

Table 1-7. Research doctorate recipients, by trend major field of doctorate and citizenship status: 2014–24

(Number)

Field and citizenship status	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% change 2014–24
All doctorate recipients ^a	53,986	54,886	54,809	54,550	55,077	55,598	55,200	52,159	57,439	57,806	58,131	7.7
Science and engineering	40,708	41,247	41,306	41,364	42,144	42,897	42,561	40,818	45,393	45,493	45,929	12.8
Agricultural sciences and natural resources	1,380	1,490	1,428	1,543	1,499	1,538	1,531	1,412	1,509	1,477	1,478	7.1
Agricultural sciences	854	903	851	969	960	1,002	1,013	956	1,001	1,007	992	16.2
Natural resources and conservation	526	587	577	574	539	536	518	456	508	470	486	-7.6
Biological and biomedical sciences	8,868	8,783	8,863	8,567	8,782	8,678	8,403	8,131	9,206	9,566	9,700	9.4
Biochemistry and biophysics	1,006	930	997	999	963	966	859	797	925	893	926	-8.0
Biology and biomedical sciences, general	683	674	1,100	808	888	914	1,056	978	1,234	1,325	1,326	94.1
Bioinformatics, biostatistics, and computational biology	465	452	525	549	580	647	600	622	763	794	805	73.1
Cellular and developmental biology, and anatomy	607	596	488	427	427	412	364	220	217	224	220	-63.8
Ecology, evolutionary biology, and epidemiology	956	1,041	1,025	1,017	1,059	1,033	952	947	1,080	1,117	1,131	18.3
Genetics and genomics	401	358	338	344	363	341	347	375	415	458	451	12.5
Microbiology and immunology	1,133	1,168	1,042	976	1,042	1,009	1,001	972	1,088	1,092	1,092	-3.6
Molecular biology	670	632	549	634	596	555	575	740	796	849	872	30.1
Neurobiology and neurosciences	1,048	1,089	997	984	1,033	1,033	972	911	1,045	1,087	1,125	7.3
Pharmacology and toxicology	458	381	337	371	361	350	325	311	386	408	377	-17.7
Physiology, pathology, and cancer biology	788	774	686	683	690	637	571	562	582	607	631	-19.9
Biology and biomedical sciences, other	653	688	779	775	780	781	781	696	675	712	744	13.9
Computer and information sciences	1,988	2,003	2,082	1,998	2,000	2,220	2,363	2,360	2,607	2,686	2,982	50.0
Computer science	1,664	1,658	1,650	1,592	1,628	1,814	1,953	1,808	1,822	1,937	2,195	31.9
Computer and information sciences, other	324	345	432	406	372	406	410	552	785	749	787	142.9
Engineering	9,626	9,875	9,459	9,774	10,164	10,298	10,468	10,230	11,516	11,398	11,169	16.0
Aerospace, aeronautical, and astronautical engineering	386	361	370	380	383	379	399	372	586	586	598	54.9
Bioengineering and biomedical engineering	1,046	1,125	1,089	1,032	1,133	1,163	1,082	1,063	1,227	1,301	1,282	22.6
Chemical and petroleum engineering	1,143	1,186	1,080	1,106	1,168	1,194	1,191	1,204	1,259	1,245	1,248	9.2
Civil, environmental, and transportation engineering	1,161	1,213	1,087	1,216	1,178	1,317	1,305	1,177	1,390	1,366	1,329	14.5
Electrical and computer engineering	2,446	2,437	2,243	2,319	2,393	2,260	2,461	2,510	2,721	2,653	2,576	5.3
Industrial engineering and operations research	510	436	499	485	492	505	567	580	612	577	584	14.5
Materials and mining engineering	856	905	1,015	962	1,018	1,016	901	950	1,161	1,159	1,088	27.1
Mechanical engineering	1,411	1,548	1,417	1,496	1,610	1,677	1,777	1,584	1,649	1,653	1,624	15.1
Engineering, other	667	664	659	778	789	787	785	790	911	858	840	25.9
Geosciences, atmospheric, and ocean sciences	1,098	1,057	1,227	1,169	1,185	1,272	1,241	1,064	1,181	1,231	1,229	11.9
Geological sciences	579	554	618	572	591	621	673	543	576	592	608	5.0
Ocean, marine, and atmospheric sciences	519	503	609	597	594	651	568	521	605	639	621	19.7
Health sciences	2,236	2,220	2,248	2,443	2,473	2,532	2,606	2,249	2,472	2,435	2,509	12.2
Nursing science	580	536	482	552	584	546	590	513	536	554	498	-14.1
Pharmaceutical sciences	279	270	274	292	344	358	382	329	370	358	370	32.6
Public health	565	641	694	769	702	768	714	615	713	683	731	29.4

