

TABLE 15. Doctorate recipients, by sex and major field of study: 2003–13

Sex and major field of study	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	% change 2003–13
All doctorate recipients ^a	40,766	42,123	43,385	45,622	48,133	48,778	49,554	48,032	48,903	50,977	52,760	29.4
Life sciences	8,508	8,813	9,310	9,704	10,702	11,086	11,403	11,258	11,449	12,038	12,305	44.6
Agricultural sciences and natural resources	1,179	1,155	1,160	1,146	1,321	1,198	1,283	1,100	1,206	1,256	1,329	12.7
Biological, biomedical sciences	5,696	5,940	6,367	6,652	7,238	7,797	8,025	8,046	8,139	8,433	8,471	48.7
Health sciences	1,633	1,718	1,783	1,906	2,143	2,091	2,095	2,112	2,104	2,349	2,505	53.4
Physical sciences	5,831	6,047	6,693	7,464	7,999	8,133	8,324	8,310	8,664	8,951	9,290	59.3
Chemistry	2,041	1,986	2,126	2,364	2,318	2,246	2,392	2,304	2,432	2,421	2,491	22.0
Computer and information sciences	866	948	1,129	1,453	1,655	1,787	1,610	1,664	1,713	1,843	1,897	119.1
Geosciences	683	686	714	757	875	865	877	862	852	841	880	28.8
Mathematics	993	1,076	1,205	1,325	1,388	1,400	1,553	1,590	1,606	1,703	1,817	83.0
Physics and astronomy	1,248	1,351	1,519	1,565	1,763	1,835	1,892	1,890	2,061	2,143	2,205	76.7
Social sciences	7,004	7,043	7,045	7,124	7,198	7,515	7,829	7,769	8,091	8,343	8,401	19.9
Anthropology	472	531	456	472	512	483	503	507	553	547	552	16.9
Economics	932	959	1,061	1,029	1,004	1,091	1,118	1,073	1,121	1,243	1,185	27.1
Political science	661	587	618	616	588	628	682	728	685	725	803	21.5
Psychology	3,277	3,327	3,322	3,260	3,276	3,358	3,472	3,422	3,578	3,604	3,600	9.9
Sociology	597	580	536	579	576	601	662	639	657	632	636	6.5
Other social sciences	1,065	1,059	1,052	1,168	1,242	1,354	1,392	1,400	1,497	1,592	1,625	52.6
Engineering	5,280	5,777	6,426	7,186	7,749	7,864	7,643	7,548	7,986	8,426	8,963	69.8
Aerospace, aeronautical, and astronautical engineering	200	201	219	238	267	266	297	252	262	307	349	74.5
Chemical engineering	568	638	774	799	817	873	807	822	823	840	829	46.0
Civil engineering	551	547	622	655	703	713	707	643	634	496	543	-1.5
Electrical, electronics, and communication engineering	1,237	1,389	1,547	1,786	1,967	1,888	1,693	1,778	1,886	1,941	1,900	53.6
Industrial and manufacturing engineering	214	217	221	234	279	280	251	215	258	227	240	12.1
Materials science engineering	437	475	493	583	646	636	625	670	662	743	815	86.5
Mechanical engineering	752	754	892	1,045	1,071	1,082	1,095	983	1,084	1,220	1,282	70.5
Other engineering	1,321	1,556	1,658	1,846	1,999	2,126	2,168	2,185	2,377	2,652	3,005	127.5
Education	6,651	6,635	6,227	6,122	6,448	6,561	6,528	5,288	4,670	4,803	4,944	-25.7
Education administration	2,362	2,342	2,167	2,051	2,161	2,238	2,146	1,439	924	1,057	967	-59.1
Education research	2,720	2,805	2,674	2,751	2,671	2,640	2,663	2,443	2,438	2,569	2,704	-0.6
Teacher education	242	270	263	250	297	274	332	245	204	156	111	-54.1
Teaching fields	714	758	663	707	873	912	906	800	805	757	895	25.4
Other education	613	460	460	363	446	497	481	361	299	264	267	-56.4
Humanities	5,192	5,210	5,141	5,326	5,092	4,719	4,891	4,971	5,210	5,499	5,662	9.1
Foreign languages and literature	623	587	607	615	607	627	598	601	644	684	701	12.5
History	941	976	924	973	937	971	1,045	1,005	1,065	1,087	1,149	22.1
Letters	1,416	1,407	1,389	1,457	1,340	1,420	1,413	1,516	1,514	1,638	1,604	13.3
Other humanities	2,212	2,240	2,221	2,281	2,208	1,701	1,835	1,849	1,987	2,090	2,208	-0.2
Other ^b	2,300	2,598	2,543	2,696	2,945	2,900	2,936	2,888	2,833	2,917	3,195	38.9
Business management and administration	1,036	1,256	1,171	1,311	1,506	1,421	1,405	1,365	1,327	1,404	1,545	49.1
Communication	415	450	488	510	560	557	627	638	650	595	649	56.4

