



National Center for Science and
Engineering Statistics

Data Tables Report

Doctorate Recipients from U.S. Universities: 2025 Data Tables

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General Notes

The Survey of Earned Doctorates (SED) is an annual census of all individuals receiving a research doctorate from an accredited U.S. institution in a given academic year. The 2025 data tables present detailed data on the educational history, time to degree, sources of financial support, education-related debt, and postgraduation plans of doctorate recipients, such as definite commitments for postdoc and other employment, employment sector, and median salary. The tables also report demographic characteristics of doctorate recipients, such as sex, race, ethnicity, and citizenship. Explore SED data further via the [interactive data tool](#) and the [Restricted Data Analysis System](#).

The National Center for Science and Engineering Statistics has reviewed this product for unauthorized disclosure of confidential information and approved its release (NCSES-DRN26-034).

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Table 1-1. Research doctorate recipients from U.S. colleges and universities: 1958–2025

(Number and percent)

Year	Doctorate recipients (number)	% change from previous year
1958	8,773	-
1959	9,213	5.0
1960	9,733	5.6
1961	10,413	7.0
1962	11,500	10.4
1963	12,728	10.7
1964	14,325	12.5
1965	16,340	14.1
1966	17,949	9.8
1967	20,403	13.7
1968	22,937	12.4
1969	25,743	12.2
1970	29,498	14.6
1971	31,867	8.0
1972	33,041	3.7
1973	33,755	2.2
1974	33,047	-2.1
1975	32,952	-0.3
1976	32,946	*
1977	31,716	-3.7
1978	30,875	-2.7
1979	31,238	1.2
1980	31,019	-0.7
1981	31,355	1.1
1982	31,108	-0.8
1983	31,280	0.6
1984	31,334	0.2
1985	31,295	-0.1
1986	31,897	1.9
1987	32,365	1.5
1988	33,497	3.5
1989	34,325	2.5
1990	36,065	5.1
1991	37,530	4.1
1992	38,886	3.6
1993	39,800	2.4
1994	41,034	3.1
1995	41,747	1.7
1996	42,437	1.7
1997	42,539	0.2
1998	42,636	0.2
1999	41,101	-3.6
2000	41,369	0.7
2001	40,744	-1.5
2002	40,031	-1.7
2003	40,762	1.8
2004	42,122	3.3
2005	43,385	3.0
2006	45,620	5.2
2007	48,132	5.5
2008	48,776	1.3
2009	49,552	1.6
2010	48,028	-3.1

Table 1-1. Research doctorate recipients from U.S. colleges and universities: 1958–2025

(Number and percent)

Year	Doctorate recipients (number)	% change from previous year
2011	48,909	1.8
2012	50,943	4.2
2013	52,703	3.5
2014	53,986	2.4
2015	54,886	1.7
2016	54,809	-0.1
2017	54,550	-0.5
2018	55,077	1.0
2019	55,597	0.9
2020	55,200	-0.7
2021	52,158	-5.5
2022	57,435	10.1
2023	57,801	0.6
2024	58,013	0.4
2025	59,015	1.7

* = value between -0.05% and 0.05% and not equal to 0.0%.

Source(s):

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

Table 1-2. Research doctorate recipients, by trend broad field of doctorate and 2021 Carnegie Classification of doctorate institution: 2015–25

(Number)

Field and 2021 Carnegie Classification	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
All doctorate recipients	54,886	54,809	54,550	55,077	55,597	55,200	52,158	57,435	57,801	58,013	59,015
R1: doctoral universities - very high research	45,006	44,840	44,678	45,038	45,359	44,977	42,382	47,061	47,429	47,152	48,088
R2: doctoral universities - high research	6,012	6,063	6,131	6,073	6,179	6,186	5,768	6,058	6,190	6,354	6,261
Doctoral/ professional universities	1,747	1,870	1,756	1,908	1,821	1,967	1,997	1,930	1,800	2,019	2,039
Other universities	2,121	2,036	1,985	2,058	2,238	2,070	2,011	2,386	2,382	2,488	2,627
Science and engineering	41,247	41,306	41,364	42,144	42,896	42,561	40,818	45,390	45,489	45,833	46,876
R1: doctoral universities - very high research	34,307	34,343	34,530	35,017	35,545	35,280	33,844	37,839	37,962	37,982	38,877
R2: doctoral universities - high research	4,194	4,175	4,210	4,330	4,440	4,478	4,190	4,431	4,566	4,649	4,629
Doctoral/ professional universities	1,060	1,141	1,058	1,162	1,107	1,171	1,164	1,178	1,072	1,248	1,316
Other universities	1,686	1,647	1,566	1,635	1,804	1,632	1,620	1,942	1,889	1,954	2,054
Agricultural sciences and natural resources	1,490	1,428	1,543	1,499	1,538	1,531	1,412	1,509	1,477	1,472	1,538
R1: doctoral universities - very high research	1,328	1,258	1,375	1,349	1,392	1,353	1,259	1,340	1,332	1,301	1,381
R2: doctoral universities - high research	148	151	145	137	130	153	135	143	130	147	127
Doctoral/ professional universities	3	1	5	1	5	7	4	7	4	3	6
Other universities	11	18	18	12	11	18	14	19	11	21	24
Biological and biomedical sciences	8,783	8,863	8,567	8,782	8,678	8,403	8,131	9,205	9,565	9,672	9,850
R1: doctoral universities - very high research	6,905	7,048	6,889	6,958	6,855	6,743	6,460	7,325	7,645	7,757	7,853
R2: doctoral universities - high research	700	666	675	706	697	681	645	705	751	693	784
Doctoral/ professional universities	93	157	78	97	45	60	72	56	58	52	51
Other universities	1,085	992	925	1,021	1,081	919	954	1,119	1,111	1,170	1,162
Computer and information sciences	2,003	2,082	1,998	2,000	2,220	2,363	2,360	2,607	2,686	2,979	3,438
R1: doctoral universities - very high research	1,752	1,798	1,719	1,752	1,902	2,036	2,046	2,276	2,331	2,562	2,978
R2: doctoral universities - high research	207	242	230	197	274	277	271	276	281	328	330
Doctoral/ professional universities	18	14	15	25	10	6	6	10	35	27	59
Other universities	26	28	34	26	34	44	37	45	39	62	71
Engineering	9,875	9,459	9,774	10,164	10,298	10,468	10,230	11,516	11,398	11,154	11,536
R1: doctoral universities - very high research	8,850	8,478	8,760	8,971	9,126	9,279	9,048	10,205	10,100	9,912	10,305
R2: doctoral universities - high research	930	891	894	1,071	1,047	1,072	1,049	1,140	1,121	1,095	1,035
Doctoral/ professional universities	27	28	38	33	30	25	30	27	37	39	39
Other universities	68	62	82	89	95	92	103	144	140	108	157
Geosciences, atmospheric, and ocean sciences	1,057	1,227	1,169	1,185	1,272	1,241	1,064	1,181	1,231	1,229	1,227
R1: doctoral universities - very high research	958	1,084	1,027	1,070	1,126	1,096	933	1,046	1,086	1,108	1,085
R2: doctoral universities - high research	92	127	132	103	137	136	119	126	129	110	131
Doctoral/ professional universities	1	2	1	2	2	3	2	2	3	2	0
Other universities	6	14	9	10	7	6	10	7	13	9	11
Health sciences	2,220	2,248	2,443	2,473	2,532	2,606	2,249	2,471	2,433	2,504	2,487
R1: doctoral universities - very high research	1,537	1,557	1,705	1,750	1,749	1,828	1,538	1,686	1,657	1,687	1,675
R2: doctoral universities - high research	300	285	288	325	368	333	345	338	369	370	387

Table 1-2. Research doctorate recipients, by trend broad field of doctorate and 2021 Carnegie Classification of doctorate institution: 2015–25

(Number)

Field and 2021 Carnegie Classification	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Doctoral/ professional universities	208	213	258	231	232	271	208	238	204	230	187
Other universities	175	193	192	167	183	174	158	209	203	217	238
Mathematics and statistics	1,815	1,872	1,844	2,022	2,010	2,024	2,010	2,247	2,165	2,092	2,175
R1: doctoral universities - very high research	1,679	1,707	1,675	1,835	1,846	1,802	1,839	2,082	1,972	1,890	1,974
R2: doctoral universities - high research	121	157	160	175	154	212	156	140	176	187	183
Doctoral/ professional universities	2	2	1	5	2	5	9	9	10	11	9
Other universities	13	6	8	7	8	5	6	16	7	4	9
Physical sciences	4,859	5,024	4,913	5,144	5,306	5,000	4,710	5,466	5,456	5,388	5,362
R1: doctoral universities - very high research	4,376	4,539	4,461	4,634	4,805	4,487	4,285	4,969	4,961	4,848	4,854
R2: doctoral universities - high research	423	419	397	438	430	441	357	421	429	458	417
Doctoral/ professional universities	13	8	7	7	5	9	12	7	1	4	3
Other universities	47	58	48	65	66	63	56	69	65	78	88
Psychology	3,776	3,910	3,925	3,821	3,909	3,865	3,777	3,952	3,883	4,066	4,076
R1: doctoral universities - very high research	2,246	2,342	2,465	2,295	2,314	2,280	2,237	2,362	2,365	2,373	2,367
R2: doctoral universities - high research	737	767	731	719	716	697	656	696	685	756	728
Doctoral/ professional universities	597	589	531	611	608	630	648	636	592	722	771
Other universities	196	212	198	196	271	258	236	258	241	215	210
Social sciences	5,369	5,193	5,188	5,054	5,133	5,060	4,875	5,236	5,195	5,277	5,187
R1: doctoral universities - very high research	4,676	4,532	4,454	4,403	4,430	4,376	4,199	4,548	4,513	4,544	4,405
R2: doctoral universities - high research	536	470	558	459	487	476	457	446	495	505	507
Doctoral/ professional universities	98	127	124	150	168	155	173	186	128	158	191
Other universities	59	64	52	42	48	53	46	56	59	70	84
Non-science and engineering	13,639	13,503	13,186	12,933	12,701	12,639	11,340	12,045	12,312	12,180	12,139
R1: doctoral universities - very high research	10,699	10,497	10,148	10,021	9,814	9,697	8,538	9,222	9,467	9,170	9,211
R2: doctoral universities - high research	1,818	1,888	1,921	1,743	1,739	1,708	1,578	1,627	1,624	1,705	1,632
Doctoral/ professional universities	687	729	698	746	714	796	833	752	728	771	723
Other universities	435	389	419	423	434	438	391	444	493	534	573
Business	1,582	1,509	1,566	1,473	1,528	1,466	1,389	1,447	1,557	1,399	1,398
R1: doctoral universities - very high research	1,239	1,184	1,145	1,096	1,146	1,118	1,018	1,135	1,265	1,069	1,065
R2: doctoral universities - high research	147	163	194	165	164	172	171	160	160	159	170
Doctoral/ professional universities	169	129	193	181	173	145	173	134	105	127	114
Other universities	27	33	34	31	45	31	27	18	27	44	49
Education	5,098	5,146	4,825	4,817	4,628	4,712	4,239	4,470	4,553	4,521	4,610
R1: doctoral universities - very high research	3,569	3,573	3,378	3,372	3,229	3,284	2,892	3,142	3,160	3,032	3,144
R2: doctoral universities - high research	1,087	1,074	1,066	989	994	953	887	879	894	972	908
Doctoral/ professional universities	372	421	317	375	328	400	396	371	388	361	398
Other universities	70	78	64	81	77	75	64	78	111	156	160
Humanities and arts	5,522	5,416	5,209	5,139	5,051	4,924	4,132	4,456	4,452	4,490	4,418

Table 1-2. Research doctorate recipients, by trend broad field of doctorate and 2021 Carnegie Classification of doctorate institution: 2015–25

(Number)

Field and 2021 Carnegie Classification	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
R1: doctoral universities - very high research	4,684	4,562	4,362	4,342	4,273	4,108	3,436	3,703	3,712	3,788	3,669
R2: doctoral universities - high research	450	513	487	437	406	430	342	368	368	356	376
Doctoral/ professional universities	80	103	71	81	80	86	85	86	65	76	66
Other universities	308	238	289	279	292	300	269	299	307	270	307
Other non-science and engineering	1,437	1,432	1,586	1,504	1,494	1,537	1,580	1,672	1,750	1,770	1,713
R1: doctoral universities - very high research	1,207	1,178	1,263	1,211	1,166	1,187	1,192	1,242	1,330	1,281	1,333
R2: doctoral universities - high research	134	138	174	152	175	153	178	220	202	218	178
Doctoral/ professional universities	66	76	117	109	133	165	179	161	170	207	145
Other universities	30	40	32	32	20	32	31	49	48	64	57

Note(s):
Carnegie classification is based on the 2021 Carnegie Classifications: doctoral universities - very high research (R1), doctoral universities - high research (R2), doctoral/professional universities, and other universities, which includes all other Carnegie classifications (e.g., special focus institutions) and institutions without Carnegie classifications. The survey data collection for the field of study changed in 2021, which may affect the data comparison across years. This table uses a trend field taxonomy that facilitates trend comparisons with prior years (see [table A-5](#)). 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.

Table 1-3. Research doctorate recipients, by trend major field of doctorate: Selected years, 1975–2025

(Number and percent)

Field of doctorate	1975		1980		1985		1990		1995		2000		2005		2010		2015		2020		2025	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All fields	32,952	100.0	31,019	100.0	31,295	100.0	36,065	100.0	41,747	100.0	41,369	100.0	43,385	100.0	48,028	100.0	54,886	100.0	55,200	100.0	59,015	100.0
Science and engineering	19,237	58.4	18,190	58.6	19,527	62.4	23,715	65.8	27,704	66.4	27,420	66.3	29,621	68.3	35,043	73.0	41,247	75.2	42,561	77.1	46,876	79.4
Agricultural sciences and natural resources	1,169	3.5	1,153	3.7	1,351	4.3	1,441	4.0	1,348	3.2	1,229	3.0	1,207	2.8	1,157	2.4	1,490	2.7	1,531	2.8	1,538	2.6
Agricultural sciences	935	2.8	957	3.1	1,125	3.6	1,149	3.2	993	2.4	903	2.2	817	1.9	741	1.5	903	1.6	1,013	1.8	1,027	1.7
Natural resources and conservation	234	0.7	196	0.6	226	0.7	292	0.8	355	0.9	326	0.8	390	0.9	416	0.9	587	1.1	518	0.9	511	0.9
Biological and biomedical sciences	3,497	10.6	3,803	12.3	3,869	12.4	4,430	12.3	5,529	13.2	6,044	14.6	6,638	15.3	8,370	17.4	8,783	16.0	8,403	15.2	9,850	16.7
Biochemistry and biophysics	732	2.2	781	2.5	650	2.1	781	2.2	979	2.3	940	2.3	837	1.9	1,032	2.1	930	1.7	859	1.6	970	1.6
Biology and biomedical sciences, general	185	0.6	209	0.7	190	0.6	333	0.9	441	1.1	354	0.9	438	1.0	471	1.0	674	1.2	1,056	1.9	1,247	2.1
Bioinformatics, biostatistics, and computational biology	37	0.1	42	0.1	40	0.1	47	0.1	67	0.2	92	0.2	129	0.3	319	0.7	452	0.8	600	1.1	838	1.4
Cellular and developmental biology, and anatomy	187	0.6	209	0.7	250	0.8	237	0.7	364	0.9	488	1.2	502	1.2	632	1.3	596	1.1	364	0.7	210	0.4
Ecology, evolutionary biology, and epidemiology	142	0.4	169	0.5	276	0.9	268	0.7	356	0.9	488	1.2	640	1.5	969	2.0	1,041	1.9	952	1.7	1,042	1.8
Genetics and genomics	156	0.5	157	0.5	105	0.3	153	0.4	202	0.5	227	0.5	285	0.7	383	0.8	358	0.7	347	0.6	472	0.8
Microbiology and immunology	452	1.4	512	1.7	451	1.4	516	1.4	643	1.5	655	1.6	808	1.9	1,137	2.4	1,168	2.1	1,001	1.8	1,136	1.9
Molecular biology	156	0.5	183	0.6	277	0.9	413	1.1	617	1.5	706	1.7	724	1.7	697	1.5	632	1.2	575	1.0	931	1.6
Neurobiology and neurosciences	na	na	na	na	156	0.5	192	0.5	308	0.7	495	1.2	690	1.6	954	2.0	1,089	2.0	972	1.8	1,232	2.1
Pharmacology and toxicology	166	0.5	257	0.8	334	1.1	335	0.9	404	1.0	390	0.9	459	1.1	428	0.9	381	0.7	325	0.6	393	0.7
Physiology, pathology, and cancer biology	399	1.2	448	1.4	372	1.2	403	1.1	391	0.9	367	0.9	330	0.8	660	1.4	774	1.4	571	1.0	625	1.1
Biology and biomedical sciences, other	885	2.7	836	2.7	768	2.5	752	2.1	757	1.8	842	2.0	796	1.8	688	1.4	688	1.3	781	1.4	754	1.3
Computer and information sciences	na	na	218	0.7	310	1.0	705	2.0	997	2.4	860	2.1	1,129	2.6	1,633	3.4	2,003	3.6	2,363	4.3	3,438	5.8
Computer science	na	na	218	0.7	249	0.8	612	1.7	913	2.2	723	1.7	952	2.2	1,356	2.8	1,658	3.0	1,953	3.5	2,566	4.3
Computer and information sciences, other	na	na	na	na	61	0.2	93	0.3	84	0.2	137	0.3	177	0.4	277	0.6	345	0.6	410	0.7	872	1.5
Engineering	3,002	9.1	2,479	8.0	3,166	10.1	4,894	13.6	6,008	14.4	5,323	12.9	6,426	14.8	7,578	15.8	9,875	18.0	10,468	19.0	11,536	19.5
Aerospace, aeronautical, and astronautical engineering	141	0.4	81	0.3	124	0.4	192	0.5	252	0.6	214	0.5	219	0.5	252	0.5	361	0.7	399	0.7	629	1.1
Bioengineering and biomedical engineering	76	0.2	68	0.2	69	0.2	129	0.4	189	0.5	251	0.6	417	1.0	824	1.7	1,125	2.0	1,082	2.0	1,380	2.3
Chemical and petroleum engineering	387	1.2	316	1.0	504	1.6	658	1.8	708	1.7	726	1.8	875	2.0	930	1.9	1,186	2.2	1,191	2.2	1,290	2.2
Civil, environmental, and transportation engineering	361	1.1	306	1.0	391	1.2	553	1.5	656	1.6	556	1.3	758	1.7	821	1.7	1,213	2.2	1,305	2.4	1,360	2.3
Electrical and computer engineering	714	2.2	540	1.7	716	2.3	1,276	3.5	1,731	4.1	1,544	3.7	1,851	4.3	2,167	4.5	2,437	4.4	2,461	4.5	2,654	4.5
Industrial engineering and operations research	260	0.8	201	0.6	203	0.6	248	0.7	379	0.9	261	0.6	366	0.8	368	0.8	436	0.8	567	1.0	618	1.0
Materials and mining engineering	279	0.8	277	0.9	319	1.0	479	1.3	607	1.5	462	1.1	552	1.3	699	1.5	905	1.6	901	1.6	1,066	1.8
Mechanical engineering	325	1.0	293	0.9	424	1.4	773	2.1	917	2.2	807	2.0	892	2.1	1,014	2.1	1,548	2.8	1,777	3.2	1,683	2.9
Engineering, other	459	1.4	397	1.3	416	1.3	586	1.6	569	1.4	502	1.2	496	1.1	503	1.0	664	1.2	785	1.4	856	1.5
Geosciences, atmospheric, and ocean sciences	557	1.7	588	1.9	575	1.8	719	2.0	726	1.7	693	1.7	714	1.6	862	1.8	1,057	1.9	1,241	2.2	1,227	2.1
Geological sciences	408	1.2	361	1.2	368	1.2	464	1.3	430	1.0	344	0.8	379	0.9	463	1.0	554	1.0	673	1.2	591	1.0
Ocean, marine, and atmospheric sciences	149	0.5	227	0.7	207	0.7	255	0.7	296	0.7	349	0.8	335	0.8	399	0.8	503	0.9	568	1.0	636	1.1
Health sciences	437	1.3	545	1.8	602	1.9	784	2.2	1,121	2.7	1,349	3.3	1,465	3.4	1,792	3.7	2,220	4.0	2,606	4.7	2,487	4.2
Nursing science	na	na	77	0.2	183	0.6	261	0.7	354	0.8	415	1.0	421	1.0	482	1.0	536	1.0	590	1.1	562	1.0
Pharmaceutical sciences	69	0.2	70	0.2	106	0.3	116	0.3	144	0.3	164	0.4	168	0.4	274	0.6	270	0.5	382	0.7	339	0.6

Table 1-3. Research doctorate recipients, by trend major field of doctorate: Selected years, 1975–2025

(Number and percent)