Table 1-7. Research doctorate recipients, by trend major field of doctorate and citizenship status: 2014–24

(Number)

Field and citizenship status	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% change 2014–24
Health sciences, other	812	773	798	830	843	860	920	792	853	840	910	12.1
Mathematics and statistics	1,874	1,815	1,872	1,844	2,022	2,010	2,024	2,010	2,247	2,165	2,093	11.7
Applied mathematics	476	435	474	493	455	427	419	426	460	458	416	-12.6
Mathematics	635	635	350	392	524	445	378	235	226	231	227	-64.3
Statistics	407	381	265	368	412	365	402	488	596	574	537	31.9
Mathematics and statistics, other	356	364	783	591	631	773	825	861	965	902	913	156.5
Physical sciences	4,812	4,859	5,024	4,913	5,144	5,306	5,000	4,710	5,467	5,456	5,401	12.2
Astronomy and astrophysics	289	269	315	339	351	361	305	456	521	603	576	99.3
Chemistry	2,673	2,666	2,703	2,699	2,807	2,939	2,761	2,552	3,060	2,997	3,031	13.4
Physics	1,850	1,924	2,006	1,875	1,986	2,006	1,934	1,702	1,886	1,856	1,794	-3.0
Psychology	3,724	3,776	3,910	3,925	3,821	3,909	3,865	3,777	3,952	3,883	4,083	9.6
Clinical psychology	1,220	1,173	1,207	1,193	1,260	1,249	1,277	1,241	1,135	1,201	1,169	-4.2
Counseling and applied psychology	928	1,034	1,001	1,019	1,003	978	980	1,029	1,072	998	1,153	24.2
Research and experimental psychology	1,007	974	1,066	1,034	952	1,042	880	834	1,066	1,001	1,013	0.6
Psychology, other	569	595	636	679	606	640	728	673	679	683	748	31.5
Social sciences	5,102	5,369	5,193	5,188	5,054	5,134	5,060	4,875	5,236	5,196	5,285	3.6
Anthropology	523	492	460	446	424	445	447	399	415	389	407	-22.2
Economics	1,196	1,255	1,236	1,239	1,244	1,247	1,212	1,229	1,287	1,289	1,283	7.3
Political science and government	775	859	745	743	734	707	636	581	676	662	674	-13.0
Public policy analysis	327	374	291	293	323	287	306	269	306	299	315	-3.7
Sociology, demography, and population studies	710	762	650	705	695	650	630	578	624	627	638	-10.1
Social sciences, other	1,571	1,627	1,811	1,762	1,634	1,798	1,829	1,819	1,928	1,930	1,968	25.3
Non-science and engineering	13,278	13,639	13,503	13,186	12,933	12,701	12,639	11,341	12,046	12,313	12,202	-8.1
Business	1,584	1,582	1,509	1,566	1,473	1,528	1,466	1,389	1,447	1,557	1,400	-11.6
Education	4,789	5,098	5,146	4,825	4,817	4,628	4,712	4,239	4,471	4,554	4,534	-5.3
Education leadership and administration	893	920	824	921	895	835	929	701	719	734	708	-20.7
Education research	2,560	2,772	2,384	2,418	2,499	2,304	2,308	2,198	2,274	2,321	2,314	-9.6
Teacher education and teaching fields	1,067	1,109	1,346	1,039	1,055	1,061	1,051	905	996	1,019	1,048	-1.8
Education, other	269	297	592	447	368	428	424	435	482	480	464	72.5
Humanities and arts	5,446	5,522	5,416	5,209	5,139	5,051	4,924	4,132	4,456	4,452	4,491	-17.5
Letters	1,551	1,583	1,531	1,462	1,439	1,386	1,389	1,192	1,292	1,321	1,277	-17.7
Foreign languages and literature	674	656	599	619	617	610	564	377	442	440	428	-36.5
History	1,108	1,074	1,082	980	948	912	884	724	749	763	755	-31.9
Philosophy and religious studies	773	804	735	757	758	682	667	594	639	614	612	-20.8
Music and performing arts	509	529	476	521	486	503	559	479	470	471	505	-0.8
Humanities and arts, other	831	876	993	870	891	958	861	766	864	843	914	10.0
Other non-science and engineering	1,459	1,437	1,432	1,586	1,504	1,494	1,537	1,581	1,672	1,750	1,777	21.8
Communication	663	667	672	622	630	543	591	508	580	631	637	-3.9

