	6,635	6,227	6,122	6,448	6,561	6,528	5,288	4,670	4,803	4,942	4,793	-27.8
Education administration	2,342	2,167	2,051	2,161	2,238	2,146	1,439	924	1,057	966	895	-61.8
Education research	2,805	2,674	2,751	2,671	2,640	2,663	2,443	2,438	2,569	2,708	2,558	-8.8
Teacher education	270	263	250	297	274	332	245	204	156	111	153	-43.3
Teaching fields	758	663	707	873	912	906	800	805	757	892	919	21.2
Other education	460	460	363	446	497	481	361	299	264	265	268	-41.7
Humanities	5,210	5,141	5,326	5,092	4,719	4,891	4,971	5,209	5,499	5,666	5,486	5.3
Foreign languages and literature	587	607	615	607	627	598	601	644	684	702	676	15.2
History	976	924	973	937	971	1,045	1,005	1,065	1,087	1,148	1,182	21.1
Letters	1,407	1,389	1,457	1,340	1,420	1,413	1,516	1,513	1,638	1,605	1,553	10.4
Other humanities	2,240	2,221	2,281	2,208	1,701	1,835	1,849	1,987	2,090	2,211	2,075	-7.4

TABLE 18. Doctorate recipients, by citizenship status and major field of study: 2004–14

Citizenship status and major field of study	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	% change 2004–14
Other ^b	2,598	2,543	2,696	2,945	2,900	2,936	2,888	2,833	2,918	3,201	3,203	23.3
Business management and administration	1,256	1,171	1,311	1,506	1,421	1,405	1,365	1,327	1,404	1,552	1,583	26.0
Communication	450	488	510	560	557	627	638	650	595	648	664	47.6
Non-S&E fields not elsewhere classified	892	883	871	876	922	904	885	856	919	1,001	956	7.2
Unknown field	0	1	4	3	0	0	0	0	0	0	0	-
U.S. citizen or permanent resident	28,039	27,945	29,028	29,501	30,844	32,327	31,603	31,726	32,983	33,978	34,005	21.3
Life sciences	6,082	6,282	6,506	7,009	7,279	7,803	7,775	7,848	8,250	8,448	8,438	38.7
Agricultural sciences and natural resources	611	599	631	686	647	712	618	697	675	740	728	19.1
Biological, biomedical sciences	4,206	4,392	4,504	4,833	5,141	5,528	5,585	5,614	5,874	5,857	6,097	45.0
Health sciences	1,265	1,291	1,371	1,490	1,491	1,563	1,572	1,537	1,701	1,851	1,613	27.5
Physical sciences	3,258	3,355	3,686	3,808	4,044	4,420	4,521	4,724	4,777	4,875	5,061	55.3
Chemistry	1,185	1,212	1,276	1,190	1,231	1,391	1,323	1,407	1,386	1,444	1,447	22.1
Computer and information sciences	448	468	588	639	697	734	786	819	818	786	848	89.3
Geosciences	438	444	473	551	536	559	573	555	539	569	627	43.2
Mathematics	511	543	619	602	673	772	838	813	842	873	934	82.8
Physics and astronomy	676	688	730	826	907	964	1,001	1,130	1,192	1,203	1,205	78.3
Social sciences	5,241	5,157	5,280	5,173	5,491	5,618	5,696	5,958	6,190	6,301	6,268	19.6
Anthropology	445	358	404	410	400	403	384	455	445	456	407	-8.5
Economics	359	344	356	327	405	418	459	428	517	506	468	30.4
Political science	471	459	459	425	441	483	522	488	536	594	571	21.2
Psychology	2,796	2,894	2,825	2,780	2,892	2,908	2,874	3,063	3,047	3,067	3,046	8.9
Sociology	455	417	472	440	463	506	519	511	512	516	540	18.7
Other social sciences	715	685	764	791	890	900	938	1,013	1,133	1,162	1,236	72.9
Engineering	2,190	2,288	2,500	2,546	2,958	3,166	3,307	3,321	3,546	3,741	4,029	84.0
Aerospace, aeronautical, and astronautical engineering	77	98	90	118	122	160	141	145	181	194	246	219.5
Chemical engineering	295	306	359	310	396	411	433	393	377	366	447	51.5
Civil engineering	178	192	195	221	207	262	231	216	160	182	229	28.7
Electrical, electronics, and communication engineering	433	480	478	492	558	578	627	617	613	603	577	33.3
Industrial and manufacturing engineering	77	75	69	73	90	70	62	100	75	77	91	18.2
Materials science engineering	197	177	216	251	266	254	313	278	350	349	364	84.8
Mechanical engineering	273	301	353	332	371	421	403	440	505	548	558	104.4
Other engineering	660	659	740	749	948	1,010	1,097	1,132	1,285	1,422	1,517	129.8
Education	5,452	5,255	5,171	5,358	5,584	5,584	4,477	3,878	4,039	4,122	3,931	-27.9
Education administration	1,989	1,950	1,861	1,927	2,025	1,979	1,296	833	936	843	762	-61.7
Education research	2,343	2,263	2,314	2,178	2,207	2,230	2,059	1,989	2,142	2,220	2,101	-10.3
Teacher education	216	211	198	238	236	260	203	156	134	92	133	-38.4
Teaching fields	586	516	531	675	721	743	647	679	613	740	733	25.1
Other education	318	315	267	340	395	372	272	221	214	227	202	-36.5

TABLE 18. Doctorate recipients, by citizenship status and major field of study: 2004–14