Field of doctorate	1975		1980		1985		1990		1995		2000		2005		2010		2015		2020		2025	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Public health	130	0.4	168	0.5	134	0.4	161	0.4	203	0.5	259	0.6	321	0.7	361	0.8	641	1.2	714	1.3	728	1.2
Health sciences, other	238	0.7	230	0.7	179	0.6	246	0.7	420	1.0	511	1.2	555	1.3	675	1.4	773	1.4	920	1.7	858	1.5
Mathematics and statistics	1,147	3.5	744	2.4	688	2.2	892	2.5	1,190	2.9	1,050	2.5	1,205	2.8	1,590	3.3	1,815	3.3	2,024	3.7	2,175	3.7
Applied mathematics	101	0.3	102	0.3	116	0.4	185	0.5	211	0.5	238	0.6	292	0.7	401	0.8	435	0.8	419	0.8	430	0.7
Mathematics	657	2.0	326	1.1	271	0.9	278	0.8	361	0.9	348	0.8	459	1.1	590	1.2	635	1.2	378	0.7	208	0.4
Statistics	174	0.5	151	0.5	150	0.5	157	0.4	205	0.5	195	0.5	267	0.6	327	0.7	381	0.7	402	0.7	557	0.9
Mathematics and statistics, other	215	0.7	165	0.5	151	0.5	272	0.8	413	1.0	269	0.7	187	0.4	272	0.6	364	0.7	825	1.5	980	1.7
Physical sciences	3,076	9.3	2,521	8.1	2,916	9.3	3,493	9.7	3,814	9.1	3,378	8.2	3,645	8.4	4,133	8.6	4,859	8.9	5,000	9.1	5,362	9.1
Astronomy and astrophysics	131	0.4	121	0.4	100	0.3	128	0.4	173	0.4	185	0.4	186	0.4	266	0.6	269	0.5	305	0.6	600	1.0
Chemistry	1,776	5.4	1,538	5.0	1,836	5.9	2,100	5.8	2,162	5.2	1,989	4.8	2,126	4.9	2,304	4.8	2,666	4.9	2,761	5.0	2,850	4.8
Physics	1,169	3.5	862	2.8	980	3.1	1,265	3.5	1,479	3.5	1,204	2.9	1,333	3.1	1,563	3.3	1,924	3.5	1,934	3.5	1,912	3.2
Psychology	2,751	8.3	3,098	10.0	3,117	10.0	3,281	9.1	3,429	8.2	3,616	8.7	3,322	7.7	3,420	7.1	3,776	6.9	3,865	7.0	4,076	6.9
Clinical psychology	810	2.5	1,106	3.6	1,181	3.8	1,336	3.7	1,290	3.1	1,353	3.3	1,155	2.7	1,151	2.4	1,173	2.1	1,277	2.3	1,193	2.0
Counseling and applied psychology	531	1.6	678	2.2	751	2.4	772	2.1	848	2.0	913	2.2	867	2.0	837	1.7	1,034	1.9	980	1.8	1,030	1.7
Research and experimental psychology	990	3.0	884	2.8	720	2.3	620	1.7	697	1.7	824	2.0	801	1.8	903	1.9	974	1.8	880	1.6	1,036	1.8
Psychology, other	420	1.3	430	1.4	465	1.5	553	1.5	594	1.4	526	1.3	499	1.2	529	1.1	595	1.1	728	1.3	817	1.4
Social sciences	3,601	10.9	3,041	9.8	2,933	9.4	3,076	8.5	3,542	8.5	3,878	9.4	3,870	8.9	4,508	9.4	5,369	9.8	5,060	9.2	5,187	8.8
Anthropology	386	1.2	370	1.2	353	1.1	324	0.9	375	0.9	446	1.1	456	1.1	507	1.1	492	0.9	447	0.8	452	0.8
Economics	895	2.7	767	2.5	811	2.6	862	2.4	979	2.3	948	2.3	1,061	2.4	1,073	2.2	1,255	2.3	1,212	2.2	1,278	2.2
Political science and government	749	2.3	505	1.6	406	1.3	462	1.3	599	1.4	669	1.6	618	1.4	728	1.5	859	1.6	636	1.2	634	1.1
Public policy analysis	na	na	na	na	70	0.2	87	0.2	94	0.2	137	0.3	161	0.4	244	0.5	374	0.7	306	0.6	336	0.6
Sociology, demography, and population studies	680	2.1	600	1.9	486	1.6	448	1.2	555	1.3	637	1.5	556	1.3	652	1.4	762	1.4	630	1.1	588	1.0
Social sciences, other	891	2.7	799	2.6	807	2.6	893	2.5	940	2.3	1,041	2.5	1,018	2.3	1,304	2.7	1,627	3.0	1,829	3.3	1,899	3.2
Non-science and engineering	13,715	41.6	12,829	41.4	11,768	37.6	12,350	34.2	14,043	33.6	13,949	33.7	13,764	31.7	12,985	27.0	13,639	24.8	12,639	22.9	12,139	20.6
Business	787	2.4	640	2.1	789	2.5	1,036	2.9	1,330	3.2	1,065	2.6	1,171	2.7	1,366	2.8	1,582	2.9	1,466	2.7	1,398	2.4
Education	7,360	22.3	7,586	24.5	6,733	21.5	6,509	18.0	6,648	15.9	6,442	15.6	6,227	14.4	5,287	11.0	5,098	9.3	4,712	8.5	4,610	7.8
Education leadership and administration	1,508	4.6	1,536	5.0	1,625	5.2	1,664	4.6	1,974	4.7	2,036	4.9	2,167	5.0	1,439	3.0	920	1.7	929	1.7	816	1.4
Education research	3,375	10.2	3,317	10.7	2,925	9.3	2,439	6.8	2,576	6.2	2,667	6.4	2,674	6.2	2,443	5.1	2,772	5.1	2,308	4.2	2,212	3.7
Teacher education and teaching fields	1,987	6.0	2,110	6.8	1,581	5.1	1,341	3.7	1,314	3.1	1,085	2.6	926	2.1	1,044	2.2	1,109	2.0	1,051	1.9	1,080	1.8
Education, other	490	1.5	623	2.0	602	1.9	1,065	3.0	784	1.9	654	1.6	460	1.1	361	0.8	297	0.5	424	0.8	502	0.9
Humanities and arts	4,938	15.0	3,782	12.2	3,383	10.8	3,828	10.6	4,999	12.0	5,420	13.1	5,144	11.9	4,969	10.3	5,522	10.1	4,924	8.9	4,418	7.5
Letters	1,485	4.5	1,177	3.8	983	3.1	1,060	2.9	1,548	3.7	1,612	3.9	1,389	3.2	1,516	3.2	1,583	2.9	1,389	2.5	1,230	2.1
Foreign languages and literature	826	2.5	535	1.7	435	1.4	512	1.4	639	1.5	642	1.6	607	1.4	601	1.3	656	1.2	564	1.0	429	0.7
History	1,156	3.5	724	2.3	520	1.7	586	1.6	848	2.0	1,019	2.5	881	2.0	959	2.0	1,074	2.0	884	1.6	809	1.4
Philosophy and religious studies	565	1.7	428	1.4	419	1.3	462	1.3	546	1.3	712	1.7	725	1.7	713	1.5	804	1.5	667	1.2	619	1.0
Music and performing arts	381	1.2	495	1.6	539	1.7	678	1.9	793	1.9	828	2.0	995	2.3	520	1.1	529	1.0	559	1.0	473	0.8
Humanities and arts, other	525	1.6	423	1.4	487	1.6	530	1.5	625	1.5	607	1.5	547	1.3	660	1.4	876	1.6	861	1.6	858	1.5

Table 1-3. Research doctorate recipients, by trend major field of doctorate: Selected years, 1975–2025

(Number and percent)

Field of doctorate	1975		1980		1985		1990		1995		2000		2005		2010		2015		2020		2025	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Other non-science and engineering	630	1.9	821	2.6	863	2.8	977	2.7	1,066	2.6	1,022	2.5	1,222	2.8	1,363	2.8	1,437	2.6	1,537	2.8	1,713	2.9
Communication	264	0.8	270	0.9	266	0.8	323	0.9	381	0.9	389	0.9	488	1.1	638	1.3	667	1.2	591	1.1	591	1.0
Public administration and social services	135	0.4	324	1.0	332	1.1	334	0.9	431	1.0	361	0.9	427	1.0	434	0.9	428	0.8	530	1.0	550	0.9
Non-science and engineering, other	231	0.7	227	0.7	265	0.8	320	0.9	254	0.6	272	0.7	307	0.7	291	0.6	342	0.6	416	0.8	572	1.0

na = not applicable; data were not collected at this level of detail.

Note(s):
Due to rounding, percentages may not sum to 100. The survey data collection for the field of study changed in 2021, which may affect the data comparison across years. This table uses a trend field taxonomy that facilitates trend comparisons with prior years (see [table A-5](#)). 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.

Table 1-4. Research doctorate recipients, by trend broad field of doctorate and sex: Selected years, 1975–2025

(Number and percent)

Field and sex	1975		1980		1985		1990		1995		2000		2005		2010		2015		2020		2025	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All fields ^a	32,952	100.0	31,019	100.0	31,295	100.0	36,065	100.0	41,747	100.0	41,369	100.0	43,385	100.0	48,028	100.0	54,886	100.0	55,200	100.0	59,015	100.0
Male	25,751	78.1	21,612	69.7	20,552	65.7	22,960	63.7	25,160	60.3	23,165	56.0	23,737	54.7	25,524	53.1	29,532	53.8	29,844	54.1	30,214	51.2
Female	7,201	21.9	9,407	30.3	10,743	34.3	13,104	36.3	16,416	39.3	18,131	43.8	19,582	45.1	22,488	46.8	25,347	46.2	25,350	45.9	28,801	48.8
Science and engineering	19,237	100.0	18,190	100.0	19,527	100.0	23,715	100.0	27,704	100.0	27,420	100.0	29,621	100.0	35,043	100.0	41,247	100.0	42,561	100.0	46,876	100.0
Male	16,174	84.1	14,022	77.1	14,233	72.9	16,787	70.8	18,498	66.8	16,970	61.9	17,896	60.4	20,102	57.4	23,741	57.6	24,467	57.5	25,494	54.4
Female	3,063	15.9	4,168	22.9	5,294	27.1	6,928	29.2	9,068	32.7	10,393	37.9	11,681	39.4	14,931	42.6	17,501	42.4	18,089	42.5	21,382	45.6
Agricultural sciences and natural resources	1,169	100.0	1,153	100.0	1,351	100.0	1,441	100.0	1,348	100.0	1,229	100.0	1,207	100.0	1,157	100.0	1,490	100.0	1,531	100.0	1,538	100.0
Male	1,113	95.2	1,031	89.4	1,136	84.1	1,132	78.6	1,026	76.1	851	69.2	768	63.6	633	54.7	766	51.4	768	50.2	710	46.2
Female	56	4.8	122	10.6	215	15.9	309	21.4	316	23.4	376	30.6	436	36.1	523	45.2	724	48.6	762	49.8	828	53.8
Biological and biomedical sciences	3,497	100.0	3,803	100.0	3,869	100.0	4,430	100.0	5,529	100.0	6,044	100.0	6,638	100.0	8,370	100.0	8,783	100.0	8,403	100.0	9,850	100.0
Male	2,691	77.0	2,750	72.3	2,583	66.8	2,755	62.2	3,197	57.8	3,284	54.3	3,351	50.5	3,916	46.8	4,100	46.7	3,883	46.2	4,213	42.8
Female	806	23.0	1,053	27.7	1,286	33.2	1,675	37.8	2,305	41.7	2,754	45.6	3,279	49.4	4,450	53.2	4,682	53.3	4,520	53.8	5,637	57.2
Computer and information sciences	na	na	218	100.0	310	100.0	705	100.0	997	100.0	860	100.0	1,129	100.0	1,633	100.0	2,003	100.0	2,363	100.0	3,438	100.0
Male	na	na	197	90.4	277	89.4	595	84.4	808	81.0	717	83.4	905	80.2	1,286	78.8	1,581	78.9	1,861	78.8	2,528	73.5
Female	na	na	21	9.6	33	10.6	110	15.6	186	18.7	141	16.4	221	19.6	347	21.2	422	21.1	502	21.2	910	26.5
Engineering	3,002	100.0	2,479	100.0	3,166	100.0	4,894	100.0	6,008	100.0	5,323	100.0	6,426	100.0	7,578	100.0	9,875	100.0	10,468	100.0	11,536	100.0
Male	2,950	98.3	2,389	96.4	2,968	93.7	4,479	91.5	5,270	87.7	4,459	83.8	5,226	81.3	5,829	76.9	7,578	76.7	7,875	75.2	8,244	71.5
Female	52	1.7	90	3.6	198	6.3	415	8.5	696	11.6	838	15.7	1,182	18.4	1,746	23.0	2,297	23.3	2,591	24.8	3,292	28.5
Geosciences, atmospheric, and ocean sciences	557	100.0	588	100.0	575	100.0	719	100.0	726	100.0	693	100.0	714	100.0	862	100.0	1,057	100.0	1,241	100.0	1,227	100.0
Male	535	96.1	530	90.1	470	81.7	581	80.8	577	79.5	495	71.4	470	65.8	496	57.5	600	56.8	736	59.3	637	51.9
Female	22	3.9	58	9.9	105	18.3	138	19.2	147	20.2	195	28.1	244	34.2	366	42.5	457	43.2	505	40.7	590	48.1
Health sciences	437	100.0	545	100.0	602	100.0	784	100.0	1,121	100.0	1,349	100.0	1,465	100.0	1,792	100.0	2,220	100.0	2,606	100.0	2,487	100.0
Male	296	67.7	300	55.0	227	37.7	276	35.2	375	33.5	433	32.1	442	30.2	552	30.8	697	31.4	891	34.2	766	30.8
Female	141	32.3	245	45.0	375	62.3	508	64.8	737	65.7	913	67.7	1,020	69.6	1,240	69.2	1,523	68.6	1,715	65.8	1,721	69.2
Mathematics and statistics	1,147	100.0	744	100.0	688	100.0	892	100.0	1,190	100.0	1,050	100.0	1,205	100.0	1,590	100.0	1,815	100.0	2,024	100.0	2,175	100.0
Male	1,038	90.5	649	87.2	582	84.6	734	82.3	919	77.2	790	75.2	877	72.8	1,123	70.6	1,296	71.4	1,434	70.8	1,500	69.0
Female	109	9.5	95	12.8	106	15.4	158	17.7	265	22.3	259	24.7	326	27.1	467	29.4	517	28.5	590	29.2	675	31.0
Physical sciences	3,076	100.0	2,521	100.0	2,916	100.0	3,493	100.0	3,814	100.0	3,378	100.0	3,645	100.0	4,133	100.0	4,859	100.0	5,000	100.0	5,362	100.0
Male	2,812	91.4	2,199	87.2	2,452	84.1	2,840	81.3	2,922	76.6	2,546	75.4	2,671	73.3	2,883	69.8	3,328	68.5	3,437	68.7	3,484	65.0
Female	264	8.6	322	12.8	464	15.9	653	18.7	873	22.9	827	24.5	972	26.7	1,249	30.2	1,530	31.5	1,561	31.2	1,878	35.0
Psychology	2,751	100.0	3,098	100.0	3,117	100.0	3,281	100.0	3,429	100.0	3,616	100.0	3,322	100.0	3,420	100.0	3,776	100.0	3,865	100.0	4,076	100.0
Male	1,878	68.3	1,787	57.7	1,576	50.6	1,368	41.7	1,245	36.3	1,203	33.3	1,058	31.8	1,031	30.1	1,057	28.0	1,079	27.9	982	24.1
Female	873	31.7	1,311	42.3	1,541	49.4	1,913	58.3	2,181	63.6	2,410	66.6	2,263	68.1	2,389	69.9	2,719	72.0	2,786	72.1	3,094	75.9
Social sciences	3,601	100.0	3,041	100.0	2,933	100.0	3,076	100.0	3,542	100.0	3,878	100.0	3,870	100.0	4,508	100.0	5,369	100.0	5,060	100.0	5,187	100.0
Male	2,861	79.5	2,190	72.0	1,962	66.9	2,027	65.9	2,159	61.0	2,192	56.5	2,128	55.0	2,353	52.2	2,738	51.0	2,503	49.5	2,430	46.8
Female	740	20.5	851	28.0	971	33.1	1,049	34.1	1,362	38.5	1,680	43.3	1,738	44.9	2,154	47.8	2,630	49.0	2,557	50.5	2,757	53.2
Non-science and engineering	13,715	100.0	12,829	100.0	11,768	100.0	12,350	100.0	14,043	100.0	13,949	100.0	13,764	100.0	12,985	100.0	13,639	100.0	12,639	100.0	12,139	100.0

Table 1-4. Research doctorate recipients, by trend broad field of doctorate and sex: Selected years, 1975–2025

(Number and percent)

Field and sex	1975		1980		1985		1990		1995		2000		2005		2010		2015		2020		2025	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Male	9,577	69.8	7,590	59.2	6,319	53.7	6,173	50.0	6,662	47.4	6,195	44.4	5,841	42.4	5,422	41.8	5,791	42.5	5,377	42.5	4,720	38.9
Female	4,138	30.2	5,239	40.8	5,449	46.3	6,176	50.0	7,348	52.3	7,738	55.5	7,901	57.4	7,557	58.2	7,846	57.5	7,261	57.4	7,419	61.1
Business	787	100.0	640	100.0	789	100.0	1,036	100.0	1,330	100.0	1,065	100.0	1,171	100.0	1,366	100.0	1,582	100.0	1,466	100.0	1,398	100.0
Male	759	96.4	548	85.6	646	81.9	771	74.4	945	71.1	721	67.7	696	59.4	814	59.6	934	59.0	850	58.0	789	56.4
Female	28	3.6	92	14.4	143	18.1	265	25.6	378	28.4	337	31.6	471	40.2	550	40.3	648	41.0	616	42.0	609	43.6
Education	7,360	100.0	7,586	100.0	6,733	100.0	6,509	100.0	6,648	100.0	6,442	100.0	6,227	100.0	5,287	100.0	5,098	100.0	4,712	100.0	4,610	100.0
Male	5,065	68.8	4,203	55.4	3,242	48.2	2,758	42.4	2,546	38.3	2,260	35.1	2,065	33.2	1,661	31.4	1,605	31.5	1,457	30.9	1,183	25.7
Female	2,295	31.2	3,383	44.6	3,491	51.8	3,751	57.6	4,092	61.6	4,179	64.9	4,152	66.7	3,624	68.5	3,492	68.5	3,254	69.1	3,427	74.3
Humanities and arts	4,938	100.0	3,782	100.0	3,383	100.0	3,828	100.0	4,999	100.0	5,420	100.0	5,144	100.0	4,969	100.0	5,522	100.0	4,924	100.0	4,418	100.0
Male	3,329	67.4	2,354	62.2	1,993	58.9	2,171	56.7	2,671	53.4	2,761	50.9	2,573	50.0	2,435	49.0	2,725	49.3	2,506	50.9	2,116	47.9
Female	1,609	32.6	1,428	37.8	1,390	41.1	1,657	43.3	2,322	46.4	2,655	49.0	2,565	49.9	2,533	51.0	2,796	50.6	2,418	49.1	2,302	52.1
Other non-science and engineering	630	100.0	821	100.0	863	100.0	977	100.0	1,066	100.0	1,022	100.0	1,222	100.0	1,363	100.0	1,437	100.0	1,537	100.0	1,713	100.0
Male	424	67.3	485	59.1	438	50.8	473	48.4	500	46.9	453	44.3	507	41.5	512	37.6	527	36.7	564	36.7	632	36.9
Female	206	32.7	336	40.9	425	49.2	503	51.5	556	52.2	567	55.5	713	58.3	850	62.4	910	63.3	973	63.3	1,081	63.1

na = not applicable; data were not collected at this level of detail.

^a Field counts include doctorate recipients who did not report sex.

Note(s):
Due to rounding or doctorate recipients who did not report sex, percentages may not sum to 100. The survey data collection for the field of study changed in 2021, which may affect the data comparison across years. This table uses a trend field taxonomy that facilitates trend comparisons with prior years (see [table A-5](#)). 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.

Table 1-5. Research doctorate recipients, by trend major field of doctorate and sex: 2015–25

(Number)

Field and sex	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	% change 2015–25
All doctorate recipients ^a	54,886	54,809	54,550	55,077	55,597	55,200	52,158	57,435	57,801	58,013	59,015	7.5
Science and engineering	41,247	41,306	41,364	42,144	42,896	42,561	40,818	45,390	45,489	45,833	46,876	13.6
Agricultural sciences and natural resources	1,490	1,428	1,543	1,499	1,538	1,531	1,412	1,509	1,477	1,472	1,538	3.2
Agricultural sciences	903	851	969	960	1,002	1,013	956	1,001	1,007	988	1,027	13.7
Natural resources and conservation	587	577	574	539	536	518	456	508	470	484	511	-12.9
Biological and biomedical sciences	8,783	8,863	8,567	8,782	8,678	8,403	8,131	9,205	9,565	9,672	9,850	12.1
Biochemistry and biophysics	930	997	999	963	966	859	797	925	893	924	970	4.3
Biology and biomedical sciences, general	674	1,100	808	888	914	1,056	978	1,233	1,325	1,316	1,247	85.0
Bioinformatics, biostatistics, and computational biology	452	525	549	580	647	600	622	763	793	802	838	85.4
Cellular and developmental biology, and anatomy	596	488	427	427	412	364	220	217	224	219	210	-64.8
Ecology, evolutionary biology, and epidemiology	1,041	1,025	1,017	1,059	1,033	952	947	1,080	1,117	1,129	1,042	0.1
Genetics and genomics	358	338	344	363	341	347	375	415	458	451	472	31.8
Microbiology and immunology	1,168	1,042	976	1,042	1,009	1,001	972	1,088	1,092	1,091	1,136	-2.7
Molecular biology	632	549	634	596	555	575	740	796	849	869	931	47.3
Neurobiology and neurosciences	1,089	997	984	1,033	1,033	972	911	1,045	1,087	1,121	1,232	13.1
Pharmacology and toxicology	381	337	371	361	350	325	311	386	408	376	393	3.1
Physiology, pathology, and cancer biology	774	686	683	690	637	571	562	582	607	631	625	-19.3
Biology and biomedical sciences, other	688	779	775	780	781	781	696	675	712	743	754	9.6
Computer and information sciences	2,003	2,082	1,998	2,000	2,220	2,363	2,360	2,607	2,686	2,979	3,438	71.6
Computer science	1,658	1,650	1,592	1,628	1,814	1,953	1,808	1,822	1,937	2,191	2,566	54.8
Computer and information sciences, other	345	432	406	372	406	410	552	785	749	788	872	152.8
Engineering	9,875	9,459	9,774	10,164	10,298	10,468	10,230	11,516	11,398	11,154	11,536	16.8
Aerospace, aeronautical, and astronautical engineering	361	370	380	383	379	399	372	586	586	597	629	74.2
Bioengineering and biomedical engineering	1,125	1,089	1,032	1,133	1,163	1,082	1,063	1,227	1,301	1,281	1,380	22.7
Chemical and petroleum engineering	1,186	1,080	1,106	1,168	1,194	1,191	1,204	1,259	1,245	1,244	1,290	8.8
Civil, environmental, and transportation engineering	1,213	1,087	1,216	1,178	1,317	1,305	1,177	1,390	1,366	1,328	1,360	12.1
Electrical and computer engineering	2,437	2,243	2,319	2,393	2,260	2,461	2,510	2,721	2,653	2,575	2,654	8.9
Industrial engineering and operations research	436	499	485	492	505	567	580	612	577	584	618	41.7
Materials and mining engineering	905	1,015	962	1,018	1,016	901	950	1,161	1,159	1,085	1,066	17.8
Mechanical engineering	1,548	1,417	1,496	1,610	1,677	1,777	1,584	1,649	1,653	1,620	1,683	8.7
Engineering, other	664	659	778	789	787	785	790	911	858	840	856	28.9
Geosciences, atmospheric, and ocean sciences	1,057	1,227	1,169	1,185	1,272	1,241	1,064	1,181	1,231	1,229	1,227	16.1
Geological sciences	554	618	572	591	621	673	543	576	592	608	591	6.7
Ocean, marine, and atmospheric sciences	503	609	597	594	651	568	521	605	639	621	636	26.4
Health sciences	2,220	2,248	2,443	2,473	2,532	2,606	2,249	2,471	2,433	2,504	2,487	12.0
Nursing science	536	482	552	584	546	590	513	536	554	496	562	4.9
Pharmaceutical sciences	270	274	292	344	358	382	329	369	358	370	339	25.6
Public health	641	694	769	702	768	714	615	713	683	728	728	13.6