Table 1-7. Research doctorate recipients, by trend major field of doctorate and citizenship status: 2014–24

(Number)

Field and citizenship status	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% change 2014–24
Public administration and social services	444	428	437	480	496	537	530	506	488	535	552	24.3
Non-science and engineering, other	352	342	323	484	378	414	416	567	604	584	588	67.0
U.S. citizen or permanent resident	34,003	35,071	35,678	35,814	35,349	35,218	34,458	31,860	35,201	35,535	36,062	6.1
Science and engineering	23,943	24,571	25,112	25,546	25,436	25,673	24,919	23,608	26,352	26,604	27,204	13.6
Agricultural sciences and natural resources	770	794	803	851	823	849	829	791	854	845	800	3.9
Agricultural sciences	424	434	433	494	466	498	494	498	508	542	491	15.8
Natural resources and conservation	346	360	370	357	357	351	335	293	346	303	309	-10.7
Biological and biomedical sciences	5,993	6,029	6,215	6,158	6,396	6,368	5,999	5,826	6,625	6,904	6,996	16.7
Biochemistry and biophysics	612	582	621	657	647	666	582	529	618	614	612	0.0
Biology and biomedical sciences, general	397	384	699	548	586	623	704	663	832	905	885	122.9
Bioinformatics, biostatistics, and computational biology	237	214	263	298	317	367	292	328	413	448	425	79.3
Cellular and developmental biology, and anatomy	397	409	318	289	294	292	259	159	152	150	152	-61.7
Ecology, evolutionary biology, and epidemiology	754	846	850	834	900	871	771	767	858	884	915	21.4
Genetics and genomics	275	247	246	243	278	272	261	281	322	344	340	23.6
Microbiology and immunology	825	881	810	749	816	795	774	766	887	845	870	5.5
Molecular biology	462	400	395	449	410	411	410	525	582	630	626	35.5
Neurobiology and neurosciences	798	840	775	800	837	832	754	721	820	858	891	11.7
Pharmacology and toxicology	294	268	232	263	262	259	241	223	285	294	285	-3.1
Physiology, pathology, and cancer biology	530	523	472	496	495	449	417	402	424	434	466	-12.1
Biology and biomedical sciences, other	412	435	534	532	554	531	534	462	432	498	529	28.4
Computer and information sciences	807	774	783	804	742	799	807	783	910	965	1,103	36.7
Computer science	642	604	598	598	577	622	644	587	659	686	812	26.5
Computer and information sciences, other	165	170	185	206	165	177	163	196	251	279	291	76.4
Engineering	4,066	4,219	4,181	4,315	4,213	4,251	4,153	4,093	4,724	4,802	4,910	20.8
Aerospace, aeronautical, and astronautical engineering	246	216	233	241	221	212	221	187	304	322	329	33.7
Bioengineering and biomedical engineering	674	723	746	698	743	771	688	733	841	853	861	27.7
Chemical and petroleum engineering	484	523	498	511	508	522	515	504	570	601	614	26.9
Civil, environmental, and transportation engineering	470	493	433	448	417	429	446	387	455	466	469	-0.2
Electrical and computer engineering	714	750	672	699	655	627	681	707	752	761	801	12.2
Industrial engineering and operations research	187	165	184	202	167	195	180	201	208	208	200	7.0
Materials and mining engineering	373	397	473	482	477	511	411	425	554	539	530	42.1
Mechanical engineering	602	658	650	639	666	671	666	632	679	677	727	20.8
Engineering, other	316	294	292	395	359	313	345	317	361	375	379	19.9
Geosciences, atmospheric, and ocean sciences	722	704	803	791	760	808	809	683	740	782	834	15.5
Geological sciences	366	363	387	364	383	397	430	340	343	358	402	9.8
Ocean, marine, and atmospheric sciences	356	341	416	427	377	411	379	343	397	424	432	21.3
Health sciences	1,627	1,647	1,665	1,835	1,809	1,818	1,871	1,636	1,734	1,729	1,811	11.3
Nursing science	493	457	416	468	484	459	490	430	434	438	392	-20.5