Citizenship status and major field of study	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	% change 2004–14
Humanities	4,233	4,026	4,249	3,908	3,743	3,888	4,025	4,189	4,396	4,531	4,360	3.0
Foreign languages and literature	433	400	413	402	389	385	389	426	472	468	470	8.5
History	858	779	845	791	802	880	843	893	890	946	965	12.5
Letters	1,197	1,180	1,234	1,086	1,199	1,169	1,287	1,288	1,383	1,352	1,303	8.9
Other humanities	1,745	1,667	1,757	1,629	1,353	1,454	1,506	1,582	1,651	1,765	1,622	-7.0
Other ^b	1,583	1,582	1,636	1,699	1,745	1,848	1,802	1,808	1,785	1,960	1,918	21.2
Business management and administration	647	631	673	743	703	780	745	755	736	831	847	30.9
Communication	325	334	360	382	402	443	468	473	426	471	474	45.8
Non-S&E fields not elsewhere classified	611	617	603	574	640	625	589	580	623	658	597	-2.3
Unknown field	0	0	0	0	0	0	0	0	0	0	0	-
Temporary visa holder	11,629	12,832	14,198	15,123	15,261	14,737	13,636	14,235	14,784	15,684	15,852	36.3
Life sciences	2,316	2,553	2,723	3,039	3,252	3,097	2,909	3,008	3,190	3,169	3,156	36.3
Agricultural sciences and natural resources	480	484	463	538	492	509	412	472	529	517	498	3.8
Biological, biomedical sciences	1,471	1,681	1,857	2,030	2,302	2,190	2,084	2,124	2,181	2,170	2,241	52.3
Health sciences	365	388	403	471	458	398	413	412	480	482	417	14.2
Physical sciences	2,560	2,988	3,438	3,650	3,683	3,533	3,353	3,438	3,605	3,915	4,094	59.9
Chemistry	723	801	956	951	879	890	847	907	880	887	1,002	38.6
Computer and information sciences	459	598	797	897	1,005	791	766	772	887	1,019	1,067	132.5
Geosciences	225	234	244	283	293	295	251	246	266	275	314	39.6
Mathematics	528	602	665	694	651	713	686	690	747	845	819	55.1
Physics and astronomy	625	753	776	825	855	844	803	823	825	889	892	42.7
Social sciences	1,300	1,458	1,483	1,475	1,611	1,708	1,548	1,578	1,586	1,620	1,553	19.5
Anthropology	62	67	43	68	63	81	88	73	74	76	88	41.9
Economics	551	668	612	600	621	656	556	623	656	616	626	13.6
Political science	88	130	135	127	160	178	162	150	150	163	145	64.8
Psychology	189	209	247	233	249	258	270	238	254	282	251	32.8
Sociology	103	84	96	95	119	139	95	113	85	92	92	-10.7
Other social sciences	307	300	350	352	399	396	377	381	367	391	351	14.3
Engineering	3,312	3,756	4,295	4,591	4,492	4,221	3,860	4,151	4,338	4,734	4,936	49.0
Aerospace, aeronautical, and astronautical engineering	116	115	117	118	127	126	99	100	107	138	124	6.9
Chemical engineering	306	408	400	449	439	383	359	379	414	410	483	57.8
Civil engineering	351	402	416	437	468	419	378	373	303	334	340	-3.1
Electrical, electronics, and communication engineering	871	983	1,222	1,298	1,219	1,050	1,040	1,109	1,181	1,160	1,218	39.8
Industrial and manufacturing engineering	135	128	144	171	175	175	142	152	140	156	185	37.0
Materials science engineering	259	289	335	361	339	352	326	350	334	435	421	62.5
Mechanical engineering	456	543	649	671	651	646	519	568	631	666	688	50.9
Other engineering	818	888	1,012	1,086	1,074	1,070	997	1,120	1,228	1,435	1,477	80.6

TABLE 18. Doctorate recipients, by citizenship status and major field of study: 2004–14

Citizenship status and major field of study	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	% change 2004–14
Education	627	536	611	601	567	567	478	497	460	515	478	-23.8
Education administration	90	78	74	63	61	47	35	41	46	44	39	-56.7
Education research	316	283	335	321	303	315	277	294	278	319	265	-16.1
Teacher education	30	29	32	27	27	32	19	26	13	17	14	-53.3
Teaching fields	151	109	123	151	136	119	112	96	101	116	134	-11.3
Other education	40	37	47	39	40	54	35	40	22	19	26	-35.0
Humanities	737	796	777	790	698	727	647	750	738	755	705	-4.3
Foreign languages and literature	127	173	175	170	190	183	179	180	160	179	142	11.8
History	85	102	97	101	122	131	113	131	136	134	146	71.8
Letters	143	151	160	153	145	158	134	157	141	150	140	-2.1
Other humanities	382	370	345	366	241	255	221	282	301	292	277	-27.5
Other ^b	777	745	871	977	958	884	841	813	867	976	930	19.7
Business management and administration	475	449	537	634	619	530	499	477	542	600	587	23.6
Communication	107	128	125	135	116	145	131	132	107	134	137	28.0
Non-S&E fields not elsewhere classified	195	168	209	208	223	209	211	204	218	242	206	5.6
Unknown field	0	0	0	0	0	0	0	0	0	0	0	-

- = no value possible; percent change could not be calculated because there were no doctorate recipients with unknown field in 2004.

S&E = science and engineering.

^a Includes respondents who did not report citizenship status: 2,455 in 2004; 2,608 in 2005; 2,396 in 2006; 3,508 in 2007; 2,673 in 2008; 2,489 in 2009; 2,792 in 2010; 2,953 in 2011; 3,194 in 2012; 3,085 in 2013; and 4,213 in 2014.

^b Non-science and engineering fields.

NOTE: See table A-6 in the technical notes for a listing of major fields and their constituent subfields.

SOURCE: NSF, NIH, USED, USDA, NEH, NASA, Survey of Earned Doctorates.