Table 1-5. Research doctorate recipients, by trend major field of doctorate and sex: 2015–25

(Number)

Field and sex	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	% change 2015–25
Health sciences, other	773	798	830	843	860	920	792	853	838	910	858	11.0
Mathematics and statistics	1,815	1,872	1,844	2,022	2,010	2,024	2,010	2,247	2,165	2,092	2,175	19.8
Applied mathematics	435	474	493	455	427	419	426	460	458	416	430	-1.1
Mathematics	635	350	392	524	445	378	235	226	231	226	208	-67.2
Statistics	381	265	368	412	365	402	488	596	574	537	557	46.2
Mathematics and statistics, other	364	783	591	631	773	825	861	965	902	913	980	169.2
Physical sciences	4,859	5,024	4,913	5,144	5,306	5,000	4,710	5,466	5,456	5,388	5,362	10.4
Astronomy and astrophysics	269	315	339	351	361	305	456	521	603	576	600	123.0
Chemistry	2,666	2,703	2,699	2,807	2,939	2,761	2,552	3,060	2,997	3,022	2,850	6.9
Physics	1,924	2,006	1,875	1,986	2,006	1,934	1,702	1,885	1,856	1,790	1,912	-0.6
Psychology	3,776	3,910	3,925	3,821	3,909	3,865	3,777	3,952	3,883	4,066	4,076	7.9
Clinical psychology	1,173	1,207	1,193	1,260	1,249	1,277	1,241	1,135	1,201	1,165	1,193	1.7
Counseling and applied psychology	1,034	1,001	1,019	1,003	978	980	1,029	1,072	998	1,145	1,030	-0.4
Research and experimental psychology	974	1,066	1,034	952	1,042	880	834	1,066	1,001	1,013	1,036	6.4
Psychology, other	595	636	679	606	640	728	673	679	683	743	817	37.3
Social sciences	5,369	5,193	5,188	5,054	5,133	5,060	4,875	5,236	5,195	5,277	5,187	-3.4
Anthropology	492	460	446	424	445	447	399	415	389	407	452	-8.1
Economics	1,255	1,236	1,239	1,244	1,247	1,212	1,229	1,287	1,289	1,284	1,278	1.8
Political science and government	859	745	743	734	707	636	581	676	662	673	634	-26.2
Public policy analysis	374	291	293	323	287	306	269	306	299	314	336	-10.2
Sociology, demography, and population studies	762	650	705	695	650	630	578	624	627	637	588	-22.8
Social sciences, other	1,627	1,811	1,762	1,634	1,797	1,829	1,819	1,928	1,929	1,962	1,899	16.7
Non-science and engineering	13,639	13,503	13,186	12,933	12,701	12,639	11,340	12,045	12,312	12,180	12,139	-11.0
Business	1,582	1,509	1,566	1,473	1,528	1,466	1,389	1,447	1,557	1,399	1,398	-11.6
Education	5,098	5,146	4,825	4,817	4,628	4,712	4,239	4,470	4,553	4,521	4,610	-9.6
Education leadership and administration	920	824	921	895	835	929	701	719	734	700	816	-11.3
Education research	2,772	2,384	2,418	2,499	2,304	2,308	2,198	2,274	2,320	2,311	2,212	-20.2
Teacher education and teaching fields	1,109	1,346	1,039	1,055	1,061	1,051	905	995	1,019	1,046	1,080	-2.6
Education, other	297	592	447	368	428	424	435	482	480	464	502	69.0
Humanities and arts	5,522	5,416	5,209	5,139	5,051	4,924	4,132	4,456	4,452	4,490	4,418	-20.0
Letters	1,583	1,531	1,462	1,439	1,386	1,389	1,192	1,292	1,321	1,276	1,230	-22.3
Foreign languages and literature	656	599	619	617	610	564	377	442	440	428	429	-34.6
History	1,074	1,082	980	948	912	884	724	749	763	755	809	-24.7
Philosophy and religious studies	804	735	757	758	682	667	594	639	614	612	619	-23.0
Music and performing arts	529	476	521	486	503	559	479	470	471	505	473	-10.6
Humanities and arts, other	876	993	870	891	958	861	766	864	843	914	858	-2.1
Other non-science and engineering	1,437	1,432	1,586	1,504	1,494	1,537	1,580	1,672	1,750	1,770	1,713	19.2
Communication	667	672	622	630	543	591	508	580	631	633	591	-11.4

Table 1-5. Research doctorate recipients, by trend major field of doctorate and sex: 2015–25

(Number)

Field and sex	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	% change 2015–25
Public administration and social services	428	437	480	496	537	530	506	488	535	551	550	28.5
Non-science and engineering, other	342	323	484	378	414	416	566	604	584	586	572	67.3
Male	29,532	29,572	29,442	29,741	30,105	29,844	28,043	30,451	30,329	29,826	30,214	2.3
Science and engineering	23,741	23,949	23,877	24,239	24,801	24,467	23,262	25,563	25,400	25,093	25,494	7.4
Agricultural sciences and natural resources	766	776	786	770	775	768	703	719	669	684	710	-7.3
Agricultural sciences	463	461	512	499	512	506	480	485	454	461	499	7.8
Natural resources and conservation	303	315	274	271	263	262	223	234	215	223	211	-30.4
Biological and biomedical sciences	4,100	4,154	4,088	4,079	4,192	3,883	3,810	4,211	4,244	4,193	4,213	2.8
Biochemistry and biophysics	511	525	553	500	558	463	422	463	450	461	494	-3.3
Biology and biomedical sciences, general	296	474	376	410	411	453	447	527	565	554	509	72.0
Bioinformatics, biostatistics, and computational biology	279	333	310	343	405	338	365	442	438	440	464	66.3
Cellular and developmental biology, and anatomy	253	229	220	211	183	184	111	112	95	108	94	-62.8
Ecology, evolutionary biology, and epidemiology	473	439	421	447	439	378	373	418	430	403	378	-20.1
Genetics and genomics	158	139	159	145	158	148	172	189	213	203	180	13.9
Microbiology and immunology	507	477	439	469	462	436	425	475	495	436	467	-7.9
Molecular biology	288	245	311	256	244	270	346	362	356	384	380	31.9
Neurobiology and neurosciences	516	485	483	467	535	484	417	502	466	490	515	-0.2
Pharmacology and toxicology	164	155	175	159	149	150	147	159	179	138	145	-11.6
Physiology, pathology, and cancer biology	352	305	314	339	295	250	274	259	274	261	276	-21.6
Biology and biomedical sciences, other	303	348	327	333	353	329	311	303	283	315	311	2.6
Computer and information sciences	1,581	1,662	1,566	1,565	1,711	1,861	1,774	1,959	1,977	2,182	2,528	59.9
Computer science	1,346	1,361	1,300	1,331	1,451	1,572	1,400	1,389	1,462	1,660	1,929	43.3
Computer and information sciences, other	235	301	266	234	260	289	374	570	515	522	599	154.9
Engineering	7,578	7,267	7,447	7,710	7,830	7,875	7,575	8,405	8,378	8,086	8,244	8.8
Aerospace, aeronautical, and astronautical engineering	308	314	337	337	323	329	310	488	491	493	517	67.9
Bioengineering and biomedical engineering	698	686	613	687	720	652	630	670	736	712	763	9.3
Chemical and petroleum engineering	825	750	794	835	831	851	838	842	891	846	851	3.2
Civil, environmental, and transportation engineering	843	803	835	809	963	923	789	941	918	883	874	3.7
Electrical and computer engineering	2,081	1,886	1,928	1,964	1,905	2,015	2,064	2,199	2,128	2,074	2,107	1.2
Industrial engineering and operations research	300	363	363	365	379	399	417	442	405	398	403	34.3
Materials and mining engineering	677	746	716	737	720	654	658	794	814	756	730	7.8
Mechanical engineering	1,336	1,209	1,264	1,379	1,410	1,495	1,300	1,344	1,363	1,307	1,332	-0.3
Engineering, other	510	510	597	597	579	557	569	685	632	617	667	30.8
Geosciences, atmospheric, and ocean sciences	600	716	657	659	738	736	594	634	676	619	637	6.2
Geological sciences	317	369	338	342	392	408	308	338	332	309	312	-1.6
Ocean, marine, and atmospheric sciences	283	347	319	317	346	328	286	296	344	310	325	14.8
Health sciences	697	698	787	799	839	891	717	785	731	752	766	9.9
Nursing science	33	36	62	51	65	73	59	63	57	56	61	84.8

Table 1-5. Research doctorate recipients, by trend major field of doctorate and sex: 2015–25

(Number)

Field and sex	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	% change 2015–25
Pharmaceutical sciences	148	145	149	189	182	216	154	179	165	171	162	9.5
Public health	144	168	226	189	220	201	170	198	170	194	186	29.2
Health sciences, other	372	349	350	370	372	401	334	345	339	331	357	-4.0
Mathematics and statistics	1,296	1,332	1,340	1,471	1,426	1,434	1,453	1,611	1,570	1,448	1,500	15.7
Applied mathematics	293	335	355	331	297	296	300	328	324	271	270	-7.8
Mathematics	516	272	321	418	337	293	188	186	198	175	153	-70.3
Statistics	230	158	236	254	222	253	326	384	373	364	378	64.3
Mathematics and statistics, other	257	567	428	468	570	592	639	713	675	638	699	172.0
Physical sciences	3,328	3,569	3,446	3,552	3,624	3,437	3,156	3,665	3,611	3,536	3,484	4.7
Astronomy and astrophysics	193	218	229	245	251	202	311	360	426	398	411	113.0
Chemistry	1,592	1,712	1,676	1,741	1,788	1,668	1,471	1,806	1,712	1,729	1,589	-0.2
Physics	1,543	1,639	1,541	1,566	1,585	1,567	1,374	1,499	1,473	1,409	1,484	-3.8
Psychology	1,057	1,133	1,132	1,095	1,113	1,079	1,063	1,042	982	1,055	982	-7.1
Clinical psychology	249	282	282	275	305	285	316	238	250	240	248	-0.4
Counseling and applied psychology	282	296	282	273	235	271	264	275	233	291	243	-13.8
Research and experimental psychology	369	381	379	370	382	323	294	362	335	325	303	-17.9
Psychology, other	157	174	189	177	191	200	189	167	164	199	188	19.7
Social sciences	2,738	2,642	2,628	2,539	2,553	2,503	2,417	2,532	2,562	2,538	2,430	-11.2
Anthropology	185	171	159	126	155	144	120	128	139	133	140	-24.3
Economics	821	819	827	848	818	808	820	850	854	845	817	-0.5
Political science and government	527	462	456	429	433	387	339	398	384	391	358	-32.1
Public policy analysis	159	121	144	159	138	123	122	120	130	130	132	-17.0
Sociology, demography, and population studies	291	274	275	258	239	257	219	236	240	215	202	-30.6
Social sciences, other	755	795	767	719	770	784	797	800	815	824	781	3.4
Non-science and engineering	5,791	5,623	5,565	5,502	5,304	5,377	4,781	4,888	4,929	4,733	4,720	-18.5
Business	934	932	901	863	870	850	793	807	854	751	789	-15.5
Education	1,605	1,545	1,534	1,493	1,419	1,457	1,234	1,276	1,220	1,221	1,183	-26.3
Education leadership and administration	344	304	348	323	340	349	242	230	253	212	227	-34.0
Education research	849	718	778	761	654	674	640	629	578	601	552	-35.0
Teacher education and teaching fields	330	356	286	289	279	319	234	275	278	266	279	-15.5
Education, other	82	167	122	120	146	115	118	142	111	142	125	52.4
Humanities and arts	2,725	2,605	2,564	2,564	2,478	2,506	2,112	2,184	2,211	2,156	2,116	-22.3
Letters	647	600	593	585	560	587	489	504	557	488	450	-30.4
Foreign languages and literature	238	228	239	247	215	223	170	177	171	190	180	-24.4
History	594	587	560	513	529	510	409	395	424	406	443	-25.4
Philosophy and religious studies	565	464	537	523	442	462	385	416	395	387	381	-32.6
Music and performing arts	278	239	252	262	271	298	257	256	254	278	234	-15.8
Humanities and arts, other	403	487	383	434	461	426	402	436	410	407	428	6.2

Table 1-5. Research doctorate recipients, by trend major field of doctorate and sex: 2015–25

(Number)

Field and sex	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	% change 2015–25
Other non-science and engineering	527	541	566	582	537	564	642	621	644	605	632	19.9
Communication	256	261	200	234	205	228	213	197	238	205	204	-20.3
Public administration and social services	110	130	150	157	160	164	163	154	148	173	173	57.3
Non-science and engineering, other	161	150	216	191	172	172	266	270	258	227	255	58.4
Female	25,347	25,222	25,086	25,308	25,482	25,350	24,105	26,979	27,465	28,186	28,801	13.6
Science and engineering	17,501	17,346	17,470	17,886	18,087	18,089	17,548	19,826	20,083	20,739	21,382	22.2
Agricultural sciences and natural resources	724	651	755	726	763	762	709	790	808	788	828	14.4
Agricultural sciences	440	389	456	460	490	507	476	516	553	527	528	20.0
Natural resources and conservation	284	262	299	266	273	255	233	274	255	261	300	5.6
Biological and biomedical sciences	4,682	4,707	4,477	4,700	4,485	4,520	4,319	4,994	5,320	5,478	5,637	20.4
Biochemistry and biophysics	419	472	446	463	407	396	375	462	443	463	476	13.6
Biology and biomedical sciences, general	378	625	431	477	503	603	529	706	760	762	738	95.2
Bioinformatics, biostatistics, and computational biology	173	192	238	237	242	262	257	321	355	362	374	116.2
Cellular and developmental biology, and anatomy	343	259	207	216	229	180	109	105	129	111	116	-66.2
Ecology, evolutionary biology, and epidemiology	568	585	596	612	594	574	574	662	687	726	664	16.9
Genetics and genomics	200	199	185	218	183	199	203	226	245	248	292	46.0
Microbiology and immunology	661	565	537	573	547	565	547	613	597	655	669	1.2
Molecular biology	344	304	323	340	311	305	394	434	492	484	551	60.2
Neurobiology and neurosciences	573	512	501	566	498	488	494	543	621	631	717	25.1
Pharmacology and toxicology	216	182	196	202	201	175	164	227	229	238	248	14.8
Physiology, pathology, and cancer biology	422	381	369	351	342	321	288	323	333	370	349	-17.3
Biology and biomedical sciences, other	385	431	448	445	428	452	385	372	429	428	443	15.1
Computer and information sciences	422	420	432	434	508	502	586	648	709	797	910	115.6
Computer science	312	289	292	296	363	381	408	433	475	531	637	104.2
Computer and information sciences, other	110	131	140	138	145	121	178	215	234	266	273	148.2
Engineering	2,297	2,189	2,321	2,450	2,466	2,591	2,654	3,111	3,020	3,068	3,292	43.3
Aerospace, aeronautical, and astronautical engineering	53	56	43	46	56	70	62	98	95	104	112	111.3
Bioengineering and biomedical engineering	427	403	419	445	443	430	432	557	565	569	617	44.5
Chemical and petroleum engineering	361	329	310	333	363	340	366	417	354	398	439	21.6
Civil, environmental, and transportation engineering	370	284	379	369	354	381	388	449	448	445	486	31.4
Electrical and computer engineering	356	356	390	429	354	446	446	522	525	501	547	53.7
Industrial engineering and operations research	136	136	121	127	126	168	163	170	172	186	215	58.1
Materials and mining engineering	228	268	246	281	295	247	292	367	345	329	336	47.4
Mechanical engineering	212	208	232	229	267	282	284	305	290	313	351	65.6
Engineering, other	154	149	181	191	208	227	221	226	226	223	189	22.7
Geosciences, atmospheric, and ocean sciences	457	510	512	526	533	505	470	547	554	610	590	29.1
Geological sciences	237	248	234	249	229	265	235	238	260	299	279	17.7
Ocean, marine, and atmospheric sciences	220	262	278	277	304	240	235	309	294	311	311	41.4

Table 1-5. Research doctorate recipients, by trend major field of doctorate and sex: 2015–25

(Number)

Field and sex	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	% change 2015–25
Health sciences	1,523	1,550	1,655	1,674	1,693	1,715	1,532	1,686	1,702	1,752	1,721	13.0
Nursing science	503	446	490	533	481	517	454	473	497	440	501	-0.4
Pharmaceutical sciences	122	129	143	155	176	166	175	190	193	199	177	45.1
Public health	497	526	543	513	548	513	445	515	513	534	542	9.1
Health sciences, other	401	449	479	473	488	519	458	508	499	579	501	24.9
Mathematics and statistics	517	539	503	548	584	590	557	636	594	644	675	30.6
Applied mathematics	142	139	138	123	130	123	126	132	134	145	160	12.7
Mathematics	119	77	71	106	108	85	47	40	33	51	55	-53.8
Statistics	150	107	132	157	143	149	162	212	201	173	179	19.3
Mathematics and statistics, other	106	216	162	162	203	233	222	252	226	275	281	165.1
Physical sciences	1,530	1,453	1,466	1,589	1,679	1,561	1,552	1,801	1,844	1,852	1,878	22.7
Astronomy and astrophysics	76	97	110	106	110	103	145	161	177	178	189	148.7
Chemistry	1,074	991	1,022	1,066	1,151	1,091	1,081	1,254	1,284	1,293	1,261	17.4
Physics	380	365	334	417	418	367	326	386	383	381	428	12.6
Psychology	2,719	2,776	2,793	2,726	2,796	2,786	2,714	2,910	2,900	3,011	3,094	13.8
Clinical psychology	924	924	911	985	944	992	925	897	951	925	945	2.3
Counseling and applied psychology	752	705	737	730	743	709	765	797	765	854	787	4.7
Research and experimental psychology	605	685	655	582	660	557	540	704	666	688	733	21.2
Psychology, other	438	462	490	429	449	528	484	512	518	544	629	43.6
Social sciences	2,630	2,551	2,556	2,513	2,580	2,557	2,455	2,703	2,632	2,739	2,757	4.8
Anthropology	307	289	287	298	290	303	279	287	250	274	312	1.6
Economics	434	417	410	396	429	404	408	437	434	439	461	6.2
Political science and government	332	283	287	304	274	249	242	278	278	282	276	-16.9
Public policy analysis	214	170	148	164	149	183	147	186	169	184	204	-4.7
Sociology, demography, and population studies	471	376	429	437	411	373	359	388	387	422	386	-18.0
Social sciences, other	872	1,016	995	914	1,027	1,045	1,020	1,127	1,114	1,138	1,118	28.2
Non-science and engineering	7,846	7,876	7,616	7,422	7,395	7,261	6,557	7,153	7,382	7,447	7,419	-5.4
Business	648	575	664	607	658	616	596	640	703	648	609	-6.0
Education	3,492	3,601	3,289	3,323	3,209	3,254	3,004	3,194	3,333	3,300	3,427	-1.9
Education leadership and administration	576	520	573	572	495	579	459	489	481	488	589	2.3
Education research	1,922	1,666	1,639	1,737	1,650	1,634	1,558	1,645	1,742	1,710	1,660	-13.6
Teacher education and teaching fields	779	990	752	766	782	732	670	720	741	780	801	2.8
Education, other	215	425	325	248	282	309	317	340	369	322	377	75.3
Humanities and arts	2,796	2,810	2,644	2,572	2,571	2,418	2,019	2,270	2,240	2,334	2,302	-17.7
Letters	936	931	869	853	826	802	702	787	764	788	780	-16.7
Foreign languages and literature	418	371	380	370	394	341	207	265	269	238	249	-40.4
History	480	495	420	435	383	374	315	354	339	349	366	-23.8
Philosophy and religious studies	238	271	219	233	240	205	209	222	219	225	238	0.0

Table 1-5. Research doctorate recipients, by trend major field of doctorate and sex: 2015–25

(Number)

Field and sex	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	% change 2015–25
Music and performing arts	251	237	269	224	231	261	222	214	217	227	239	-4.8
Humanities and arts, other	473	505	487	457	497	435	364	428	432	507	430	-9.1
Other non-science and engineering	910	890	1,019	920	957	973	938	1,049	1,106	1,165	1,081	18.8
Communication	411	410	422	395	338	363	295	383	393	428	387	-5.8
Public administration and social services	318	307	330	338	377	366	343	332	387	378	377	18.6
Non-science and engineering, other	181	173	267	187	242	244	300	334	326	359	317	75.1

^a All doctorate recipients includes doctorate recipients who did not report sex.

Note(s):
The survey data collection for the field of study changed in 2021, which may affect the data comparison across years. This table uses a trend field taxonomy that facilitates trend comparisons with prior years (see [table A-5](#)). 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.