Table 1-7. Research doctorate recipients, by trend major field of doctorate and citizenship status: 2014–24

(Number)

Field and citizenship status	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% change 2014–24
Pharmaceutical sciences	97	104	117	123	132	129	159	148	144	149	177	82.5
Public health	452	535	547	608	541	607	544	470	526	521	555	22.8
Health sciences, other	585	551	585	636	652	623	678	588	630	621	687	17.4
Mathematics and statistics	931	889	946	948	994	986	927	898	1,000	976	975	4.7
Applied mathematics	215	202	239	241	237	220	221	203	202	221	214	-0.5
Mathematics	400	386	195	238	300	246	183	127	112	127	118	-70.5
Statistics	160	156	106	155	161	134	132	139	170	164	157	-1.9
Mathematics and statistics, other	156	145	406	314	296	386	391	429	516	464	486	211.5
Physical sciences	2,578	2,777	2,866	2,928	3,008	3,092	2,930	2,682	3,128	3,176	3,121	21.1
Astronomy and astrophysics	199	190	236	238	253	250	213	292	335	377	368	84.9
Chemistry	1,447	1,572	1,581	1,698	1,710	1,780	1,696	1,515	1,800	1,862	1,789	23.6
Physics	932	1,015	1,049	992	1,045	1,062	1,021	875	993	937	964	3.4
Psychology	3,042	3,103	3,341	3,382	3,309	3,326	3,309	3,154	3,338	3,238	3,450	13.4
Clinical psychology	1,005	1,039	1,099	1,092	1,136	1,130	1,151	1,091	1,012	1,067	1,032	2.7
Counseling and applied psychology	778	850	866	862	884	843	849	893	938	852	1,026	31.9
Research and experimental psychology	849	809	903	884	806	867	748	680	874	809	828	-2.5
Psychology, other	410	405	473	544	483	486	561	490	514	510	564	37.6
Social sciences	3,407	3,635	3,509	3,534	3,382	3,376	3,285	3,062	3,299	3,187	3,204	-6.0
Anthropology	405	397	360	350	336	360	366	300	335	302	309	-23.7
Economics	469	552	522	551	483	491	458	438	476	457	440	-6.2
Political science and government	574	621	579	573	544	504	459	408	463	435	433	-24.6
Public policy analysis	254	294	227	223	245	224	222	204	214	224	231	-9.1
Sociology, demography, and population studies	566	613	531	579	574	522	501	470	494	494	481	-15.0
Social sciences, other	1,139	1,158	1,290	1,258	1,200	1,275	1,279	1,242	1,317	1,275	1,310	15.0
Non-science and engineering	10,060	10,500	10,566	10,268	9,913	9,545	9,539	8,252	8,849	8,931	8,858	-11.9
Business	849	892	845	864	740	744	708	609	660	678	655	-22.9
Education	3,934	4,196	4,303	4,066	4,025	3,843	3,895	3,465	3,649	3,748	3,714	-5.6
Education leadership and administration	763	797	727	798	783	751	820	604	632	645	626	-18.0
Education research	2,104	2,273	1,981	2,034	2,056	1,909	1,870	1,800	1,847	1,901	1,911	-9.2
Teacher education and teaching fields	864	896	1,108	863	872	856	844	717	789	815	813	-5.9
Education, other	203	230	487	371	314	327	361	344	381	387	364	79.3
Humanities and arts	4,301	4,425	4,398	4,253	4,145	3,988	3,908	3,154	3,460	3,333	3,344	-22.3
Letters	1,304	1,353	1,314	1,280	1,232	1,187	1,163	950	1,073	1,052	1,013	-22.3
Foreign languages and literature	469	463	399	432	405	383	350	237	271	252	238	-49.3
History	908	891	898	838	800	741	745	569	603	597	609	-32.9
Philosophy and religious studies	606	643	603	597	609	531	537	456	511	476	441	-27.2
Music and performing arts	390	383	380	406	376	395	422	359	336	328	374	-4.1
Humanities and arts, other	624	692	804	700	723	751	691	583	666	628	669	7.2

Table 1-7. Research doctorate recipients, by trend major field of doctorate and citizenship status: 2014–24

(Number)