TABLE 15. Doctorate recipients, by sex and major field of study: 2003–13

Sex and major field of study	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	% change 2003–13
Non-S&E fields not elsewhere classified	849	892	883	871	876	922	904	885	856	918	1,001	17.9
Unknown field	0	0	1	4	3	0	0	0	0	0	0	-
Male	22,257	22,966	23,737	25,021	26,203	26,272	26,332	25,527	26,188	27,378	28,353	27.4
Life sciences	4,398	4,450	4,561	4,690	5,197	5,223	5,183	5,060	5,181	5,331	5,495	24.9
Agricultural sciences and natural resources	764	726	744	698	802	700	722	609	652	699	705	-7.7
Biological, biomedical sciences	3,091	3,183	3,253	3,377	3,708	3,861	3,834	3,823	3,874	3,937	3,981	28.8
Health sciences	543	541	564	615	687	662	627	628	655	695	809	49.0
Physical sciences	4,286	4,440	4,923	5,395	5,755	5,858	5,861	5,855	6,182	6,392	6,589	53.7
Chemistry	1,385	1,350	1,403	1,551	1,486	1,479	1,491	1,440	1,508	1,522	1,502	8.4
Computer and information sciences	690	749	905	1,142	1,323	1,387	1,260	1,312	1,350	1,464	1,549	124.5
Geosciences	470	448	470	490	542	548	539	496	522	496	498	6.0
Mathematics	729	771	877	932	985	966	1,067	1,123	1,144	1,219	1,290	77.0
Physics and astronomy	1,012	1,122	1,268	1,280	1,419	1,478	1,504	1,484	1,658	1,691	1,750	72.9
Social sciences	3,117	3,143	3,111	3,030	2,981	3,125	3,257	3,306	3,278	3,481	3,419	9.7
Anthropology	184	238	199	203	196	189	195	201	223	187	189	2.7
Economics	670	674	741	717	684	717	735	703	734	840	767	14.5
Political science	410	391	373	396	345	367	409	434	389	421	469	14.4
Psychology	1,044	1,081	1,058	936	941	999	991	1,033	1,003	1,041	1,002	-4.0
Sociology	245	240	201	216	216	235	263	250	254	230	259	5.7
Other social sciences	564	519	539	562	599	618	664	685	675	762	733	30.0
Engineering	4,368	4,756	5,226	5,729	6,141	6,168	6,006	5,804	6,204	6,526	6,910	58.2
Aerospace, aeronautical, and astronautical engineering	173	177	190	212	236	238	255	215	228	268	294	69.9
Chemical engineering	427	488	590	583	620	641	591	574	566	583	569	33.3
Civil engineering	464	461	503	538	538	568	559	473	486	389	418	-9.9
Electrical, electronics, and communication engineering	1,090	1,195	1,338	1,535	1,662	1,568	1,433	1,462	1,579	1,596	1,617	48.3
Industrial and manufacturing engineering	159	174	177	167	201	201	186	159	180	165	175	10.1
Materials science engineering	338	390	380	430	482	482	466	495	496	556	598	76.9
Mechanical engineering	674	670	778	901	940	930	942	858	934	1,042	1,085	61.0
Other engineering	1,043	1,201	1,270	1,363	1,462	1,540	1,574	1,568	1,735	1,927	2,154	106.5
Education	2,256	2,264	2,065	2,130	2,103	2,158	2,161	1,662	1,432	1,500	1,575	-30.2
Education administration	887	908	844	839	805	892	838	547	349	389	374	-57.8
Education research	824	845	809	866	816	763	819	706	699	761	826	0.2
Teacher education	61	72	63	63	72	58	92	59	38	43	22	-63.9
Teaching fields	256	263	205	248	281	289	275	234	250	229	277	8.2
Other education	228	176	144	114	129	156	137	116	96	78	76	-66.7
Humanities	2,565	2,516	2,549	2,651	2,580	2,256	2,355	2,402	2,527	2,654	2,760	7.6
Foreign languages and literature	244	220	240	236	237	220	224	218	248	238	271	11.1
History	564	568	539	575	553	561	608	556	586	603	631	11.9
Letters	578	569	558	618	569	527	524	625	616	659	665	15.1
Other humanities	1,179	1,159	1,212	1,222	1,221	948	999	1,003	1,077	1,154	1,193	1.2