Table 1-6. Research doctorate recipients, by trend broad field of doctorate and citizenship status: Selected years, 1975–2025

(Number)

Field and citizenship status	1975	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025
All fields	32,952	31,019	31,295	36,065	41,747	41,369	43,385	48,028	54,886	55,200	59,015
U.S. citizen or permanent resident	28,872	26,532	24,711	26,619	32,062	29,952	27,945	31,602	35,071	34,458	36,235
Temporary visa holder	3,562	3,696	5,252	8,140	8,831	9,667	12,832	13,636	16,129	18,473	19,340
Unknown citizenship	518	791	1,332	1,306	854	1,750	2,608	2,790	3,686	2,269	3,440
Science and engineering	19,237	18,190	19,527	23,715	27,704	27,420	29,621	35,043	41,247	42,561	46,876
U.S. citizen or permanent resident	16,061	14,959	14,550	16,054	19,915	18,208	17,211	21,444	24,571	24,919	27,564
Temporary visa holder	2,848	2,814	4,148	6,753	7,230	7,954	10,769	11,683	14,027	15,997	16,703
Unknown citizenship	328	417	829	908	559	1,258	1,641	1,916	2,649	1,645	2,609
Agricultural sciences and natural resources	1,169	1,153	1,351	1,441	1,348	1,229	1,207	1,157	1,490	1,531	1,538
U.S. citizen or permanent resident	824	767	881	847	796	643	615	651	794	829	838
Temporary visa holder	340	376	426	543	540	545	508	432	582	658	636
Unknown citizenship	5	10	44	51	12	41	84	74	114	44	64
Biological and biomedical sciences	3,497	3,803	3,869	4,430	5,529	6,044	6,638	8,370	8,783	8,403	9,850
U.S. citizen or permanent resident	3,106	3,436	3,322	3,468	4,442	4,425	4,587	5,849	6,029	5,999	7,162
Temporary visa holder	317	299	436	869	1,008	1,412	1,741	2,134	2,266	2,173	2,272
Unknown citizenship	74	68	111	93	79	207	310	387	488	231	416
Computer and information sciences	na	218	310	705	997	860	1,129	1,633	2,003	2,363	3,438
U.S. citizen or permanent resident	na	169	213	404	616	460	468	761	774	807	1,258
Temporary visa holder	na	43	92	273	365	364	598	760	1,094	1,455	1,924
Unknown citizenship	na	6	5	28	16	36	63	112	135	101	256
Engineering	3,002	2,479	3,166	4,894	6,008	5,323	6,426	7,578	9,875	10,468	11,536
U.S. citizen or permanent resident	2,138	1,555	1,594	2,349	3,343	2,575	2,288	3,332	4,219	4,153	5,069
Temporary visa holder	819	861	1,423	2,286	2,527	2,451	3,756	3,866	5,108	5,950	5,791
Unknown citizenship	45	63	149	259	138	297	382	380	548	365	676
Geosciences, atmospheric, and ocean sciences	557	588	575	719	726	693	714	862	1,057	1,241	1,227
U.S. citizen or permanent resident	463	501	440	517	543	475	444	573	704	809	860
Temporary visa holder	89	77	112	170	170	182	234	251	307	391	312
Unknown citizenship	5	10	23	32	13	36	36	38	46	41	55
Health sciences	437	545	602	784	1,121	1,349	1,465	1,792	2,220	2,606	2,487
U.S. citizen or permanent resident	382	485	491	629	893	1,018	1,080	1,312	1,647	1,871	1,793
Temporary visa holder	44	50	72	127	193	256	304	360	416	596	521
Unknown citizenship	11	10	39	28	35	75	81	120	157	139	173
Mathematics and statistics	1,147	744	688	892	1,190	1,050	1,205	1,590	1,815	2,024	2,175
U.S. citizen or permanent resident	924	583	419	424	773	575	543	838	889	927	996
Temporary visa holder	197	140	240	426	384	443	602	686	823	1,020	1,064
Unknown citizenship	26	21	29	42	33	32	60	66	103	77	115
Physical sciences	3,076	2,521	2,916	3,493	3,814	3,378	3,645	4,133	4,859	5,000	5,362
U.S. citizen or permanent resident	2,560	2,035	2,178	2,318	2,824	2,072	1,900	2,287	2,777	2,930	3,147

Table 1-6. Research doctorate recipients, by trend broad field of doctorate and citizenship status: Selected years, 1975–2025

(Number)

Field and citizenship status	1975	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025
Temporary visa holder	460	433	622	1,070	921	1,149	1,554	1,633	1,792	1,920	1,977
Unknown citizenship	56	53	116	105	69	157	191	213	290	150	238
Psychology	2,751	3,098	3,117	3,281	3,429	3,616	3,322	3,420	3,776	3,865	4,076
U.S. citizen or permanent resident	2,614	2,911	2,864	2,993	3,184	3,231	2,894	2,874	3,103	3,309	3,273
Temporary visa holder	102	71	81	118	165	164	209	270	260	257	449
Unknown citizenship	35	116	172	170	80	221	219	276	413	299	354
Social sciences	3,601	3,041	2,933	3,076	3,542	3,878	3,870	4,508	5,369	5,060	5,187
U.S. citizen or permanent resident	3,050	2,517	2,148	2,105	2,501	2,734	2,392	2,967	3,635	3,285	3,168
Temporary visa holder	480	464	644	871	957	988	1,263	1,291	1,379	1,577	1,757
Unknown citizenship	71	60	141	100	84	156	215	250	355	198	262
Non-science and engineering	13,715	12,829	11,768	12,350	14,043	13,949	13,764	12,985	13,639	12,639	12,139
U.S. citizen or permanent resident	12,811	11,573	10,161	10,565	12,147	11,744	10,734	10,158	10,500	9,539	8,671
Temporary visa holder	714	882	1,104	1,387	1,601	1,713	2,063	1,953	2,102	2,476	2,637
Unknown citizenship	190	374	503	398	295	492	967	874	1,037	624	831
Business	787	640	789	1,036	1,330	1,065	1,171	1,366	1,582	1,466	1,398
U.S. citizen or permanent resident	666	524	579	668	967	722	631	746	892	708	597
Temporary visa holder	107	95	171	319	338	297	449	499	546	658	668
Unknown citizenship	14	21	39	49	25	46	91	121	144	100	133
Education	7,360	7,586	6,733	6,509	6,648	6,442	6,227	5,287	5,098	4,712	4,610
U.S. citizen or permanent resident	6,934	6,864	5,909	5,789	5,993	5,686	5,255	4,476	4,196	3,895	3,738
Temporary visa holder	352	515	577	506	506	539	536	478	539	659	590
Unknown citizenship	74	207	247	214	149	217	436	333	363	158	282
Humanities and arts	4,938	3,782	3,383	3,828	4,999	5,420	5,144	4,969	5,522	4,924	4,418
U.S. citizen or permanent resident	4,641	3,480	3,006	3,352	4,327	4,569	4,002	3,991	4,425	3,908	3,222
Temporary visa holder	210	179	228	378	584	661	798	659	696	742	902
Unknown citizenship	87	123	149	98	88	190	344	319	401	274	294
Other non-science and engineering	630	821	863	977	1,066	1,022	1,222	1,363	1,437	1,537	1,713
U.S. citizen or permanent resident	570	705	667	756	860	767	846	945	987	1,028	1,114
Temporary visa holder	45	93	128	184	173	216	280	317	321	417	477
Unknown citizenship	15	23	68	37	33	39	96	101	129	92	122

na = not applicable; data were not collected at this level of detail.

Note(s):
The survey data collection for the field of study changed in 2021, which may affect the data comparison across years. This table uses a trend field taxonomy that facilitates trend comparisons with prior years (see [table A-5](#)). 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.

Table 1-7. Research doctorate recipients, by trend major field of doctorate and citizenship status: 2015–25

(Number)

Field and citizenship status	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	% change 2015–25
All doctorate recipients ^a	54,886	54,809	54,550	55,077	55,597	55,200	52,158	57,435	57,801	58,013	59,015	7.5
Science and engineering	41,247	41,306	41,364	42,144	42,896	42,561	40,818	45,390	45,489	45,833	46,876	13.6
Agricultural sciences and natural resources	1,490	1,428	1,543	1,499	1,538	1,531	1,412	1,509	1,477	1,472	1,538	3.2
Agricultural sciences	903	851	969	960	1,002	1,013	956	1,001	1,007	988	1,027	13.7
Natural resources and conservation	587	577	574	539	536	518	456	508	470	484	511	-12.9
Biological and biomedical sciences	8,783	8,863	8,567	8,782	8,678	8,403	8,131	9,205	9,565	9,672	9,850	12.1
Biochemistry and biophysics	930	997	999	963	966	859	797	925	893	924	970	4.3
Biology and biomedical sciences, general	674	1,100	808	888	914	1,056	978	1,233	1,325	1,316	1,247	85.0
Bioinformatics, biostatistics, and computational biology	452	525	549	580	647	600	622	763	793	802	838	85.4
Cellular and developmental biology, and anatomy	596	488	427	427	412	364	220	217	224	219	210	-64.8
Ecology, evolutionary biology, and epidemiology	1,041	1,025	1,017	1,059	1,033	952	947	1,080	1,117	1,129	1,042	0.1
Genetics and genomics	358	338	344	363	341	347	375	415	458	451	472	31.8
Microbiology and immunology	1,168	1,042	976	1,042	1,009	1,001	972	1,088	1,092	1,091	1,136	-2.7
Molecular biology	632	549	634	596	555	575	740	796	849	869	931	47.3
Neurobiology and neurosciences	1,089	997	984	1,033	1,033	972	911	1,045	1,087	1,121	1,232	13.1
Pharmacology and toxicology	381	337	371	361	350	325	311	386	408	376	393	3.1
Physiology, pathology, and cancer biology	774	686	683	690	637	571	562	582	607	631	625	-19.3
Biology and biomedical sciences, other	688	779	775	780	781	781	696	675	712	743	754	9.6
Computer and information sciences	2,003	2,082	1,998	2,000	2,220	2,363	2,360	2,607	2,686	2,979	3,438	71.6
Computer science	1,658	1,650	1,592	1,628	1,814	1,953	1,808	1,822	1,937	2,191	2,566	54.8
Computer and information sciences, other	345	432	406	372	406	410	552	785	749	788	872	152.8
Engineering	9,875	9,459	9,774	10,164	10,298	10,468	10,230	11,516	11,398	11,154	11,536	16.8
Aerospace, aeronautical, and astronautical engineering	361	370	380	383	379	399	372	586	586	597	629	74.2
Bioengineering and biomedical engineering	1,125	1,089	1,032	1,133	1,163	1,082	1,063	1,227	1,301	1,281	1,380	22.7
Chemical and petroleum engineering	1,186	1,080	1,106	1,168	1,194	1,191	1,204	1,259	1,245	1,244	1,290	8.8
Civil, environmental, and transportation engineering	1,213	1,087	1,216	1,178	1,317	1,305	1,177	1,390	1,366	1,328	1,360	12.1
Electrical and computer engineering	2,437	2,243	2,319	2,393	2,260	2,461	2,510	2,721	2,653	2,575	2,654	8.9
Industrial engineering and operations research	436	499	485	492	505	567	580	612	577	584	618	41.7
Materials and mining engineering	905	1,015	962	1,018	1,016	901	950	1,161	1,159	1,085	1,066	17.8
Mechanical engineering	1,548	1,417	1,496	1,610	1,677	1,777	1,584	1,649	1,653	1,620	1,683	8.7
Engineering, other	664	659	778	789	787	785	790	911	858	840	856	28.9
Geosciences, atmospheric, and ocean sciences	1,057	1,227	1,169	1,185	1,272	1,241	1,064	1,181	1,231	1,229	1,227	16.1
Geological sciences	554	618	572	591	621	673	543	576	592	608	591	6.7
Ocean, marine, and atmospheric sciences	503	609	597	594	651	568	521	605	639	621	636	26.4
Health sciences	2,220	2,248	2,443	2,473	2,532	2,606	2,249	2,471	2,433	2,504	2,487	12.0
Nursing science	536	482	552	584	546	590	513	536	554	496	562	4.9
Pharmaceutical sciences	270	274	292	344	358	382	329	369	358	370	339	25.6
Public health	641	694	769	702	768	714	615	713	683	728	728	13.6

Table 1-7. Research doctorate recipients, by trend major field of doctorate and citizenship status: 2015–25

(Number)

Field and citizenship status	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	% change 2015–25
Health sciences, other	773	798	830	843	860	920	792	853	838	910	858	11.0
Mathematics and statistics	1,815	1,872	1,844	2,022	2,010	2,024	2,010	2,247	2,165	2,092	2,175	19.8
Applied mathematics	435	474	493	455	427	419	426	460	458	416	430	-1.1
Mathematics	635	350	392	524	445	378	235	226	231	226	208	-67.2
Statistics	381	265	368	412	365	402	488	596	574	537	557	46.2
Mathematics and statistics, other	364	783	591	631	773	825	861	965	902	913	980	169.2
Physical sciences	4,859	5,024	4,913	5,144	5,306	5,000	4,710	5,466	5,456	5,388	5,362	10.4
Astronomy and astrophysics	269	315	339	351	361	305	456	521	603	576	600	123.0
Chemistry	2,666	2,703	2,699	2,807	2,939	2,761	2,552	3,060	2,997	3,022	2,850	6.9
Physics	1,924	2,006	1,875	1,986	2,006	1,934	1,702	1,885	1,856	1,790	1,912	-0.6
Psychology	3,776	3,910	3,925	3,821	3,909	3,865	3,777	3,952	3,883	4,066	4,076	7.9
Clinical psychology	1,173	1,207	1,193	1,260	1,249	1,277	1,241	1,135	1,201	1,165	1,193	1.7
Counseling and applied psychology	1,034	1,001	1,019	1,003	978	980	1,029	1,072	998	1,145	1,030	-0.4
Research and experimental psychology	974	1,066	1,034	952	1,042	880	834	1,066	1,001	1,013	1,036	6.4
Psychology, other	595	636	679	606	640	728	673	679	683	743	817	37.3
Social sciences	5,369	5,193	5,188	5,054	5,133	5,060	4,875	5,236	5,195	5,277	5,187	-3.4
Anthropology	492	460	446	424	445	447	399	415	389	407	452	-8.1
Economics	1,255	1,236	1,239	1,244	1,247	1,212	1,229	1,287	1,289	1,284	1,278	1.8
Political science and government	859	745	743	734	707	636	581	676	662	673	634	-26.2
Public policy analysis	374	291	293	323	287	306	269	306	299	314	336	-10.2
Sociology, demography, and population studies	762	650	705	695	650	630	578	624	627	637	588	-22.8
Social sciences, other	1,627	1,811	1,762	1,634	1,797	1,829	1,819	1,928	1,929	1,962	1,899	16.7
Non-science and engineering	13,639	13,503	13,186	12,933	12,701	12,639	11,340	12,045	12,312	12,180	12,139	-11.0
Business	1,582	1,509	1,566	1,473	1,528	1,466	1,389	1,447	1,557	1,399	1,398	-11.6
Education	5,098	5,146	4,825	4,817	4,628	4,712	4,239	4,470	4,553	4,521	4,610	-9.6
Education leadership and administration	920	824	921	895	835	929	701	719	734	700	816	-11.3
Education research	2,772	2,384	2,418	2,499	2,304	2,308	2,198	2,274	2,320	2,311	2,212	-20.2
Teacher education and teaching fields	1,109	1,346	1,039	1,055	1,061	1,051	905	995	1,019	1,046	1,080	-2.6
Education, other	297	592	447	368	428	424	435	482	480	464	502	69.0
Humanities and arts	5,522	5,416	5,209	5,139	5,051	4,924	4,132	4,456	4,452	4,490	4,418	-20.0
Letters	1,583	1,531	1,462	1,439	1,386	1,389	1,192	1,292	1,321	1,276	1,230	-22.3
Foreign languages and literature	656	599	619	617	610	564	377	442	440	428	429	-34.6
History	1,074	1,082	980	948	912	884	724	749	763	755	809	-24.7
Philosophy and religious studies	804	735	757	758	682	667	594	639	614	612	619	-23.0
Music and performing arts	529	476	521	486	503	559	479	470	471	505	473	-10.6
Humanities and arts, other	876	993	870	891	958	861	766	864	843	914	858	-2.1
Other non-science and engineering	1,437	1,432	1,586	1,504	1,494	1,537	1,580	1,672	1,750	1,770	1,713	19.2
Communication	667	672	622	630	543	591	508	580	631	633	591	-11.4

Table 1-7. Research doctorate recipients, by trend major field of doctorate and citizenship status: 2015–25

(Number)

Field and citizenship status	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	% change 2015–25
Public administration and social services	428	437	480	496	537	530	506	488	535	551	550	28.5
Non-science and engineering, other	342	323	484	378	414	416	566	604	584	586	572	67.3
U.S. citizen or permanent resident	35,071	35,678	35,814	35,349	35,217	34,458	31,859	35,198	35,531	35,979	36,235	3.3
Science and engineering	24,571	25,112	25,546	25,436	25,672	24,919	23,608	26,350	26,601	27,134	27,564	12.2
Agricultural sciences and natural resources	794	803	851	823	849	829	791	854	845	795	838	5.5
Agricultural sciences	434	433	494	466	498	494	498	508	542	487	516	18.9
Natural resources and conservation	360	370	357	357	351	335	293	346	303	308	322	-10.6
Biological and biomedical sciences	6,029	6,215	6,158	6,396	6,368	5,999	5,826	6,624	6,904	6,977	7,162	18.8
Biochemistry and biophysics	582	621	657	647	666	582	529	618	614	610	628	7.9
Biology and biomedical sciences, general	384	699	548	586	623	704	663	831	905	881	839	118.5
Bioinformatics, biostatistics, and computational biology	214	263	298	317	367	292	328	413	448	424	456	113.1
Cellular and developmental biology, and anatomy	409	318	289	294	292	259	159	152	150	152	163	-60.1
Ecology, evolutionary biology, and epidemiology	846	850	834	900	871	771	767	858	884	913	837	-1.1
Genetics and genomics	247	246	243	278	272	261	281	322	344	340	349	41.3
Microbiology and immunology	881	810	749	816	795	774	766	887	845	869	911	3.4
Molecular biology	400	395	449	410	411	410	525	582	630	623	724	81.0
Neurobiology and neurosciences	840	775	800	837	832	754	721	820	858	888	979	16.5
Pharmacology and toxicology	268	232	263	262	259	241	223	285	294	284	296	10.4
Physiology, pathology, and cancer biology	523	472	496	495	449	417	402	424	434	465	458	-12.4
Biology and biomedical sciences, other	435	534	532	554	531	534	462	432	498	528	522	20.0
Computer and information sciences	774	783	804	742	799	807	783	910	965	1,102	1,258	62.5
Computer science	604	598	598	577	622	644	587	659	686	810	915	51.5
Computer and information sciences, other	170	185	206	165	177	163	196	251	279	292	343	101.8
Engineering	4,219	4,181	4,315	4,213	4,251	4,153	4,093	4,724	4,802	4,900	5,069	20.1
Aerospace, aeronautical, and astronautical engineering	216	233	241	221	212	221	187	304	322	329	352	63.0
Bioengineering and biomedical engineering	723	746	698	743	771	688	733	841	853	860	908	25.6
Chemical and petroleum engineering	523	498	511	508	522	515	504	570	601	611	625	19.5
Civil, environmental, and transportation engineering	493	433	448	417	429	446	387	455	466	469	483	-2.0
Electrical and computer engineering	750	672	699	655	627	681	707	752	761	801	854	13.9
Industrial engineering and operations research	165	184	202	167	195	180	201	208	208	200	252	52.7
Materials and mining engineering	397	473	482	477	511	411	425	554	539	527	493	24.2
Mechanical engineering	658	650	639	666	671	666	632	679	677	723	741	12.6
Engineering, other	294	292	395	359	313	345	317	361	375	380	361	22.8
Geosciences, atmospheric, and ocean sciences	704	803	791	760	808	809	683	740	782	834	860	22.2
Geological sciences	363	387	364	383	397	430	340	343	358	402	398	9.6
Ocean, marine, and atmospheric sciences	341	416	427	377	411	379	343	397	424	432	462	35.5
Health sciences	1,647	1,665	1,835	1,809	1,818	1,871	1,636	1,734	1,727	1,808	1,793	8.9
Nursing science	457	416	468	484	459	490	430	434	438	391	439	-3.9

Table 1-7. Research doctorate recipients, by trend major field of doctorate and citizenship status: 2015–25

(Number)

Field and citizenship status	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	% change 2015–25
Pharmaceutical sciences	104	117	123	132	129	159	148	144	149	177	159	52.9
Public health	535	547	608	541	607	544	470	526	521	553	557	4.1
Health sciences, other	551	585	636	652	623	678	588	630	619	687	638	15.8
Mathematics and statistics	889	946	948	994	986	927	898	1,000	976	974	996	12.0
Applied mathematics	202	239	241	237	220	221	203	202	221	214	219	8.4
Mathematics	386	195	238	300	246	183	127	112	127	117	95	-75.4
Statistics	156	106	155	161	134	132	139	170	164	157	166	6.4
Mathematics and statistics, other	145	406	314	296	386	391	429	516	464	486	516	255.9
Physical sciences	2,777	2,866	2,928	3,008	3,092	2,930	2,682	3,127	3,176	3,112	3,147	13.3
Astronomy and astrophysics	190	236	238	253	250	213	292	335	377	368	387	103.7
Chemistry	1,572	1,581	1,698	1,710	1,780	1,696	1,515	1,800	1,862	1,784	1,754	11.6
Physics	1,015	1,049	992	1,045	1,062	1,021	875	992	937	960	1,006	-0.9
Psychology	3,103	3,341	3,382	3,309	3,326	3,309	3,154	3,338	3,238	3,435	3,273	5.5
Clinical psychology	1,039	1,099	1,092	1,136	1,130	1,151	1,091	1,012	1,067	1,028	1,033	-0.6
Counseling and applied psychology	850	866	862	884	843	849	893	938	852	1,018	877	3.2
Research and experimental psychology	809	903	884	806	867	748	680	874	809	828	798	-1.4
Psychology, other	405	473	544	483	486	561	490	514	510	561	565	39.5
Social sciences	3,635	3,509	3,534	3,382	3,375	3,285	3,062	3,299	3,186	3,197	3,168	-12.8
Anthropology	397	360	350	336	360	366	300	335	302	309	325	-18.1
Economics	552	522	551	483	491	458	438	476	457	440	463	-16.1
Political science and government	621	579	573	544	504	459	408	463	435	433	404	-34.9
Public policy analysis	294	227	223	245	224	222	204	214	224	230	254	-13.6
Sociology, demography, and population studies	613	531	579	574	522	501	470	494	494	480	455	-25.8
Social sciences, other	1,158	1,290	1,258	1,200	1,274	1,279	1,242	1,317	1,274	1,305	1,267	9.4
Non-science and engineering	10,500	10,566	10,268	9,913	9,545	9,539	8,251	8,848	8,930	8,845	8,671	-17.4
Business	892	845	864	740	744	708	609	660	678	655	597	-33.1
Education	4,196	4,303	4,066	4,025	3,843	3,895	3,465	3,648	3,747	3,704	3,738	-10.9
Education leadership and administration	797	727	798	783	751	820	604	632	645	618	707	-11.3
Education research	2,273	1,981	2,034	2,056	1,909	1,870	1,800	1,847	1,900	1,909	1,798	-20.9
Teacher education and teaching fields	896	1,108	863	872	856	844	717	788	815	812	857	-4.4
Education, other	230	487	371	314	327	361	344	381	387	365	376	63.5
Humanities and arts	4,425	4,398	4,253	4,145	3,988	3,908	3,154	3,460	3,333	3,343	3,222	-27.2
Letters	1,353	1,314	1,280	1,232	1,187	1,163	950	1,073	1,052	1,012	969	-28.4
Foreign languages and literature	463	399	432	405	383	350	237	271	252	238	221	-52.3
History	891	898	838	800	741	745	569	603	597	609	627	-29.6
Philosophy and religious studies	643	603	597	609	531	537	456	511	476	441	448	-30.3
Music and performing arts	383	380	406	376	395	422	359	336	328	374	325	-15.1
Humanities and arts, other	692	804	700	723	751	691	583	666	628	669	632	-8.7