Field and citizenship status	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% change 2014–24
Other non-science and engineering	976	987	1,020	1,085	1,003	970	1,028	1,024	1,080	1,172	1,145	17.3
Communication	473	479	472	459	434	349	411	347	377	432	415	-12.3
Public administration and social services	319	327	349	380	378	414	402	371	352	409	407	27.6
Non-science and engineering, other	184	181	199	246	191	207	215	306	351	331	323	75.5
Temporary visa holder	15,839	16,129	16,477	16,288	17,581	18,324	18,473	17,768	19,618	19,390	19,371	22.3
Science and engineering	13,743	14,027	14,325	14,134	15,204	15,777	15,997	15,333	17,081	16,765	16,738	21.8
Agricultural sciences and natural resources	522	582	574	629	630	668	658	578	610	580	635	21.6
Agricultural sciences	384	413	386	453	475	495	486	432	469	436	475	23.7
Natural resources and conservation	138	169	188	176	155	173	172	146	141	144	160	15.9
Biological and biomedical sciences	2,229	2,266	2,304	2,180	2,157	2,129	2,173	2,029	2,287	2,299	2,374	6.5
Biochemistry and biophysics	339	312	341	318	287	278	245	253	282	244	290	-14.5
Biology and biomedical sciences, general	177	196	341	208	252	249	288	253	324	333	343	93.8
Bioinformatics, biostatistics, and computational biology	192	201	227	239	252	272	297	275	327	320	359	87.0
Cellular and developmental biology, and anatomy	168	163	140	123	121	105	86	52	54	51	44	-73.8
Ecology, evolutionary biology, and epidemiology	153	161	152	169	150	150	169	162	201	210	201	31.4
Genetics and genomics	102	90	73	89	73	65	77	81	84	96	101	-1.0
Microbiology and immunology	256	241	207	209	210	205	214	179	178	214	194	-24.2
Molecular biology	162	188	136	176	177	138	156	192	192	201	223	37.7
Neurobiology and neurosciences	180	211	190	163	171	181	196	157	191	195	202	12.2
Pharmacology and toxicology	114	80	88	97	92	79	75	73	86	93	78	-31.6
Physiology, pathology, and cancer biology	197	213	194	166	177	177	138	136	138	144	149	-24.4
Biology and biomedical sciences, other	189	210	215	223	195	230	232	216	230	198	190	0.5
Computer and information sciences	1,029	1,094	1,201	1,105	1,163	1,328	1,455	1,431	1,587	1,573	1,731	68.2
Computer science	914	950	977	932	980	1,124	1,235	1,115	1,090	1,150	1,270	38.9
Computer and information sciences, other	115	144	224	173	183	204	220	316	497	423	461	300.9
Engineering	4,961	5,108	4,842	5,039	5,575	5,680	5,950	5,672	6,249	6,034	5,733	15.6
Aerospace, aeronautical, and astronautical engineering	124	132	121	124	146	153	163	163	250	227	236	90.3
Bioengineering and biomedical engineering	318	348	301	300	362	359	364	302	343	387	377	18.6
Chemical and petroleum engineering	605	601	524	550	616	638	620	650	638	593	586	-3.1
Civil, environmental, and transportation engineering	635	661	604	700	719	845	810	742	877	833	802	26.3
Electrical and computer engineering	1,544	1,521	1,446	1,527	1,642	1,533	1,690	1,696	1,838	1,765	1,646	6.6
Industrial engineering and operations research	298	253	295	271	306	294	360	358	369	339	350	17.4
Materials and mining engineering	425	459	506	440	509	475	473	484	552	571	514	20.9
Mechanical engineering	719	827	704	782	879	951	1,061	875	911	897	837	16.4
Engineering, other	293	306	341	345	396	432	409	402	471	422	385	31.4
Geosciences, atmospheric, and ocean sciences	326	307	390	332	392	429	391	345	392	395	352	8.0
Geological sciences	178	159	205	174	185	201	217	179	204	200	175	-1.7
Ocean, marine, and atmospheric sciences	148	148	185	158	207	228	174	166	188	195	177	19.6

Table 1-7. Research doctorate recipients, by trend major field of doctorate and citizenship status: 2014–24

(Number)