TABLE 15. Doctorate recipients, by sex and major field of study: 2003–13

Sex and major field of study	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	% change 2003–13
Other ^b	1,267	1,397	1,302	1,396	1,446	1,484	1,509	1,438	1,384	1,494	1,605	26.7
Business management and administration	681	800	696	798	863	861	872	813	792	836	906	33.0
Communication	168	185	214	220	209	232	263	247	233	244	246	46.4
Non-S&E fields not elsewhere classified	418	412	392	377	374	391	374	378	359	414	453	8.4
Unknown field	0	0	0	1	0	0	0	0	0	0	0	-
Female	18,509	19,155	19,582	20,560	21,904	22,495	23,188	22,489	22,693	23,543	24,396	31.8
Life sciences	4,110	4,363	4,735	5,007	5,497	5,859	6,210	6,193	6,265	6,691	6,807	65.6
Agricultural sciences and natural resources	415	429	413	448	516	498	559	490	554	554	624	50.4
Biological, biomedical sciences	2,605	2,757	3,106	3,271	3,529	3,934	4,185	4,219	4,263	4,486	4,487	72.2
Health sciences	1,090	1,177	1,216	1,288	1,452	1,427	1,466	1,484	1,448	1,651	1,696	55.6
Physical sciences	1,545	1,606	1,763	2,064	2,242	2,273	2,450	2,454	2,476	2,551	2,698	74.6
Chemistry	656	635	723	810	832	767	895	864	922	898	987	50.5
Computer and information sciences	176	199	221	311	332	400	349	352	361	379	348	97.7
Geosciences	213	238	244	266	333	316	338	366	330	345	381	78.9
Mathematics	264	305	326	393	402	433	483	467	460	481	527	99.6
Physics and astronomy	236	229	249	284	343	357	385	405	403	448	455	92.8
Social sciences	3,887	3,900	3,929	4,089	4,214	4,390	4,570	4,462	4,812	4,858	4,981	28.1
Anthropology	288	293	256	269	316	294	308	306	330	360	363	26.0
Economics	262	285	318	310	319	374	382	369	387	402	418	59.5
Political science	251	196	245	220	242	261	272	294	296	303	333	32.7
Psychology	2,233	2,246	2,263	2,322	2,335	2,359	2,481	2,389	2,575	2,562	2,598	16.3
Sociology	352	340	335	363	360	366	399	389	403	401	377	7.1
Other social sciences	501	540	512	605	642	736	728	715	821	830	892	78.0
Engineering	912	1,021	1,182	1,452	1,605	1,693	1,632	1,741	1,774	1,883	2,051	124.9
Aerospace, aeronautical, and astronautical engineering	27	24	29	25	31	28	41	37	34	39	55	103.7
Chemical engineering	141	150	183	216	197	232	216	248	256	256	260	84.4
Civil engineering	87	86	118	117	165	145	148	169	147	106	125	43.7
Electrical, electronics, and communication engineering	147	194	205	250	304	319	260	315	301	337	281	91.2
Industrial and manufacturing engineering	55	43	41	67	78	79	65	55	78	62	65	18.2
Materials science engineering	99	85	112	152	164	154	159	175	166	184	217	119.2
Mechanical engineering	78	84	114	144	131	152	152	125	150	177	197	152.6
Other engineering	278	355	380	481	535	584	591	617	642	722	851	206.1
Education	4,395	4,370	4,152	3,985	4,344	4,402	4,366	3,624	3,234	3,299	3,369	-23.3
Education administration	1,475	1,434	1,319	1,211	1,356	1,346	1,308	892	574	665	593	-59.8
Education research	1,896	1,959	1,862	1,884	1,854	1,876	1,844	1,736	1,736	1,808	1,878	-0.9
Teacher education	181	198	199	186	225	216	240	186	166	113	89	-50.8
Teaching fields	458	495	457	457	592	623	630	566	555	527	618	34.9
Other education	385	284	315	247	317	341	344	244	203	186	191	-50.4
Humanities	2,627	2,694	2,586	2,670	2,510	2,463	2,535	2,568	2,683	2,843	2,901	10.4
Foreign languages and literature	379	367	366	379	370	407	374	382	396	446	430	13.5
History	377	408	384	398	384	410	437	449	479	484	518	37.4

TABLE 15. Doctorate recipients, by sex and major field of study: 2003–13

Sex and major field of study	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	% change 2003–13
Letters	838	838	831	839	771	893	888	891	898	978	939	12.1
Other humanities	1,033	1,081	1,005	1,054	985	753	836	846	910	935	1,014	-1.8
Other ^b	1,033	1,201	1,235	1,293	1,492	1,415	1,425	1,447	1,449	1,418	1,589	53.8
Business management and administration	355	456	471	507	638	560	533	550	535	565	638	79.7
Communication	247	265	273	290	351	325	364	390	417	350	403	63.2
Non-S&E fields not elsewhere classified	431	480	490	493	500	530	528	507	497	503	548	27.1
Unknown field	0	0	1	3	3	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 2003.

S&E = science and engineering.

^a Includes respondents who did not report sex: 2 in 2004, 66 in 2005, 41 in 2006, 26 in 2007, 11 in 2008, 34 in 2009, 16 in 2010, 22 in 2011, 56 in 2012, and 11 in 2013.

^b Non-science and engineering fields not shown separately.

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.