Table 1-7. Research doctorate recipients, by trend major field of doctorate and citizenship status: 2015–25

(Number)

Field and citizenship status	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	% change 2015–25
Other non-science and engineering	987	1,020	1,085	1,003	970	1,028	1,023	1,080	1,172	1,143	1,114	12.9
Communication	479	472	459	434	349	411	347	377	432	414	378	-21.1
Public administration and social services	327	349	380	378	414	402	371	352	409	407	424	29.7
Non-science and engineering, other	181	199	246	191	207	215	305	351	331	322	312	72.4
Temporary visa holder	16,129	16,477	16,288	17,581	18,324	18,473	17,768	19,618	19,390	19,354	19,340	19.9
Science and engineering	14,027	14,325	14,134	15,204	15,777	15,997	15,333	17,081	16,765	16,725	16,703	19.1
Agricultural sciences and natural resources	582	574	629	630	668	658	578	610	580	635	636	9.3
Agricultural sciences	413	386	453	475	495	486	432	469	436	475	482	16.7
Natural resources and conservation	169	188	176	155	173	172	146	141	144	160	154	-8.9
Biological and biomedical sciences	2,266	2,304	2,180	2,157	2,129	2,173	2,029	2,287	2,299	2,369	2,272	0.3
Biochemistry and biophysics	312	341	318	287	278	245	253	282	244	290	297	-4.8
Biology and biomedical sciences, general	196	341	208	252	249	288	253	324	333	341	308	57.1
Bioinformatics, biostatistics, and computational biology	201	227	239	252	272	297	275	327	320	357	361	79.6
Cellular and developmental biology, and anatomy	163	140	123	121	105	86	52	54	51	43	41	-74.8
Ecology, evolutionary biology, and epidemiology	161	152	169	150	150	169	162	201	210	201	181	12.4
Genetics and genomics	90	73	89	73	65	77	81	84	96	101	101	12.2
Microbiology and immunology	241	207	209	210	205	214	179	178	214	194	190	-21.2
Molecular biology	188	136	176	177	138	156	192	192	201	223	184	-2.1
Neurobiology and neurosciences	211	190	163	171	181	196	157	191	195	201	207	-1.9
Pharmacology and toxicology	80	88	97	92	79	75	73	86	93	78	76	-5.0
Physiology, pathology, and cancer biology	213	194	166	177	177	138	136	138	144	150	137	-35.7
Biology and biomedical sciences, other	210	215	223	195	230	232	216	230	198	190	189	-10.0
Computer and information sciences	1,094	1,201	1,105	1,163	1,328	1,455	1,431	1,587	1,573	1,729	1,924	75.9
Computer science	950	977	932	980	1,124	1,235	1,115	1,090	1,150	1,268	1,443	51.9
Computer and information sciences, other	144	224	173	183	204	220	316	497	423	461	481	234.0
Engineering	5,108	4,842	5,039	5,575	5,680	5,950	5,672	6,249	6,034	5,729	5,791	13.4
Aerospace, aeronautical, and astronautical engineering	132	121	124	146	153	163	163	250	227	235	228	72.7
Bioengineering and biomedical engineering	348	301	300	362	359	364	302	343	387	377	415	19.3
Chemical and petroleum engineering	601	524	550	616	638	620	650	638	593	585	590	-1.8
Civil, environmental, and transportation engineering	661	604	700	719	845	810	742	877	833	801	795	20.3
Electrical and computer engineering	1,521	1,446	1,527	1,642	1,533	1,690	1,696	1,838	1,765	1,646	1,625	6.8
Industrial engineering and operations research	253	295	271	306	294	360	358	369	339	350	338	33.6
Materials and mining engineering	459	506	440	509	475	473	484	552	571	514	523	13.9
Mechanical engineering	827	704	782	879	951	1,061	875	911	897	837	868	5.0
Engineering, other	306	341	345	396	432	409	402	471	422	384	409	33.7
Geosciences, atmospheric, and ocean sciences	307	390	332	392	429	391	345	392	395	352	312	1.6
Geological sciences	159	205	174	185	201	217	179	204	200	175	159	0.0
Ocean, marine, and atmospheric sciences	148	185	158	207	228	174	166	188	195	177	153	3.4

Table 1-7. Research doctorate recipients, by trend major field of doctorate and citizenship status: 2015–25

(Number)

Field and citizenship status	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	% change 2015–25
Health sciences	416	474	520	573	598	596	482	594	564	537	521	25.2
Nursing science	37	45	62	70	62	71	57	69	76	73	71	91.9
Pharmaceutical sciences	132	134	157	192	205	195	161	191	183	163	157	18.9
Public health	82	124	138	152	141	143	112	148	141	135	132	61.0
Health sciences, other	165	171	163	159	190	187	152	186	164	166	161	-2.4
Mathematics and statistics	823	852	821	965	975	1,020	1,041	1,155	1,112	1,035	1,064	29.3
Applied mathematics	222	224	243	208	200	193	214	242	228	195	198	-10.8
Mathematics	243	141	147	214	195	190	101	113	97	102	107	-56.0
Statistics	207	150	190	240	218	251	327	392	390	358	360	73.9
Mathematics and statistics, other	151	337	241	303	362	386	399	408	397	380	399	164.2
Physical sciences	1,792	1,923	1,828	1,981	2,055	1,920	1,851	2,140	2,073	2,104	1,977	10.3
Astronomy and astrophysics	68	74	93	92	106	83	152	177	208	198	200	194.1
Chemistry	929	1,000	919	1,021	1,071	993	944	1,150	1,040	1,146	966	4.0
Physics	795	849	816	868	878	844	755	813	825	760	811	2.0
Psychology	260	305	286	284	339	257	338	344	366	364	449	72.7
Clinical psychology	33	40	34	38	48	36	58	42	44	43	50	51.5
Counseling and applied psychology	58	71	62	74	70	52	70	61	88	80	79	36.2
Research and experimental psychology	126	134	129	124	154	112	135	176	170	161	217	72.2
Psychology, other	43	60	61	48	67	57	75	65	64	80	103	139.5
Social sciences	1,379	1,460	1,394	1,484	1,576	1,577	1,566	1,723	1,769	1,871	1,757	27.4
Anthropology	68	76	65	70	66	63	81	60	70	82	98	44.1
Economics	606	656	641	707	708	690	731	760	773	797	749	23.6
Political science and government	178	128	140	159	173	152	139	187	196	206	200	12.4
Public policy analysis	62	56	53	72	58	77	55	69	61	57	63	1.6
Sociology, demography, and population studies	105	101	99	98	111	113	91	113	113	131	108	2.9
Social sciences, other	360	443	396	378	460	482	469	534	556	598	539	49.7
Non-science and engineering	2,102	2,152	2,154	2,377	2,547	2,476	2,435	2,537	2,625	2,629	2,637	25.5
Business	546	553	588	642	689	658	689	702	770	658	668	22.3
Education	539	562	534	610	615	659	557	581	546	604	590	9.5
Education leadership and administration	35	33	51	52	54	59	47	55	50	49	65	85.7
Education research	327	279	308	365	317	385	310	310	294	309	289	-11.6
Teacher education and teaching fields	158	194	144	163	181	181	154	158	163	192	185	17.1
Education, other	19	56	31	30	63	34	46	58	39	54	51	168.4
Humanities and arts	696	700	680	739	826	742	737	762	849	884	902	29.6
Letters	122	126	122	139	149	132	175	162	202	195	187	53.3
Foreign languages and literature	151	164	159	181	202	185	120	154	159	156	176	16.6
History	114	130	113	112	130	120	130	109	131	123	150	31.6
Philosophy and religious studies	92	73	97	111	113	88	103	102	110	139	120	30.4

Table 1-7. Research doctorate recipients, by trend major field of doctorate and citizenship status: 2015–25

(Number)

Field and citizenship status	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	% change 2015–25
Music and performing arts	92	72	66	77	83	97	87	101	94	92	107	16.3
Humanities and arts, other	125	135	123	119	149	120	122	134	153	179	162	29.6
Other non-science and engineering	321	337	352	386	417	417	452	492	460	483	477	48.6
Communication	137	160	122	165	163	153	142	174	155	182	179	30.7
Public administration and social services	62	70	71	84	87	97	101	106	99	97	90	45.2
Non-science and engineering, other	122	107	159	137	167	167	209	212	206	204	208	70.5

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

Note(s):
The survey data collection for the field of study changed in 2021, which may affect the data comparison across years. This table uses a trend field taxonomy that facilitates trend comparisons with prior years (see [table A-5](#)). 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.

Table 1-8. Research doctorate recipients, by ethnicity, race, and citizenship status: 2015–25

(Number)

Ethnicity, race, and citizenship status	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
All doctorate recipients	54,886	54,809	54,550	55,077	55,597	55,200	52,158	57,435	57,801	58,013	59,015
U.S. citizen or permanent resident	35,071	35,678	35,814	35,349	35,217	34,458	31,859	35,198	35,531	35,979	36,235
Temporary visa holder	16,129	16,477	16,288	17,581	18,324	18,473	17,768	19,618	19,390	19,354	19,340
Unknown citizenship	3,686	2,654	2,448	2,147	2,056	2,269	2,531	2,619	2,880	2,680	3,440
Hispanic or Latino	3,422	3,572	3,566	3,592	4,000	4,108	4,038	4,612	4,810	5,006	5,129
U.S. citizen or permanent resident	2,449	2,548	2,540	2,572	2,844	2,850	2,873	3,348	3,444	3,669	3,781
Temporary visa holder	964	1,016	997	1,016	1,146	1,253	1,152	1,261	1,346	1,308	1,321
Unknown citizenship	9	8	29	4	10	5	13	3	20	29	27
Not Hispanic or Latino											
American Indian or Alaska Native	141	136	111	116	124	100	105	105	121	136	114
U.S. citizen or permanent resident	131	128	109	115	119	97	100	98	115	129	108
Temporary visa holder ^a	10	8	D	D	5	D	D	7	6	7	6
Unknown citizenship	0	0	D	D	0	D	D	0	0	0	0
Asian	13,833	14,052	14,261	14,801	15,181	15,086	14,637	16,458	16,680	16,872	16,998
U.S. citizen or permanent resident	3,072	3,084	3,513	3,302	3,418	3,212	3,028	3,580	3,829	3,971	4,230
Temporary visa holder	10,741	10,931	10,731	11,464	11,718	11,842	11,585	12,862	12,822	12,864	12,694
Unknown citizenship	20	37	17	35	45	32	24	16	29	37	74
Black or African American	2,773	2,866	2,949	3,050	3,090	3,090	3,070	3,378	3,437	3,767	3,989
U.S. citizen or permanent resident	2,275	2,358	2,410	2,449	2,510	2,453	2,458	2,637	2,712	2,928	2,990
Temporary visa holder	493	502	529	595	570	625	596	739	720	829	973
Unknown citizenship	5	6	10	6	10	12	16	2	5	10	26
White	28,619	28,766	28,346	28,552	28,073	27,765	24,805	26,797	26,215	25,659	25,351
U.S. citizen or permanent resident	25,375	25,502	24,864	24,924	24,209	23,925	21,422	23,240	23,048	22,745	22,410
Temporary visa holder	3,180	3,224	3,429	3,594	3,770	3,785	3,345	3,549	3,146	2,881	2,860
Unknown citizenship	64	40	53	34	94	55	38	8	21	33	81
More than one race	971	1,116	1,110	1,211	1,266	1,250	1,201	1,329	1,419	1,495	1,525
U.S. citizen or permanent resident	903	1,033	1,016	1,100	1,121	1,134	1,087	1,206	1,295	1,376	1,396
Temporary visa holder	67	83	D	D	145	D	D	123	124	119	127
Unknown citizenship	1	0	D	D	0	D	D	0	0	0	2
Other race or race not reported	458	470	788	861	894	831	980	957	1,097	1,230	1,392
U.S. citizen or permanent resident	249	272	474	371	381	353	387	421	459	515	611
Temporary visa holder	171	174	279	476	475	454	541	529	630	692	729
Unknown citizenship	38	24	35	14	38	24	52	7	8	23	52
Ethnicity not reported	4,669	3,831	3,419	2,894	2,969	2,970	3,322	3,799	4,022	3,848	4,517
U.S. citizen or permanent resident	617	753	888	516	615	434	504	668	629	646	709
Temporary visa holder	503	539	228	324	495	395	430	548	596	654	630
Unknown citizenship	3,549	2,539	2,303	2,054	1,859	2,141	2,388	2,583	2,797	2,548	3,178

D = suppressed to avoid disclosure of confidential information.

^a In most cases, non-U.S. American Indians are citizens of Canada or of a Latin American country.

Note(s):
Hispanic or Latino may be of any race; race categories exclude Hispanic origin.

Source(s):
National Center for Science and Engineering Statistics, Survey of Earned Doctorates.

Table 1-9. Male research doctorate recipients, by ethnicity, race, and citizenship status: 2015–25

(Number)

Ethnicity, race, and citizenship status	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Male doctorate recipients	29,532	29,572	29,442	29,741	30,105	29,844	28,043	30,451	30,329	29,826	30,214
U.S. citizen or permanent resident	17,218	17,530	17,602	17,312	17,258	16,769	15,302	16,752	16,653	16,522	16,580
Temporary visa holder	10,395	10,671	10,601	11,307	11,767	11,868	11,475	12,357	12,191	11,976	11,929
Unknown citizenship	1,919	1,371	1,239	1,122	1,080	1,207	1,266	1,342	1,485	1,328	1,705
Hispanic or Latino	1,758	1,766	1,804	1,865	2,011	2,047	2,017	2,288	2,380	2,462	2,504
U.S. citizen or permanent resident	1,119	1,134	1,154	1,196	1,302	1,266	1,288	1,513	1,546	1,620	1,680
Temporary visa holder	634	630	634	666	706	778	726	773	827	827	813
Unknown citizenship	5	2	16	3	3	3	3	2	7	15	11
Not Hispanic or Latino											
American Indian or Alaska Native	64	63	49	44	58	39	40	43	43	55	41
U.S. citizen or permanent resident	58	57	48	43	56	39	38	39	39	50	37
Temporary visa holder ^a	D	6	D	D	D	0	D	D	D	D	D
Unknown citizenship	D	0	D	D	D	0	D	D	D	D	D
Asian	8,235	8,538	8,669	8,902	9,182	9,187	8,951	9,852	9,948	9,926	9,999
U.S. citizen or permanent resident	1,359	1,432	1,662	1,562	1,626	1,532	1,445	1,713	1,845	1,891	2,010
Temporary visa holder	6,867	7,081	6,997	7,315	7,532	7,636	7,490	8,130	8,090	8,018	7,948
Unknown citizenship	9	25	10	25	24	19	16	9	13	17	41
Black or African American	1,113	1,205	1,204	1,324	1,260	1,317	1,249	1,417	1,444	1,545	1,724
U.S. citizen or permanent resident	807	863	854	923	892	917	884	946	999	1,017	1,093
Temporary visa holder	306	341	347	398	365	396	359	470	442	525	618
Unknown citizenship	0	1	3	3	3	4	6	1	3	3	13
White	15,101	15,155	14,949	14,981	14,883	14,565	12,914	13,640	13,099	12,478	12,242
U.S. citizen or permanent resident	12,978	13,033	12,678	12,608	12,363	12,084	10,712	11,401	11,106	10,750	10,513
Temporary visa holder	2,101	2,103	2,247	2,359	2,477	2,449	2,186	2,238	1,986	1,709	1,692
Unknown citizenship	22	19	24	14	43	32	16	1	7	19	37
More than one race	436	511	517	556	588	606	548	624	649	683	670
U.S. citizen or permanent resident	394	455	462	485	495	530	483	557	575	604	590
Temporary visa holder	42	56	D	D	D	76	D	D	D	D	D
Unknown citizenship	0	0	D	D	D	0	D	D	D	D	D
Other race or race not reported	291	278	476	528	521	478	614	570	658	692	750
U.S. citizen or permanent resident	152	149	270	215	207	175	214	225	238	263	300
Temporary visa holder	D	118	191	305	298	293	375	341	417	418	427
Unknown citizenship	D	11	15	8	16	10	25	4	3	11	23
Ethnicity not reported	2,534	2,056	1,774	1,541	1,602	1,605	1,710	2,017	2,108	1,985	2,284
U.S. citizen or permanent resident	351	407	474	280	317	226	238	358	305	327	357
Temporary visa holder	320	336	129	192	294	240	272	334	351	395	348
Unknown citizenship	1,863	1,313	1,171	1,069	991	1,139	1,200	1,325	1,452	1,263	1,579

D = suppressed to avoid disclosure of confidential information.

^a In most cases, non-U.S. American Indians are citizens of Canada or of a Latin American country.

Note(s):
Hispanic or Latino may be of any race; race categories exclude Hispanic origin.

Source(s):
National Center for Science and Engineering Statistics, Survey of Earned Doctorates.

Table 1-10. Female research doctorate recipients, by ethnicity, race, and citizenship status: 2015–25

(Number)

Ethnicity, race, and citizenship status	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Female doctorate recipients	25,347	25,222	25,086	25,308	25,482	25,350	24,105	26,979	27,465	28,186	28,801
U.S. citizen or permanent resident	17,853	18,147	18,211	18,036	17,958	17,689	16,555	18,441	18,874	19,456	19,655
Temporary visa holder	5,734	5,805	5,686	6,274	6,556	6,605	6,293	7,261	7,198	7,378	7,411
Unknown citizenship	1,760	1,270	1,189	998	968	1,056	1,257	1,277	1,393	1,352	1,735
Hispanic or Latino	1,664	1,806	1,762	1,726	1,989	2,061	2,021	2,324	2,430	2,544	2,625
U.S. citizen or permanent resident	1,330	1,414	1,386	1,375	1,542	1,584	1,585	1,835	1,898	2,049	2,101
Temporary visa holder	330	386	363	350	440	475	426	488	519	481	508
Unknown citizenship	4	6	13	1	7	2	10	1	13	14	16
Not Hispanic or Latino											
American Indian or Alaska Native	77	73	62	72	66	61	65	62	78	81	73
U.S. citizen or permanent resident	73	71	61	72	63	58	62	59	76	79	71
Temporary visa holder ^a	D	D	D	0	D	D	D	D	D	D	D
Unknown citizenship	D	D	D	0	D	D	D	D	D	D	D
Asian	5,598	5,513	5,590	5,899	5,999	5,899	5,686	6,605	6,732	6,946	6,999
U.S. citizen or permanent resident	1,713	1,652	1,850	1,740	1,792	1,680	1,583	1,866	1,984	2,080	2,220
Temporary visa holder	3,874	3,849	3,733	4,149	4,186	4,206	4,095	4,732	4,732	4,846	4,746
Unknown citizenship	11	12	7	10	21	13	8	7	16	20	33
Black or African American	1,660	1,661	1,745	1,726	1,830	1,773	1,821	1,961	1,992	2,222	2,265
U.S. citizen or permanent resident	1,468	1,495	1,556	1,526	1,618	1,536	1,574	1,691	1,712	1,911	1,897
Temporary visa holder	187	161	182	197	205	229	237	269	278	304	355
Unknown citizenship	5	5	7	3	7	8	10	1	2	7	13
White	13,518	13,611	13,397	13,571	13,189	13,200	11,889	13,154	13,112	13,181	13,109
U.S. citizen or permanent resident	12,397	12,469	12,186	12,316	11,845	11,841	10,708	11,836	11,939	11,995	11,897
Temporary visa holder	1,079	1,121	1,182	1,235	1,293	1,336	1,159	1,311	1,159	1,172	1,168
Unknown citizenship	42	21	29	20	51	23	22	7	14	14	44
More than one race	535	605	593	655	678	644	653	704	770	812	855
U.S. citizen or permanent resident	509	578	554	615	626	604	604	648	720	772	806
Temporary visa holder	25	27	D	40	D	D	D	D	D	D	D
Unknown citizenship	1	0	D	0	D	D	D	D	D	D	D
Other race or race not reported	167	192	312	333	373	353	366	387	439	538	642
U.S. citizen or permanent resident	97	123	204	156	174	178	173	196	221	252	311
Temporary visa holder	D	D	88	171	177	161	166	188	213	274	302
Unknown citizenship	D	D	20	6	22	14	27	3	5	12	29
Ethnicity not reported	2,128	1,761	1,625	1,326	1,358	1,359	1,604	1,782	1,912	1,862	2,233
U.S. citizen or permanent resident	266	345	414	236	298	208	266	310	324	318	352
Temporary visa holder	183	203	99	132	200	155	158	214	245	259	282
Unknown citizenship	1,679	1,213	1,112	958	860	996	1,180	1,258	1,343	1,285	1,599

D = suppressed to avoid disclosure of confidential information.

^a In most cases, non-U.S. American Indians are citizens of Canada or of a Latin American country.

Note(s):
Hispanic or Latino may be of any race; race categories exclude Hispanic origin.

Source(s):
National Center for Science and Engineering Statistics, Survey of Earned Doctorates.