Field and citizenship status	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% change 2014–24
Health sciences	418	416	474	520	573	598	596	482	594	564	537	28.5
Nursing science	35	37	45	62	70	62	71	57	69	76	73	108.6
Pharmaceutical sciences	142	132	134	157	192	205	195	161	191	183	163	14.8
Public health	81	82	124	138	152	141	143	112	148	141	135	66.7
Health sciences, other	160	165	171	163	159	190	187	152	186	164	166	3.8
Mathematics and statistics	821	823	852	821	965	975	1,020	1,041	1,155	1,112	1,035	26.1
Applied mathematics	245	222	224	243	208	200	193	214	242	228	195	-20.4
Mathematics	227	243	141	147	214	195	190	101	113	97	102	-55.1
Statistics	214	207	150	190	240	218	251	327	392	390	358	67.3
Mathematics and statistics, other	135	151	337	241	303	362	386	399	408	397	380	181.5
Physical sciences	1,870	1,792	1,923	1,828	1,981	2,055	1,920	1,851	2,140	2,073	2,107	12.7
Astronomy and astrophysics	72	68	74	93	92	106	83	152	177	208	198	175.0
Chemistry	1,000	929	1,000	919	1,021	1,071	993	944	1,150	1,040	1,150	15.0
Physics	798	795	849	816	868	878	844	755	813	825	759	-4.9
Psychology	249	260	305	286	284	339	257	338	344	366	363	45.8
Clinical psychology	43	33	40	34	38	48	36	58	42	44	43	0.0
Counseling and applied psychology	60	58	71	62	74	70	52	70	61	88	79	31.7
Research and experimental psychology	107	126	134	129	124	154	112	135	176	170	161	50.5
Psychology, other	39	43	60	61	48	67	57	75	65	64	80	105.1
Social sciences	1,318	1,379	1,460	1,394	1,484	1,576	1,577	1,566	1,723	1,769	1,871	42.0
Anthropology	86	68	76	65	70	66	63	81	60	70	82	-4.7
Economics	627	606	656	641	707	708	690	731	760	773	796	27.0
Political science and government	145	178	128	140	159	173	152	139	187	196	206	42.1
Public policy analysis	54	62	56	53	72	58	77	55	69	61	57	5.6
Sociology, demography, and population studies	96	105	101	99	98	111	113	91	113	113	131	36.5
Social sciences, other	310	360	443	396	378	460	482	469	534	556	599	93.2
Non-science and engineering	2,096	2,102	2,152	2,154	2,377	2,547	2,476	2,435	2,537	2,625	2,633	25.6
Business	589	546	553	588	642	689	658	689	702	770	659	11.9
Education	478	539	562	534	610	615	659	557	581	546	605	26.6
Education leadership and administration	39	35	33	51	52	54	59	47	55	50	49	25.6
Education research	265	327	279	308	365	317	385	310	310	294	309	16.6
Teacher education and teaching fields	148	158	194	144	163	181	181	154	158	163	192	29.7
Education, other	26	19	56	31	30	63	34	46	58	39	55	111.5
Humanities and arts	713	696	700	680	739	826	742	737	762	849	884	24.0
Letters	140	122	126	122	139	149	132	175	162	202	195	39.3
Foreign languages and literature	142	151	164	159	181	202	185	120	154	159	156	9.9
History	129	114	130	113	112	130	120	130	109	131	123	-4.7
Philosophy and religious studies	101	92	73	97	111	113	88	103	102	110	139	37.6

Table 1-7. Research doctorate recipients, by trend major field of doctorate and citizenship status: 2014–24

(Number)

Field and citizenship status	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% change 2014–24
Music and performing arts	80	92	72	66	77	83	97	87	101	94	92	15.0
Humanities and arts, other	121	125	135	123	119	149	120	122	134	153	179	47.9
Other non-science and engineering	316	321	337	352	386	417	417	452	492	460	485	53.5
Communication	137	137	160	122	165	163	153	142	174	155	184	34.3
Public administration and social services	61	62	70	71	84	87	97	101	106	99	97	59.0
Non-science and engineering, other	118	122	107	159	137	167	167	209	212	206	204	72.9

^a All doctorate recipients includes doctorate recipients who did not report citizenship status.

Note(s):

Beginning in 2021, a modified version of the 2020 Classification of Instructional Programs (CIP) codes was used in the survey data collection; the trend fields were constructed using the SED-CIP code crosswalk in table A-6. Therefore, the field of doctorate data prior to 2021 may not be comparable to subsequent years. For more information about the field taxonomy changes, see the "Technical Notes."

Source(s):

National Center for Science and Engineering Statistics, Survey of Earned Doctorates.