Table 1-11. U.S. citizen and permanent resident research doctorate recipients, by trend broad field of doctorate, ethnicity, and race: Selected years, 1975–2025

(Number)

Field, ethnicity, and race	1975	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025
All fields	28,872	26,532	24,711	26,619	32,062	29,952	27,945	31,602	35,071	34,458	36,235
Hispanic or Latino	349	490	635	840	1,065	1,310	1,435	1,842	2,449	2,850	3,781
Not Hispanic or Latino											
American Indian or Alaska Native	36	75	96	96	147	169	137	117	131	97	108
Asian ^a	1,007	1,095	1,069	1,306	4,297	2,274	2,155	2,738	3,072	3,212	4,230
Black or African American	1,047	1,094	1,042	1,048	1,461	1,749	1,741	1,939	2,275	2,453	2,990
White	24,878	22,435	21,308	22,878	24,683	23,714	21,208	23,100	25,375	23,925	22,410
More than one race	na	na	na	na	na	na	395	654	903	1,134	1,396
Other race or race not reported ^b	167	51	93	132	170	370	306	272	249	353	611
Ethnicity not reported	1,388	1,292	468	319	239	366	568	940	617	434	709
Science and engineering	16,061	14,959	14,550	16,054	19,915	18,208	17,211	21,444	24,571	24,919	27,564
Hispanic or Latino	160	222	306	485	602	760	846	1,213	1,681	1,998	2,875
Not Hispanic or Latino											
American Indian or Alaska Native	14	28	43	42	76	92	70	78	71	54	69
Asian ^a	832	890	843	1,045	3,751	1,806	1,724	2,219	2,487	2,638	3,635
Black or African American	300	329	381	400	600	770	800	1,009	1,307	1,404	1,783
White	13,812	12,642	12,586	13,764	14,603	14,310	12,971	15,640	17,724	17,419	17,118
More than one race	na	na	na	na	na	na	256	464	665	890	1,120
Other race or race not reported ^b	80	28	58	94	118	233	190	172	180	243	463
Ethnicity not reported	863	820	333	224	165	237	354	649	456	273	501
Agricultural sciences and natural resources	824	767	881	847	796	643	615	651	794	829	838
Hispanic or Latino	8	7	17	24	26	34	23	34	54	61	87
Not Hispanic or Latino											
American Indian or Alaska Native	0	1	4	4	3	6	3	2	1	5	3
Asian ^a	55	34	31	38	105	43	25	35	50	44	72
Black or African American	6	10	25	21	25	28	17	34	30	42	31
White	731	676	789	744	627	517	517	511	620	628	594
More than one race	na	na	na	na	na	na	7	9	19	26	25
Other race or race not reported ^b	2	1	2	4	4	7	4	4	7	6	5
Ethnicity not reported	22	38	13	12	6	8	19	22	13	17	21
Biological and biomedical sciences	3,106	3,436	3,322	3,468	4,442	4,425	4,587	5,849	6,029	5,999	7,162
Hispanic or Latino	33	31	61	90	130	177	234	362	478	521	781
Not Hispanic or Latino											
American Indian or Alaska Native	1	5	13	4	15	17	12	15	13	9	12
Asian ^a	138	165	153	206	929	555	562	684	729	742	987
Black or African American	49	48	54	55	114	130	165	232	226	261	344
White	2,740	2,968	2,973	3,052	3,205	3,431	3,442	4,240	4,286	4,144	4,512

Table 1-11. U.S. citizen and permanent resident research doctorate recipients, by trend broad field of doctorate, ethnicity, and race: Selected years, 1975–2025

(Number)

Field, ethnicity, and race	1975	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025
More than one race	na	na	na	na	na	na	61	126	189	238	309
Other race or race not reported ^b	15	13	7	14	22	64	54	44	38	44	100
Ethnicity not reported	130	206	61	47	27	51	57	146	70	40	117
Computer and information sciences	na	169	213	404	616	460	468	761	774	807	1,258
Hispanic or Latino	na	1	6	5	6	14	12	22	35	44	62
Not Hispanic or Latino											
American Indian or Alaska Native	na	0	0	0	0	1	1	2	1	1	0
Asian ^a	na	9	17	49	137	76	91	134	109	146	305
Black or African American	na	0	3	1	11	18	14	28	28	26	79
White	na	143	177	339	450	337	320	524	546	534	705
More than one race	na	na	na	na	na	na	12	17	18	33	35
Other race or race not reported ^b	na	0	1	2	3	7	5	13	9	13	38
Ethnicity not reported	na	16	9	8	9	7	13	21	28	10	34
Engineering	2,138	1,555	1,594	2,349	3,343	2,575	2,288	3,332	4,219	4,153	5,069
Hispanic or Latino	18	27	22	54	77	82	89	192	294	287	421
Not Hispanic or Latino											
American Indian or Alaska Native	1	3	1	4	9	8	9	6	7	5	10
Asian ^a	273	278	281	359	1,032	440	399	543	648	665	928
Black or African American	16	18	34	40	70	81	96	137	164	177	234
White	1,646	1,143	1,189	1,840	2,092	1,891	1,590	2,227	2,867	2,803	3,082
More than one race	na	na	na	na	na	na	31	65	108	128	186
Other race or race not reported ^b	14	0	8	17	16	30	26	36	31	46	89
Ethnicity not reported	170	86	59	35	47	43	48	126	100	42	119
Geosciences, atmospheric, and ocean sciences	463	501	440	517	543	475	444	573	704	809	860
Hispanic or Latino	5	4	4	13	10	16	18	26	43	59	95
Not Hispanic or Latino											
American Indian or Alaska Native	0	2	1	0	0	4	4	0	2	1	6
Asian ^a	16	18	19	15	99	23	18	19	24	45	60
Black or African American	0	1	3	3	1	4	6	11	13	13	25
White	412	452	401	475	423	411	384	483	589	644	613
More than one race	na	na	na	na	na	na	4	11	16	36	44
Other race or race not reported ^b	4	2	2	4	2	9	6	2	2	6	7
Ethnicity not reported	26	22	10	7	8	8	4	21	15	5	10
Health sciences	382	485	491	629	893	1,018	1,080	1,312	1,647	1,871	1,793
Hispanic or Latino	6	6	12	16	27	31	36	53	98	128	175
Not Hispanic or Latino											
American Indian or Alaska Native	1	1	2	1	9	4	4	5	9	8	6

Table 1-11. U.S. citizen and permanent resident research doctorate recipients, by trend broad field of doctorate, ethnicity, and race: Selected years, 1975–2025

(Number)

Field, ethnicity, and race	1975	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025
Asian ^a	28	29	29	31	77	82	84	124	141	169	212
Black or African American	8	13	20	27	51	63	107	126	198	252	251
White	321	419	418	549	713	814	802	938	1,128	1,215	1,039
More than one race	na	na	na	na	na	na	12	20	31	48	53
Other race or race not reported ^b	2	0	2	0	13	9	11	9	10	23	27
Ethnicity not reported	16	17	8	5	3	15	24	37	32	28	30
Mathematics and statistics	924	583	419	424	773	575	543	838	889	927	996
Hispanic or Latino	8	5	12	11	15	15	24	36	41	56	99
Not Hispanic or Latino											
American Indian or Alaska Native	3	0	0	1	2	2	0	3	0	0	1
Asian ^a	62	42	33	27	207	70	67	89	96	118	154
Black or African American	11	12	7	4	5	14	22	22	25	30	39
White	795	496	350	373	535	464	410	640	671	660	618
More than one race	na	na	na	na	na	na	3	15	17	44	48
Other race or race not reported ^b	2	0	2	0	3	4	8	6	10	10	24
Ethnicity not reported	43	28	15	8	6	6	9	27	29	9	13
Physical sciences	2,560	2,035	2,178	2,318	2,824	2,072	1,900	2,287	2,777	2,930	3,147
Hispanic or Latino	19	27	30	72	74	77	74	102	137	187	329
Not Hispanic or Latino											
American Indian or Alaska Native	0	3	3	3	7	9	4	7	7	3	5
Asian ^a	167	164	150	162	748	202	195	216	248	268	345
Black or African American	33	16	27	30	42	61	55	69	90	66	117
White	2,176	1,660	1,900	1,988	1,909	1,674	1,492	1,758	2,163	2,246	2,121
More than one race	na	na	na	na	na	na	32	51	73	104	145
Other race or race not reported ^b	14	1	10	17	14	19	23	12	14	26	40
Ethnicity not reported	151	164	58	46	30	30	25	72	45	30	45
Psychology	2,614	2,911	2,864	2,993	3,184	3,231	2,894	2,874	3,103	3,309	3,273
Hispanic or Latino	34	56	69	109	146	211	192	196	246	355	474
Not Hispanic or Latino											
American Indian or Alaska Native	5	6	10	19	14	22	14	20	11	3	10
Asian ^a	20	49	44	53	121	145	124	167	190	192	256
Black or African American	76	118	104	115	149	189	159	163	240	262	305
White	2,357	2,559	2,590	2,645	2,722	2,608	2,212	2,127	2,256	2,293	1,983
More than one race	na	na	na	na	na	na	50	81	81	120	128
Other race or race not reported ^b	11	7	6	23	20	29	22	18	20	31	61
Ethnicity not reported	111	116	41	29	12	27	121	102	59	53	56
Social sciences	3,050	2,517	2,148	2,105	2,501	2,734	2,392	2,967	3,635	3,285	3,168

Table 1-11. U.S. citizen and permanent resident research doctorate recipients, by trend broad field of doctorate, ethnicity, and race: Selected years, 1975–2025

(Number)

Field, ethnicity, and race	1975	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025
Hispanic or Latino	29	58	73	91	91	103	144	190	255	300	352
Not Hispanic or Latino											
American Indian or Alaska Native	3	7	9	6	17	19	19	18	20	19	16
Asian ^a	73	102	86	105	296	170	159	208	252	249	316
Black or African American	101	93	104	104	132	182	159	187	293	275	358
White	2,634	2,126	1,799	1,759	1,927	2,163	1,802	2,192	2,598	2,252	1,851
More than one race	na	na	na	na	na	na	44	69	113	113	147
Other race or race not reported ^b	16	4	18	13	21	55	31	28	39	38	72
Ethnicity not reported	194	127	59	27	17	42	34	75	65	39	56
Non-science and engineering	12,811	11,573	10,161	10,565	12,147	11,744	10,734	10,158	10,500	9,539	8,671
Hispanic or Latino	189	268	329	355	463	550	589	629	768	852	906
Not Hispanic or Latino											
American Indian or Alaska Native	22	47	53	54	71	77	67	39	60	43	39
Asian ^a	175	205	226	261	546	468	431	519	585	574	595
Black or African American	747	765	661	648	861	979	941	930	968	1,049	1,207
White	11,066	9,793	8,722	9,114	10,080	9,404	8,237	7,460	7,651	6,506	5,292
More than one race	na	na	na	na	na	na	139	190	238	244	276
Other race or race not reported ^b	87	23	35	38	52	137	116	100	69	110	148
Ethnicity not reported	525	472	135	95	74	129	214	291	161	161	208
Business	666	524	579	668	967	722	631	746	892	708	597
Hispanic or Latino	5	4	6	11	17	22	37	31	41	46	43
Not Hispanic or Latino											
American Indian or Alaska Native	0	0	2	3	7	4	1	1	2	2	2
Asian ^a	24	27	47	59	115	67	51	94	130	106	88
Black or African American	13	15	12	16	32	43	52	68	84	102	86
White	596	449	504	569	790	570	466	509	608	412	322
More than one race	na	na	na	na	na	na	5	13	13	19	14
Other race or race not reported ^b	2	2	0	3	2	6	5	5	4	6	17
Ethnicity not reported	26	27	8	7	4	10	14	25	10	15	25
Education	6,934	6,864	5,909	5,789	5,993	5,686	5,255	4,476	4,196	3,895	3,738
Hispanic or Latino	100	153	190	191	258	285	293	275	315	371	412
Not Hispanic or Latino											
American Indian or Alaska Native	16	43	40	37	41	51	41	22	28	16	20
Asian ^a	71	93	98	104	179	174	153	186	195	205	221
Black or African American	615	606	505	495	623	693	648	622	631	627	711
White	5,874	5,700	4,992	4,900	4,846	4,375	3,903	3,129	2,848	2,473	2,112
More than one race	na	na	na	na	na	na	58	77	89	99	129

Table 1-11. U.S. citizen and permanent resident research doctorate recipients, by trend broad field of doctorate, ethnicity, and race: Selected years, 1975–2025

(Number)

Field, ethnicity, and race	1975	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025
Other race or race not reported ^b	44	11	23	23	24	49	46	40	23	41	49
Ethnicity not reported	214	258	61	39	22	59	113	125	67	63	84
Humanities and arts	4,641	3,480	3,006	3,352	4,327	4,569	4,002	3,991	4,425	3,908	3,222
Hispanic or Latino	80	98	108	132	160	212	215	269	361	353	369
Not Hispanic or Latino											
American Indian or Alaska Native	5	3	7	8	20	20	21	14	25	16	11
Asian ^a	60	66	62	72	204	193	192	178	197	207	189
Black or African American	87	93	75	75	124	166	173	170	138	172	204
White	4,112	3,048	2,686	3,014	3,755	3,852	3,203	3,113	3,490	2,937	2,221
More than one race	na	na	na	na	na	na	64	83	109	107	95
Other race or race not reported ^b	40	8	11	10	22	73	56	47	36	51	60
Ethnicity not reported	257	164	57	41	42	53	78	117	69	65	73
Other non-science and engineering	570	705	667	756	860	767	846	945	987	1,028	1,114
Hispanic or Latino	4	13	25	21	28	31	44	54	51	82	82
Not Hispanic or Latino											
American Indian or Alaska Native	1	1	4	6	3	2	4	2	5	9	6
Asian ^a	20	19	19	26	48	34	35	61	63	56	97
Black or African American	32	51	69	62	82	77	68	70	115	148	206
White	484	596	540	631	689	607	665	709	705	684	637
More than one race	na	na	na	na	na	na	12	17	27	19	38
Other race or race not reported ^b	1	2	1	2	4	9	9	8	6	12	22
Ethnicity not reported	28	23	9	8	6	7	9	24	15	18	26

na = not applicable; doctorate recipients were instructed to indicate only one race before 2001 or field level data were not collected at this level of detail.

^a Asian includes Native Hawaiians or Other Pacific Islanders through 2000 but excludes them since 2001.

^b Before 2001, other race included doctorate recipients who selected more than one race. Since 2001, other race has included Native Hawaiians or Other Pacific Islanders, who previously had been included in the category Asian.

Note(s):
Hispanic or Latino may be of any race; race categories exclude Hispanic origin. The survey data collection for the field of study changed in 2021, which may affect the data comparison across years. This table uses a trend field taxonomy that facilitates trend comparisons with prior years (see [table A-5](#)).
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.

Table 1-12. Median years to research doctorate, by trend broad field of doctorate: Selected years, 1975–2025

(Median years)

[illegible]

Table 1-12. Median years to research doctorate, by trend broad field of doctorate: Selected years, 1975–2025

(Median years)

Field and time to degree	1975	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025
Since earning bachelor's	6.6	6.6	7.0	7.1	7.7	7.3	7.3	7.0	6.7	6.6	6.8
Since starting graduate school	5.9	5.7	6.0	6.2	6.7	6.2	6.3	6.3	6.0	6.0	6.0
Since starting doctoral program ^a	na	na	na	na	na	na	na	na	5.7	5.7	5.8
Psychology											
Since earning bachelor's	6.9	8.0	9.5	10.2	9.8	9.0	9.0	8.4	8.3	8.3	8.9
Since starting graduate school	5.9	6.7	7.9	8.5	7.9	7.2	7.3	6.9	7.0	7.0	7.0
Since starting doctoral program ^a	na	na	na	na	na	na	na	na	6.0	5.9	5.8
Social sciences											
Since earning bachelor's	8.6	9.6	10.7	11.3	11.0	10.6	10.8	10.6	10.2	10.3	10.3
Since starting graduate school	7.7	8.2	9.0	9.3	9.2	8.7	9.0	8.7	8.3	8.8	8.8
Since starting doctoral program ^a	na	na	na	na	na	na	na	na	6.0	6.0	6.0
Non-science and engineering											
Since earning bachelor's	11.0	12.1	14.0	15.5	15.7	14.5	14.0	13.1	12.2	12.3	12.7
Since starting graduate school	9.2	10.2	11.7	12.7	12.2	11.2	11.1	10.3	9.9	10.2	10.0
Since starting doctoral program ^a	na	na	na	na	na	na	na	na	6.3	6.0	5.9
Business											
Since earning bachelor's	9.5	10.4	11.9	12.0	12.2	13.0	12.4	11.5	10.7	10.6	10.8
Since starting graduate school	7.9	8.7	9.6	9.0	9.7	9.9	9.8	8.9	8.7	8.9	8.8
Since starting doctoral program ^a	na	na	na	na	na	na	na	na	5.0	5.0	5.3
Education											
Since earning bachelor's	12.6	13.2	15.2	18.0	19.9	19.4	17.4	16.2	14.8	15.0	15.5
Since starting graduate school	9.9	10.7	12.7	14.7	15.7	14.2	13.0	12.5	11.7	12.0	12.0
Since starting doctoral program ^a	na	na	na	na	na	na	na	na	6.0	5.8	5.4
Humanities and arts											
Since earning bachelor's	9.9	10.9	11.9	12.3	12.1	11.6	12.0	11.6	11.0	11.0	11.3
Since starting graduate school	8.7	9.7	10.2	10.7	10.2	9.7	9.9	9.5	9.2	9.6	9.5
Since starting doctoral program ^a	na	na	na	na	na	na	na	na	7.0	6.8	6.8
Other non-science and engineering											
Since earning bachelor's	11.2	11.7	14.0	14.8	15.0	14.4	13.6	12.8	11.7	11.9	12.0
Since starting graduate school	9.6	9.7	11.7	11.9	11.9	10.9	11.0	9.8	9.3	9.8	9.8
Since starting doctoral program ^a	na	na	na	na	na	na	na	na	5.7	5.8	5.3

na = not applicable; data were not collected at this level of detail.

^a Time to doctorate from doctoral program start is based on master's degree entry if the master's degree was at the doctoral institution in the same field of study or was a prerequisite to the doctorate; otherwise, it is based on doctoral program entry.

Note(s):
The survey data collection for the field of study changed in 2021, which may affect the data comparison across years. This table uses a trend field taxonomy that facilitates trend comparisons with prior years (see [table A-5](#)). 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.

Table 1-13. Graduate debt of research doctorate recipients, by trend broad field of doctorate: 2015–25

(Number)

Graduate debt level and field	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Doctorate recipients reporting education-related debt level	48,759	49,778	49,229	50,040	50,724	50,364	47,249	51,982	51,944	52,048	52,420
No graduate debt	30,890	31,987	32,602	33,846	34,710	35,079	33,823	38,210	38,107	38,231	39,151
\$10,000 or less	4,189	4,071	3,802	3,831	3,469	3,399	2,739	2,858	3,126	3,046	3,067
\$10,001–\$30,000	4,464	4,376	3,897	3,720	3,790	3,411	2,941	3,231	3,224	3,216	2,995
\$30,001–\$70,000	4,500	4,528	4,108	3,902	3,673	3,481	3,174	3,212	3,181	3,263	3,123
\$70,001 or more	4,716	4,816	4,820	4,741	5,082	4,994	4,572	4,471	4,306	4,292	4,084
Science and engineering	36,787	37,658	37,578	38,541	39,401	39,139	37,243	41,353	41,169	41,391	41,922
No graduate debt	25,188	26,072	26,758	27,926	28,674	29,060	28,173	32,069	31,731	31,919	32,753
\$10,000 or less	3,072	3,039	2,852	2,861	2,630	2,574	2,124	2,178	2,449	2,381	2,393
\$10,001–\$30,000	3,006	2,953	2,657	2,506	2,639	2,340	2,107	2,264	2,312	2,318	2,201
\$30,001–\$70,000	2,792	2,797	2,522	2,434	2,323	2,149	2,037	2,100	2,071	2,142	2,050
\$70,001 or more	2,729	2,797	2,789	2,814	3,135	3,016	2,802	2,742	2,606	2,631	2,525
Agricultural sciences and natural resources	1,336	1,312	1,392	1,362	1,416	1,400	1,276	1,367	1,305	1,342	1,386
No graduate debt	889	874	968	953	985	989	938	1,022	969	995	1,074
\$10,000 or less	138	130	132	127	119	129	108	115	108	115	100
\$10,001–\$30,000	131	122	111	104	124	98	95	89	87	83	81
\$30,001–\$70,000	117	105	102	96	94	74	62	58	82	66	63
\$70,001 or more	61	81	79	82	94	110	73	83	59	83	68
Biological and biomedical sciences	8,003	8,268	8,012	8,196	8,218	7,940	7,566	8,607	8,844	8,936	9,059
No graduate debt	5,981	6,216	6,149	6,287	6,338	6,212	6,083	6,988	7,072	7,183	7,356
\$10,000 or less	637	618	605	605	566	531	405	428	495	486	483
\$10,001–\$30,000	582	596	489	497	501	394	344	414	476	476	449
\$30,001–\$70,000	441	481	408	411	424	427	361	396	394	407	396
\$70,001 or more	362	357	361	396	389	376	373	381	407	384	375
Computer and information sciences	1,774	1,892	1,803	1,802	2,043	2,161	2,127	2,363	2,391	2,611	2,926
No graduate debt	1,408	1,499	1,464	1,485	1,704	1,802	1,801	2,035	2,024	2,219	2,496
\$10,000 or less	119	106	111	110	112	110	110	107	122	106	141
\$10,001–\$30,000	89	113	94	80	86	115	87	94	94	114	125
\$30,001–\$70,000	81	90	59	61	74	57	66	69	76	82	88
\$70,001 or more	77	84	75	66	67	77	63	58	75	90	76
Engineering	8,827	8,549	8,852	9,288	9,429	9,649	9,391	10,419	10,289	10,009	10,281
No graduate debt	6,787	6,555	7,032	7,488	7,573	7,876	7,732	8,681	8,562	8,344	8,598
\$10,000 or less	774	759	679	716	639	635	549	566	609	603	626
\$10,001–\$30,000	613	568	520	516	577	494	492	519	529	486	488
\$30,001–\$70,000	420	416	362	341	345	317	339	373	356	364	345
\$70,001 or more	233	251	259	227	295	327	279	280	233	212	224
Geosciences, atmospheric, and ocean sciences	969	1,163	1,085	1,117	1,199	1,157	1,001	1,094	1,132	1,135	1,131
No graduate debt	714	877	835	858	926	912	796	937	928	935	928

Table 1-13. Graduate debt of research doctorate recipients, by trend broad field of doctorate: 2015–25

(Number)

Graduate debt level and field	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
\$10,000 or less	91	100	88	96	83	102	72	56	64	73	78
\$10,001–\$30,000	67	84	65	82	73	66	55	40	59	55	54
\$30,001–\$70,000	61	55	59	45	58	39	43	36	42	36	43
\$70,001 or more	36	47	38	36	59	38	35	25	39	36	28
Health sciences	1,967	2,056	2,213	2,230	2,265	2,342	2,005	2,197	2,145	2,210	2,167
No graduate debt	942	1,010	1,096	1,161	1,166	1,228	1,085	1,277	1,174	1,256	1,208
\$10,000 or less	165	166	176	143	151	143	133	114	134	119	136
\$10,001–\$30,000	230	222	218	214	227	232	147	179	171	212	176
\$30,001–\$70,000	299	318	336	329	273	289	253	255	280	257	262
\$70,001 or more	331	340	387	383	448	450	387	372	386	366	385
Mathematics and statistics	1,633	1,697	1,665	1,873	1,846	1,875	1,857	2,035	1,980	1,901	1,953
No graduate debt	1,339	1,386	1,371	1,560	1,546	1,602	1,574	1,761	1,751	1,640	1,710
\$10,000 or less	103	84	107	105	99	98	93	74	92	82	94
\$10,001–\$30,000	86	104	81	90	83	74	79	81	65	68	72
\$30,001–\$70,000	63	75	56	78	67	55	56	56	42	59	48
\$70,001 or more	42	48	50	40	51	46	55	63	30	52	29
Physical sciences	4,359	4,585	4,540	4,753	4,924	4,644	4,366	5,048	4,999	4,963	4,879
No graduate debt	3,450	3,653	3,749	3,966	4,097	3,997	3,810	4,366	4,281	4,250	4,243
\$10,000 or less	369	384	304	350	311	257	209	261	285	275	263
\$10,001–\$30,000	257	251	233	187	244	168	169	188	210	225	173
\$30,001–\$70,000	176	188	158	155	148	132	110	128	127	132	110
\$70,001 or more	107	109	96	95	124	90	68	105	96	81	90
Psychology	3,091	3,345	3,356	3,288	3,359	3,288	3,190	3,401	3,322	3,462	3,443
No graduate debt	1,161	1,384	1,426	1,487	1,568	1,518	1,519	1,771	1,723	1,769	1,877
\$10,000 or less	228	243	242	205	202	218	166	170	186	195	189
\$10,001–\$30,000	357	370	370	303	270	297	278	285	275	278	276
\$30,001–\$70,000	523	489	458	416	386	361	356	369	345	391	366
\$70,001 or more	822	859	860	877	933	894	871	806	793	829	735
Social sciences	4,828	4,791	4,660	4,632	4,702	4,683	4,464	4,822	4,762	4,822	4,697
No graduate debt	2,517	2,618	2,668	2,681	2,771	2,924	2,835	3,231	3,247	3,328	3,263
\$10,000 or less	448	449	408	404	348	351	279	287	354	327	283
\$10,001–\$30,000	594	523	476	433	454	402	361	375	346	321	307
\$30,001–\$70,000	611	580	524	502	454	398	391	360	327	348	329
\$70,001 or more	658	621	584	612	675	608	598	569	488	498	515
Non-science and engineering	11,972	12,120	11,651	11,499	11,323	11,225	10,006	10,629	10,775	10,657	10,498
No graduate debt	5,702	5,915	5,844	5,920	6,036	6,019	5,650	6,141	6,376	6,312	6,398
\$10,000 or less	1,117	1,032	950	970	839	825	615	680	677	665	674
\$10,001–\$30,000	1,458	1,423	1,240	1,214	1,151	1,071	834	967	912	898	794

Table 1-13. Graduate debt of research doctorate recipients, by trend broad field of doctorate: 2015–25

(Number)

Graduate debt level and field	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
\$30,001–\$70,000	1,708	1,731	1,586	1,468	1,350	1,332	1,137	1,112	1,110	1,121	1,073
\$70,001 or more	1,987	2,019	2,031	1,927	1,947	1,978	1,770	1,729	1,700	1,661	1,559
Business	1,372	1,329	1,344	1,274	1,350	1,254	1,210	1,275	1,348	1,206	1,162
No graduate debt	816	821	841	822	882	861	852	916	1,021	857	881
\$10,000 or less	79	86	66	72	77	65	47	74	60	57	59
\$10,001–\$30,000	127	111	112	117	102	76	86	89	91	78	43
\$30,001–\$70,000	150	139	136	103	114	95	71	65	57	85	66
\$70,001 or more	200	172	189	160	175	157	154	131	119	129	113
Education	4,490	4,621	4,299	4,355	4,199	4,266	3,769	3,918	4,019	4,012	4,017
No graduate debt	1,942	2,038	1,892	1,951	1,976	2,003	1,868	1,917	2,005	2,085	2,087
\$10,000 or less	396	369	340	339	267	292	227	240	262	257	250
\$10,001–\$30,000	555	557	483	480	421	433	337	382	381	384	351
\$30,001–\$70,000	711	718	673	667	621	600	494	528	535	504	548
\$70,001 or more	886	939	911	918	914	938	843	851	836	782	781
Humanities and arts	4,873	4,890	4,676	4,614	4,507	4,369	3,659	3,976	3,917	3,945	3,871
No graduate debt	2,394	2,515	2,507	2,550	2,564	2,511	2,231	2,492	2,529	2,554	2,594
\$10,000 or less	537	461	439	457	402	355	244	269	258	255	266
\$10,001–\$30,000	629	599	503	483	476	429	286	371	317	315	288
\$30,001–\$70,000	640	652	549	513	466	473	409	362	342	366	314
\$70,001 or more	673	663	678	611	599	601	489	482	471	455	409
Other non-science and engineering	1,237	1,280	1,332	1,256	1,267	1,336	1,368	1,460	1,491	1,494	1,448
No graduate debt	550	541	604	597	614	644	699	816	821	816	836
\$10,000 or less	105	116	105	102	93	113	97	97	97	96	99
\$10,001–\$30,000	147	156	142	134	152	133	125	125	123	121	112
\$30,001–\$70,000	207	222	228	185	149	164	163	157	176	166	145
\$70,001 or more	228	245	253	238	259	282	284	265	274	295	256

Note(s):
The survey data collection for the field of study changed in 2021, which may affect the data comparison across years. This table uses a trend field taxonomy that facilitates trend comparisons with prior years (see [table A-5](#)). 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.

Table 1-14. Highest educational attainment of either parent of research doctorate recipients: 1970–2025

(Percent)

Year	High school or less	Some college ^a	Bachelor's degree	Master's degree	Professional doctorate ^b	Research doctorate
1970	47.9	16.7	19.3	11.7	na	4.4
1971	46.9	16.6	19.3	12.6	na	4.7
1972	46.2	16.4	19.7	12.8	na	4.9
1973	45.7	16.8	19.5	13.2	na	4.8
1974	45.3	16.8	19.7	13.3	na	4.8
1975	44.2	16.1	20.7	13.7	na	5.2
1976	43.8	16.3	20.1	14.3	na	5.4
1977	43.1	16.5	20.5	14.3	na	5.7
1978	41.6	16.4	20.9	15.2	na	5.9
1979	41.1	16.6	21.0	15.3	na	6.0
1980	40.8	16.0	21.7	15.4	na	6.1
1981	39.9	15.8	21.8	16.0	na	6.4
1982	39.4	15.8	21.6	16.3	na	7.0
1983	38.1	15.7	22.2	16.9	na	7.1
1984	38.3	15.0	22.5	16.9	na	7.3
1985	37.9	14.7	22.6	17.5	na	7.3
1986	37.1	14.6	22.6	17.8	na	7.9
1987	36.4	14.5	22.6	18.0	na	8.6
1988	35.2	14.7	22.8	18.6	na	8.7
1989	34.5	13.9	23.4	19.0	na	9.1
1990	32.9	15.2	20.9	13.8	7.0	10.3
1991	32.5	15.3	20.3	12.5	8.7	10.8
1992	31.4	15.4	20.9	12.4	8.8	11.1
1993	31.2	15.1	20.8	12.8	8.6	11.4
1994	30.0	15.2	21.1	12.9	8.9	11.9
1995	28.7	15.1	21.6	14.0	8.8	11.8
1996	28.2	14.3	21.9	14.4	8.6	12.5
1997	26.5	13.9	22.6	15.1	8.6	13.4
1998	25.8	13.7	22.4	15.5	8.9	13.7
1999	25.1	13.6	21.9	16.1	9.1	14.2
2000	25.2	13.3	22.4	16.2	9.0	14.0
2001	23.9	13.6	22.3	17.0	8.9	14.2
2002	23.6	13.5	22.9	17.0	8.9	14.2
2003	23.2	13.3	23.2	17.2	9.0	14.0
2004	22.8	13.4	23.9	18.8	8.9	12.1
2005	22.3	13.5	24.8	19.0	8.8	11.6
2006	21.8	13.4	25.6	19.4	8.6	11.3
2007	21.3	13.5	26.0	19.7	9.3	10.3
2008	20.9	13.4	25.5	20.5	9.3	10.4
2009	20.2	13.0	25.4	21.3	10.0	10.2
2010	19.2	13.1	25.5	21.3	10.4	10.5
2011	19.2	13.0	25.6	21.7	9.9	10.6
2012	19.0	12.5	25.7	21.8	10.3	10.7
2013	18.6	12.7	25.5	22.5	10.0	10.6
2014	18.2	12.3	26.2	22.3	10.3	10.6
2015	18.1	12.3	26.7	22.2	10.0	10.7
2016	17.7	12.8	26.1	22.7	10.0	10.7
2017	17.4	13.4	26.2	22.1	9.4	11.4
2018	16.3	12.9	26.5	22.2	9.6	12.4
2019	16.6	13.1	26.6	22.3	9.4	12.1
2020	16.1	13.2	27.1	22.5	9.2	11.9
2021	14.9	13.1	26.1	22.0	8.7	15.2
2022	15.7	13.1	26.9	22.9	8.8	12.7

Table 1-14. Highest educational attainment of either parent of research doctorate recipients: 1970–2025

(Percent)

Year	High school or less	Some college ^a	Bachelor's degree	Master's degree	Professional doctorate ^b	Research doctorate
2023	17.3	13.2	27.2	22.3	8.6	11.3
2024	15.8	13.2	27.2	23.7	8.3	11.9
2025	15.5	13.1	27.0	24.2	8.5	11.8

na = not applicable; added to survey in 1990.

^a Some college includes those who attended college but did not earn a bachelor's degree.

^b Professional doctorate includes professional doctorates such as MD, DDS, DVM, JD, PsyD, DDiv.

Note(s):

Excludes doctorate recipients who did not report parental education for either parent or reported "not applicable or unknown" for both parents' education. If data were provided for one parent, that response is used; when data were provided for two parents, the higher attainment is used. Due to rounding, percentages may not sum to 100.

Source(s):

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

Table 2-1. Postgraduation commitment of research doctorate recipients, by trend broad field of doctorate: Selected years, 1995–2025

(Number and percent)

Commitment status and year	All fields	Science and engineering											Non-science and engineering				
		Total	Agricultural sciences and natural resources	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric, and ocean sciences	Health sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Total	Business	Education	Humanities and arts	Other non-science and engineering
All doctorate recipients (number)																	
1995	41,747	27,704	1,348	5,529	997	6,008	726	1,121	1,190	3,814	3,429	3,542	14,043	1,330	6,648	4,999	1,066
2000	41,369	27,420	1,229	6,044	860	5,323	693	1,349	1,050	3,378	3,616	3,878	13,949	1,065	6,442	5,420	1,022
2005	43,385	29,621	1,207	6,638	1,129	6,426	714	1,465	1,205	3,645	3,322	3,870	13,764	1,171	6,227	5,144	1,222
2010	48,028	35,043	1,157	8,370	1,633	7,578	862	1,792	1,590	4,133	3,420	4,508	12,985	1,366	5,287	4,969	1,363
2015	54,886	41,247	1,490	8,783	2,003	9,875	1,057	2,220	1,815	4,859	3,776	5,369	13,639	1,582	5,098	5,522	1,437
2020	55,200	42,561	1,531	8,403	2,363	10,468	1,241	2,606	2,024	5,000	3,865	5,060	12,639	1,466	4,712	4,924	1,537
2025	59,015	46,876	1,538	9,850	3,438	11,536	1,227	2,487	2,175	5,362	4,076	5,187	12,139	1,398	4,610	4,418	1,713
All postgraduation commitments (number)																	
1995	37,977	25,195	1,214	5,094	914	5,385	667	1,006	1,093	3,481	3,057	3,284	12,782	1,223	5,998	4,611	950
2000	37,743	25,067	1,135	5,653	777	4,830	630	1,220	982	3,087	3,196	3,557	12,676	960	5,795	5,000	921
2005	38,913	26,778	1,057	6,129	1,002	5,774	656	1,314	1,097	3,336	2,878	3,535	12,135	1,007	5,477	4,576	1,075
2010	43,833	32,145	1,044	7,807	1,456	6,963	800	1,628	1,484	3,802	3,003	4,158	11,688	1,191	4,745	4,527	1,225
2015	49,002	36,969	1,342	8,056	1,771	8,871	969	1,988	1,633	4,381	3,112	4,846	12,033	1,366	4,521	4,905	1,241
2020	50,464	39,204	1,403	7,951	2,161	9,655	1,161	2,350	1,878	4,645	3,306	4,694	11,260	1,259	4,284	4,377	1,340
2025	52,607	42,062	1,393	9,074	2,949	10,323	1,135	2,176	1,966	4,888	3,447	4,711	10,545	1,167	4,041	3,876	1,461
Definite commitment for employment or postdoctoral training (%)																	
1995	65.8	64.7	61.2	73.0	67.7	57.0	60.7	67.3	60.0	65.5	66.7	63.4	68.0	75.5	72.9	59.1	70.1
2000	71.2	71.6	65.3	73.4	77.2	69.9	72.1	74.3	75.1	73.9	70.4	69.2	70.3	82.5	75.2	61.8	73.6
2005	70.5	70.3	64.5	71.2	72.9	64.6	75.0	72.4	76.1	71.1	73.3	72.6	70.7	81.9	73.9	64.5	70.2
2010	68.1	68.4	65.1	65.2	71.4	65.4	74.8	69.7	71.6	71.4	72.9	70.2	67.2	79.4	70.7	60.0	68.4
2015	62.0	62.0	60.3	57.3	69.8	58.2	69.2	63.1	69.7	59.3	72.3	66.0	61.9	77.7	64.5	54.7	63.7
2020	70.0	70.4	68.1	65.3	78.2	68.4	72.7	70.2	74.3	69.0	80.3	72.3	68.6	83.4	72.5	59.5	71.4
2025	67.2	66.7	67.9	59.2	73.9	65.6	70.4	69.2	69.1	63.2	76.5	71.7	69.2	80.9	73.0	61.8	69.3
No definite commitment for employment or postdoctoral training (%) ^a																	
1995	34.2	35.3	38.8	27.0	32.3	43.0	39.3	32.7	40.0	34.5	33.3	36.6	32.0	24.5	27.1	40.9	29.9
2000	28.8	28.4	34.7	26.6	22.8	30.1	27.9	25.7	24.9	26.1	29.6	30.8	29.7	17.5	24.8	38.2	26.4
2005	29.5	29.7	35.5	28.8	27.1	35.4	25.0	27.6	23.9	28.9	26.7	27.4	29.3	18.1	26.1	35.5	29.8

Table 2-1. Postgraduation commitment of research doctorate recipients, by trend broad field of doctorate: Selected years, 1995–2025

(Number and percent)

Commitment status and year	All fields	Science and engineering											Non-science and engineering				
		Total	Agricultural sciences and natural resources	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric, and ocean sciences	Health sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Total	Business	Education	Humanities and arts	Other non-science and engineering
2010	31.9	31.6	34.9	34.8	28.6	34.6	25.3	30.3	28.4	28.6	27.1	29.8	32.8	20.6	29.3	40.0	31.6
2015	38.0	38.0	39.7	42.7	30.2	41.8	30.8	36.9	30.3	40.7	27.7	34.0	38.1	22.3	35.5	45.3	36.3
2020	30.0	29.6	31.9	34.7	21.8	31.6	27.3	29.8	25.7	31.0	19.7	27.7	31.4	16.6	27.5	40.5	28.6
2025	32.8	33.3	32.1	40.8	26.1	34.4	29.6	30.8	30.9	36.8	23.5	28.3	30.8	19.1	27.0	38.2	30.7

^a No definite commitment for employment or postdoctoral training includes doctorate recipients who indicated "other" in all years, doctorate recipients who indicated "do not plan to work or study" in 2004 and later years, and doctorate recipients who indicated definite plans for "other full-time degree program" in 2007 and later years.

Note(s):
A definite postgraduation commitment includes accepting new employment or a postdoctoral study (postdoc) position or returning to predoctoral employment. Due to rounding, percentages may not sum to 100. The survey data collection for the field of study changed in 2021, which may affect the data comparison across years. This table uses a trend field taxonomy that facilitates trend comparisons with prior years (see [table A-5](#)). 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.

Table 2-2. Postgraduation commitment of research doctorate recipients, by sex, citizenship status, ethnicity, and race: Selected years, 1995–2025

(Number and percent)

Commitment status and year	Total ^a	Sex		Citizenship status		U.S. citizens and permanent residents							
		Male	Female	U.S. citizen or permanent resident	Temporary visa holder	Hispanic or Latino	Not Hispanic or Latino						Ethnicity not reported
							American Indian or Alaska Native	Asian ^b	Black or African American	White	More than one race	Other race or race not reported ^c	
All doctorate recipients (number)													
1995	41,747	25,160	16,416	32,062	8,831	1,065	147	4,297	1,461	24,683	na	170	239
2000	41,369	23,165	18,131	29,952	9,667	1,310	169	2,274	1,749	23,714	na	370	366
2005	43,385	23,737	19,582	27,945	12,832	1,435	137	2,155	1,741	21,208	395	306	568
2010	48,028	25,524	22,488	31,602	13,636	1,842	117	2,738	1,939	23,100	654	272	940
2015	54,886	29,532	25,347	35,071	16,129	2,449	131	3,072	2,275	25,375	903	249	617
2020	55,200	29,844	25,350	34,458	18,473	2,850	97	3,212	2,453	23,925	1,134	353	434
2025	59,015	30,214	28,801	36,235	19,340	3,781	108	4,230	2,990	22,410	1,396	611	709
All postgraduation commitments (number)													
1995	37,977	22,959	15,013	29,963	8,005	982	138	3,895	1,299	23,363	na	134	152
2000	37,743	21,175	16,568	28,602	9,101	1,236	162	2,161	1,632	22,895	na	347	169
2005	38,913	21,319	17,590	26,680	12,167	1,357	132	2,084	1,646	20,591	384	277	209
2010	43,833	23,339	20,493	30,597	13,008	1,782	113	2,678	1,881	22,698	650	253	542
2015	49,002	26,424	22,578	33,609	15,278	2,327	121	3,006	2,161	24,708	896	219	171
2020	50,464	27,333	23,131	32,863	17,440	2,719	84	3,100	2,313	23,109	1,126	267	145
2025	52,607	27,015	25,592	34,172	18,136	3,568	92	4,044	2,840	21,478	1,386	506	258
Definite commitment for employment or postdoctoral training (%)													
1995	65.8	65.2	66.7	67.6	58.9	66.0	68.1	56.8	67.9	69.5	na	61.2	66.4
2000	71.2	72.5	69.5	72.3	67.7	71.4	72.8	66.4	67.7	73.4	na	64.3	65.1
2005	70.5	71.3	69.5	72.4	66.2	69.9	68.2	65.9	66.8	73.9	64.6	69.7	70.8
2010	68.1	69.6	66.3	68.8	66.3	66.1	66.4	61.8	63.4	70.4	69.4	65.6	66.1
2015	62.0	63.2	60.6	63.5	58.7	57.2	57.9	56.8	55.5	65.7	62.3	66.7	62.6
2020	70.0	70.6	69.2	69.8	70.1	68.0	75.0	66.6	65.3	71.1	67.1	64.4	66.9
2025	67.2	67.8	66.5	65.7	69.8	63.1	73.9	60.6	62.1	67.5	66.5	63.0	71.3
No definite commitment for employment or postdoctoral training (%) ^d													
1995	34.2	34.8	33.3	32.4	41.1	34.0	31.9	43.2	32.1	30.5	na	38.8	33.6
2000	28.8	27.5	30.5	27.7	32.3	28.6	27.2	33.6	32.3	26.6	na	35.7	34.9
2005	29.5	28.7	30.5	27.6	33.8	30.1	31.8	34.1	33.2	26.1	35.4	30.3	29.2
2010	31.9	30.4	33.7	31.2	33.7	33.9	33.6	38.2	36.6	29.6	30.6	34.4	33.9
2015	38.0	36.8	39.4	36.5	41.3	42.8	42.1	43.2	44.5	34.3	37.7	33.3	37.4
2020	30.0	29.4	30.8	30.2	29.9	32.0	25.0	33.4	34.7	28.9	32.9	35.6	33.1
2025	32.8	32.2	33.5	34.3	30.2	36.9	26.1	39.4	37.9	32.5	33.5	37.0	28.7

na = not applicable; doctorate recipients were instructed to indicate only one race before 2001.

^a Total includes doctorate recipients who did not report sex or citizenship status.

^b Asian includes Native Hawaiians or Other Pacific Islanders through 2000 but excludes them since 2001.

^c Before 2001, other race included doctorate recipients who selected more than one race. Since 2001, other race has included Native Hawaiians or Other Pacific Islanders, who previously had been included in the category Asian.

^d No definite commitment for employment or postdoctoral training includes doctorate recipients who indicated "other" in all years, doctorate recipients who indicated "do not plan to work or study" in 2004 and later years, and doctorate recipients who indicated definite plans for "other full-time degree program" in 2007 and later years.

Note(s):

A definite postgraduation commitment includes accepting new employment or a postdoctoral study (postdoc) position or returning to predoctoral employment. Hispanic or Latino may be of any race; race categories exclude Hispanic origin. Due to rounding, percentages may not sum to 100.

Source(s):

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

Table 2-3. Postgraduation location and plans of research doctorate recipients with definite commitments, by location of commitment and trend broad field of doctorate: Selected years, 1995–2025

(Number and percent)

Definite commitment, location, type of plan, and year	All fields	Science and engineering											Non-science and engineering				
		Total	Agricultural sciences and natural resources	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric, and ocean sciences	Health sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Total	Business	Education	Humanities and arts	Other non-science and engineering
All definite commitments (number)																	
1995	24,977	16,289	743	3,721	619	3,068	405	677	656	2,281	2,038	2,081	8,688	923	4,374	2,725	666
2000	26,868	17,954	741	4,150	600	3,374	454	906	737	2,282	2,249	2,461	8,914	792	4,355	3,089	678
2005	27,416	18,835	682	4,366	730	3,732	492	951	835	2,371	2,111	2,565	8,581	825	4,049	2,952	755
2010	29,841	21,984	680	5,093	1,040	4,551	598	1,135	1,062	2,716	2,189	2,920	7,857	946	3,357	2,716	838
2015	30,385	22,932	809	4,617	1,237	5,163	671	1,254	1,138	2,596	2,250	3,197	7,453	1,062	2,917	2,683	791
2020	35,310	27,591	956	5,195	1,689	6,606	844	1,650	1,396	3,205	2,656	3,394	7,719	1,050	3,108	2,604	957
2025	35,345	28,044	946	5,374	2,179	6,775	799	1,505	1,359	3,090	2,637	3,380	7,301	944	2,949	2,395	1,013
Reported type of plan (number)																	
1995	24,821	16,215	739	3,714	612	3,060	402	673	653	2,275	2,022	2,065	8,606	920	4,328	2,697	661
2000	26,744	17,872	737	4,128	596	3,358	451	900	736	2,273	2,242	2,451	8,872	790	4,329	3,079	674
2005	27,086	18,632	665	4,301	726	3,702	488	940	830	2,359	2,083	2,538	8,454	813	3,978	2,916	747
2010	28,995	21,476	654	5,014	1,017	4,445	587	1,100	1,046	2,681	2,107	2,825	7,519	910	3,213	2,612	784
2015	27,787	21,191	734	4,316	1,115	4,754	627	1,105	1,091	2,461	2,103	2,885	6,596	940	2,612	2,366	678
2020	35,267	27,550	954	5,180	1,689	6,602	843	1,647	1,396	3,203	2,649	3,387	7,717	1,050	3,108	2,602	957
2025	35,299	28,001	944	5,355	2,178	6,768	799	1,503	1,358	3,087	2,633	3,376	7,298	944	2,947	2,394	1,013
In the United States (%)																	
1995	88.0	86.5	70.8	91.1	85.5	83.3	80.1	88.6	83.2	88.1	96.6	79.2	90.9	84.5	93.6	89.4	87.6
2000	90.7	90.0	74.2	93.8	90.8	88.4	88.2	89.0	89.7	91.0	97.4	83.7	92.0	86.5	94.2	90.9	89.9
2005	90.3	89.4	79.7	94.6	88.3	87.3	88.3	90.6	85.3	91.3	96.7	80.3	92.0	85.0	94.5	91.3	89.4
2010	88.9	88.2	83.0	93.1	86.5	86.5	86.4	93.3	84.1	87.4	95.2	79.5	91.1	82.7	94.6	90.6	88.1
2015	89.9	89.5	84.2	92.1	90.6	89.7	88.0	93.8	87.1	88.5	96.2	81.7	91.0	86.1	94.3	89.6	90.0
2020	90.2	90.3	83.3	93.7	88.7	90.6	87.7	90.4	87.2	90.8	96.9	83.4	90.0	84.0	93.5	89.1	88.2
2025	91.5	91.6	90.4	95.0	92.2	92.2	89.6	94.0	85.0	90.1	97.0	84.0	91.3	86.4	94.8	89.6	89.8
Employment plans (%)																	
1995	61.7	48.1	43.8	17.3	71.1	61.8	38.1	72.5	60.5	30.0	66.6	69.7	87.2	82.4	90.4	84.5	84.3
2000	64.5	53.2	47.6	22.7	82.7	69.6	42.4	73.4	60.5	39.8	61.9	73.3	87.3	83.7	90.3	84.7	84.4
2005	57.8	45.2	45.4	17.6	68.3	57.5	34.4	69.8	49.4	30.1	50.6	68.6	85.6	82.7	89.2	82.2	82.5
2010	50.7	39.5	39.9	17.3	59.3	46.6	32.7	62.2	43.8	22.4	45.1	63.8	82.7	79.1	88.4	78.3	77.9
2015	54.6	46.6	43.2	23.0	72.4	58.1	31.9	64.5	51.1	33.7	40.5	64.2	80.1	82.1	85.9	73.8	76.8
2020	55.4	48.9	44.8	30.7	71.9	58.0	32.9	57.9	54.7	39.6	38.7	62.7	78.6	79.5	84.5	72.8	74.3
2025	55.0	49.0	44.3	29.5	72.5	58.7	33.3	60.3	49.7	38.9	40.8	60.7	78.0	80.8	84.9	69.4	75.9

Table 2-3. Postgraduation location and plans of research doctorate recipients with definite commitments, by location of commitment and trend broad field of doctorate: Selected years, 1995–2025

(Number and percent)

Definite commitment, location, type of plan, and year	All fields	Science and engineering											Non-science and engineering				
		Total	Agricultural sciences and natural resources	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric, and ocean sciences	Health sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Total	Business	Education	Humanities and arts	Other non-science and engineering
Postdoctoral training plans (%)																	
1995	26.4	38.5	26.9	73.7	14.4	21.5	42.0	16.0	22.7	58.1	30.1	9.5	3.7	2.1	3.2	5.0	3.3
2000	26.2	36.9	26.6	71.1	8.1	18.9	45.9	15.6	29.2	51.2	35.5	10.4	4.7	2.8	3.9	6.1	5.5
2005	32.4	44.2	34.3	77.0	20.0	29.7	53.9	20.9	35.9	61.2	46.0	11.6	6.5	2.3	5.3	9.1	7.0
2010	38.2	48.7	43.1	75.8	27.2	39.9	53.7	31.1	40.3	64.9	50.1	15.7	8.4	3.6	6.3	12.3	10.2
2015	35.3	42.9	41.0	69.1	18.2	31.7	56.1	29.3	36.0	54.8	55.7	17.5	10.9	3.9	8.3	15.8	13.1
2020	34.8	41.4	38.6	63.0	16.8	32.6	54.8	32.5	32.6	51.2	58.1	20.7	11.4	4.5	9.0	16.3	13.9
2025	36.5	42.6	46.1	65.5	19.7	33.5	56.3	33.7	35.3	51.1	56.2	23.4	13.3	5.6	9.9	20.2	13.9
Abroad or unknown (%)																	
1995	12.0	13.5	29.2	8.9	14.5	16.7	19.9	11.4	16.8	11.9	3.4	20.8	9.1	15.5	6.4	10.6	12.4
2000	9.3	10.0	25.8	6.2	9.2	11.6	11.8	11.0	10.3	9.0	2.6	16.3	8.0	13.5	5.8	9.1	10.1
2005	9.7	10.6	20.3	5.4	11.7	12.7	11.7	9.4	14.7	8.7	3.3	19.7	8.0	15.0	5.5	8.7	10.6
2010	11.1	11.8	17.0	6.9	13.5	13.5	13.6	6.7	15.9	12.6	4.8	20.5	8.9	17.3	5.4	9.4	11.9
2015	10.1	10.5	15.8	7.9	9.4	10.3	12.0	6.2	12.9	11.5	3.8	18.3	9.0	13.9	5.7	10.4	10.0
2020	9.8	9.7	16.7	6.3	11.3	9.4	12.3	9.6	12.8	9.2	3.1	16.6	10.0	16.0	6.5	10.9	11.8
2025	8.5	8.4	9.6	5.0	7.8	7.8	10.4	6.0	15.0	9.9	3.0	16.0	8.7	13.6	5.2	10.4	10.2
Employment plans (%)																	
1995	8.6	8.9	24.2	3.4	10.6	13.4	10.9	9.8	9.5	2.7	2.5	18.2	8.1	14.9	5.7	8.9	11.2
2000	6.9	6.9	19.9	2.7	7.7	9.3	5.8	9.6	4.9	3.4	1.5	14.6	6.8	12.8	4.9	7.3	9.6
2005	6.7	6.7	12.6	2.0	9.5	9.7	4.5	7.9	5.1	1.9	1.9	16.7	6.8	13.7	4.5	7.1	9.9
2010	6.4	6.0	10.6	1.8	7.9	8.3	3.2	4.9	4.8	2.5	2.2	15.3	7.5	16.3	4.8	6.8	10.5
2015	5.7	5.3	10.5	2.5	5.5	6.3	3.5	4.7	3.5	2.2	1.8	12.8	7.2	12.9	5.2	6.7	8.8
2020	6.2	5.8	11.2	2.8	8.0	6.6	3.6	7.9	4.7	3.1	1.2	12.0	7.7	14.6	5.8	6.6	9.7
2025	4.7	4.3	5.6	1.8	5.2	4.6	2.9	4.9	3.3	2.5	1.7	10.7	6.4	12.0	4.6	5.8	7.8
Postdoctoral training plans (%)																	
1995	3.3	4.6	5.0	5.5	3.9	3.3	9.0	1.6	7.4	9.1	0.8	2.7	1.0	0.7	0.6	1.7	1.2
2000	2.4	3.0	5.8	3.4	1.5	2.3	6.0	1.4	5.4	5.6	1.1	1.8	1.2	0.8	0.9	1.8	0.4
2005	3.0	3.9	7.7	3.4	2.2	3.1	7.2	1.5	9.6	6.7	1.4	3.1	1.2	1.4	0.9	1.6	0.7
2010	4.7	5.9	6.4	5.1	5.6	5.2	10.4	1.8	11.1	10.1	2.6	5.2	1.4	1.0	0.6	2.6	1.4
2015	4.4	5.2	5.3	5.4	3.9	4.0	8.5	1.4	9.4	9.3	2.0	5.5	1.8	1.1	0.5	3.7	1.2
2020	3.6	4.0	5.5	3.5	3.3	2.8	8.8	1.7	8.0	6.2	1.9	4.6	2.2	1.4	0.8	4.3	2.1
2025	3.8	4.1	4.0	3.2	2.6	3.2	7.5	1.1	11.7	7.5	1.3	5.2	2.3	1.6	0.5	4.6	2.4

Note(s):
Percentages are based on the number of definite postgraduation commitments and the type of plan (employment or postdoctoral study [postdoc]). A definite postgraduation commitment includes accepting new employment or a postdoc position or returning to predoctoral employment. Due to rounding, percentages may not sum to 100. The survey data collection for the field of study changed in 2021, which may affect the data comparison across years. This table uses a trend field taxonomy that facilitates trend comparisons with prior years (see [table A-5](#)). 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.

Table 2-4. Postgraduation location and plans of research doctorate recipients with definite commitments, by sex, citizenship status, ethnicity, and race: Selected years, 1995–2025

(Number and percent)

Definite commitment, plan, and year	Total ^a	Sex		Citizenship status		U.S. citizens and permanent residents							
		Male	Female	U.S. citizen or permanent resident	Temporary visa holder	Hispanic or Latino	Not Hispanic or Latino						Ethnicity not reported
							American Indian or Alaska Native	Asian ^b	Black or African American	White	More than one race	Other race or race not reported ^c	
All definite commitments (number)													
1995	24,977	14,964	10,011	20,251	4,718	648	94	2,212	882	16,232	na	82	101
2000	26,868	15,359	11,509	20,683	6,162	883	118	1,435	1,105	16,809	na	223	110
2005	27,416	15,195	12,218	19,314	8,059	948	90	1,374	1,100	15,213	248	193	148
2010	29,841	16,254	13,587	21,055	8,625	1,178	75	1,655	1,192	15,980	451	166	358
2015	30,385	16,694	13,691	21,348	8,963	1,332	70	1,708	1,199	16,228	558	146	107
2020	35,310	19,295	16,015	22,950	12,225	1,849	63	2,066	1,510	16,437	756	172	97
2025	35,345	18,329	17,016	22,458	12,651	2,251	68	2,450	1,763	14,502	921	319	184
Reported type of plan (number)													
1995	24,821	14,881	9,938	20,127	4,686	640	93	2,196	869	16,149	na	82	98
2000	26,744	15,283	11,461	20,605	6,119	876	116	1,425	1,099	16,758	na	223	108
2005	27,086	15,023	12,060	19,073	7,971	937	88	1,355	1,084	15,031	246	188	144
2010	28,995	15,820	13,175	20,384	8,454	1,130	71	1,617	1,139	15,482	432	164	349
2015	27,787	15,351	12,436	19,373	8,345	1,153	61	1,542	1,068	14,808	512	133	96
2020	35,267	19,278	15,989	22,917	12,217	1,847	62	2,062	1,507	16,415	755	172	97
2025	35,299	18,307	16,992	22,427	12,638	2,247	68	2,449	1,762	14,482	921	317	181
In the United States (%)													
1995	88.0	84.8	92.8	96.0	53.8	95.8	97.8	93.6	98.5	96.2	na	91.5	94.9
2000	90.7	88.5	93.6	97.0	69.6	95.8	94.8	95.7	99.0	97.1	na	93.3	96.3
2005	90.3	88.2	92.8	97.1	73.9	98.4	97.7	96.2	99.2	97.1	94.7	94.7	93.8
2010	88.9	86.9	91.4	95.4	73.3	95.6	94.4	93.9	98.9	95.4	94.7	92.7	93.7
2015	89.9	88.4	91.7	95.5	76.8	96.3	98.4	94.9	98.0	95.4	93.8	92.5	87.5
2020	90.2	88.6	92.2	96.7	78.2	97.6	96.8	95.2	99.1	96.6	96.8	92.4	97.9
2025	91.5	89.9	93.3	96.9	82.2	97.6	98.5	96.3	98.6	96.7	95.1	96.2	96.7
Employment plans (%)													
1995	61.7	56.6	69.2	69.8	26.7	70.2	72.0	46.8	81.4	72.3	na	65.9	64.3
2000	64.5	61.3	68.8	72.1	39.0	68.6	75.0	59.6	80.7	72.8	na	65.5	71.3
2005	57.8	54.2	62.3	66.8	36.4	64.7	77.3	53.7	73.9	67.6	65.4	59.6	70.8
2010	50.7	47.8	54.3	59.4	29.8	58.2	62.0	50.5	71.3	59.8	49.8	56.7	59.3
2015	54.6	53.5	56.0	61.0	39.7	54.9	62.3	56.7	71.0	61.3	58.8	56.4	62.5
2020	55.4	54.1	56.9	62.1	42.9	60.3	75.8	58.7	75.0	61.6	58.5	62.2	75.3
2025	55.0	54.2	55.9	61.1	44.1	57.6	76.5	56.6	73.4	61.0	56.5	66.2	63.5
Postdoctoral training plans (%)													

Table 2-4. Postgraduation location and plans of research doctorate recipients with definite commitments, by sex, citizenship status, ethnicity, and race: Selected years, 1995–2025

(Number and percent)

Definite commitment, plan, and year	Total ^a	Sex		Citizenship status		U.S. citizens and permanent residents								Ethnicity not reported
		Male	Female	U.S. citizen or permanent resident	Temporary visa holder	Hispanic or Latino	Not Hispanic or Latino							
							American Indian or Alaska Native	Asian ^b	Black or African American	White	More than one race	Other race or race not reported ^c		
1995	26.4	28.3	23.6	26.2	27.2	25.6	25.8	46.8	17.1	23.9	na	25.6	30.6	
2000	26.2	27.2	24.8	24.9	30.6	27.2	19.8	36.1	18.3	24.3	na	27.8	25.0	
2005	32.4	34.0	30.5	30.3	37.5	33.7	20.5	42.5	25.3	29.5	29.3	35.1	22.9	
2010	38.2	39.1	37.2	36.0	43.6	37.3	32.4	43.4	27.7	35.6	44.9	36.0	34.4	
2015	35.3	34.9	35.7	34.5	37.1	41.4	36.1	38.3	27.1	34.2	35.0	36.1	25.0	
2020	34.8	34.4	35.3	34.6	35.3	37.3	21.0	36.5	24.1	35.0	38.3	30.2	22.7	
2025	36.5	35.7	37.4	35.7	38.1	39.9	22.1	39.7	25.1	35.7	38.7	30.0	33.1	
Abroad or unknown (%)														
1995	12.0	15.2	7.2	4.0	46.2	4.2	2.2	6.4	1.5	3.8	na	8.5	5.1	
2000	9.3	11.5	6.4	3.0	30.4	4.2	5.2	4.3	1.0	2.9	na	6.7	3.7	
2005	9.7	11.8	7.2	2.9	26.1	1.6	2.3	3.8	0.8	2.9	5.3	5.3	6.3	
2010	11.1	13.1	8.6	4.6	26.7	4.4	5.6	6.1	1.1	4.6	5.3	7.3	6.3	
2015	10.1	11.6	8.3	4.5	23.2	3.7	1.6	5.1	2.0	4.6	6.3	7.5	12.5	
2020	9.8	11.4	7.8	3.3	21.8	2.4	3.2	4.8	0.9	3.4	3.2	7.6	2.1	
2025	8.5	10.1	6.7	3.1	17.8	2.4	1.5	3.7	1.4	3.3	4.9	3.8	3.3	
Employment plans (%)														
1995	8.6	10.9	5.2	2.2	36.3	2.8	2.2	4.0	1.2	2.0	na	2.4	0.0	
2000	6.9	8.5	4.7	1.7	24.4	2.9	4.3	2.8	0.9	1.5	na	3.1	3.7	
2005	6.7	8.0	5.1	1.3	19.6	0.9	1.1	2.4	0.6	1.3	2.0	4.3	2.1	
2010	6.4	7.5	5.0	1.7	17.5	1.9	4.2	2.8	0.8	1.6	1.2	3.0	2.3	
2015	5.7	6.5	4.8	1.6	15.4	0.8	0.0	3.0	1.1	1.4	1.4	6.0	6.3	
2020	6.2	7.2	4.9	1.1	15.7	0.9	3.2	2.2	0.5	1.1	1.1	3.5	0.0	
2025	4.7	5.6	3.8	1.0	11.2	0.7	1.5	1.7	0.9	0.9	1.8	1.6	2.8	
Postdoctoral training plans (%)														
1995	3.3	4.3	1.9	1.8	9.9	1.4	0.0	2.4	0.3	1.8	na	6.1	5.1	
2000	2.4	3.0	1.6	1.4	6.0	1.4	0.9	1.5	0.1	1.4	na	3.6	0.0	
2005	3.0	3.8	2.1	1.6	6.5	0.7	1.1	1.4	0.3	1.7	3.3	1.1	4.2	
2010	4.7	5.7	3.6	2.8	9.2	2.5	1.4	3.3	0.3	2.9	4.2	4.3	4.0	
2015	4.4	5.2	3.5	2.9	7.8	2.9	1.6	2.1	0.8	3.1	4.9	1.5	6.3	
2020	3.6	4.2	2.8	2.2	6.1	1.6	0.0	2.5	0.5	2.4	2.1	4.1	2.1	
2025	3.8	4.6	2.9	2.1	6.6	1.8	0.0	2.0	0.6	2.3	3.0	2.2	0.6	

na = not applicable; doctorate recipients were instructed to indicate only one race before 2001.

^a Total includes doctorate recipients who did not report sex or citizenship status.

^b Asian includes Native Hawaiians or Other Pacific Islanders through 2000 but excludes them since 2001.

^c Before 2001, other race included doctorate recipients who selected more than one race. Since 2001, other race has included Native Hawaiians or Other Pacific Islanders, who previously had been included in the category Asian.

Note(s):

Percentages are based on the number of definite postgraduation commitments and the type of plan (employment or postdoctoral study [postdoc]). A definite postgraduation commitment includes accepting new employment or a postdoc position or returning to predoctoral employment. Hispanic or Latino may be of any race; race categories exclude Hispanic origin. Due to rounding, percentages may not sum to 100.

Source(s):

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

Table 2-5. Sources of support for research doctorate recipients with postdoctoral training commitments, by sex, citizenship status, ethnicity, and race: Selected years, 1995–2025

(Number and percent)

Postdoctoral training commitments, source of support, and year	Total ^a	Sex		Citizenship status		U.S. citizens and permanent residents							
		Male	Female	U.S. citizen or permanent resident	Temporary visa holder	Hispanic or Latino	Not Hispanic or Latino						Ethnicity not reported
							American Indian or Alaska Native	Asian ^b	Black or African American	White	More than one race	Other race or race not reported ^c	
All postdoctoral training commitments (number)													
1995	7,380	4,843	2,536	5,640	1,737	173	24	1,081	152	4,149	na	26	35
2000	7,657	4,626	3,031	5,413	2,236	250	24	536	202	4,304	na	70	27
2005	9,611	5,674	3,934	6,086	3,513	323	19	595	277	4,685	80	68	39
2010	12,447	7,080	5,367	7,923	4,458	450	D	755	318	5,964	D	66	134
2015	11,026	6,149	4,877	7,257	3,748	511	23	622	298	5,519	204	50	30
2020	13,543	7,446	6,097	8,431	5,065	718	13	805	370	6,137	305	59	24
2025	14,220	7,372	6,848	8,484	5,648	937	15	1,021	453	5,511	384	102	61
U.S. government (%)													
1995	36.8	36.2	37.9	42.7	17.8	34.7	45.8	37.5	32.9	44.6	na	34.6	65.7
2000	35.8	35.7	36.0	42.2	20.3	44.4	37.5	41.4	35.6	42.6	na	32.9	48.1
2005	29.0	28.8	29.2	35.6	17.5	37.8	36.8	31.3	30.7	36.6	28.8	25.0	35.9
2010	33.3	32.9	33.9	39.9	21.8	34.7	58.3	32.2	37.1	41.5	37.7	33.3	43.3
2015	30.7	30.0	31.5	36.2	20.0	35.2	34.8	33.6	33.2	36.8	37.3	30.0	30.0
2020	31.7	31.4	32.1	39.3	19.3	35.2	D	36.9	32.7	40.8	35.1	D	20.8
2025	26.8	26.3	27.2	34.2	15.6	31.2	D	31.0	26.5	36.3	35.4	D	23.0
College or university (%)													
1995	29.1	32.0	23.7	23.9	46.3	26.0	20.8	29.3	24.3	22.6	na	7.7	5.7
2000	33.5	35.6	30.2	28.3	46.0	28.8	25.0	29.1	35.6	28.0	na	20.0	18.5
2005	47.7	49.2	45.7	40.9	59.5	36.5	36.8	46.4	45.1	40.2	42.5	41.2	46.2
2010	39.1	40.8	37.0	33.7	49.1	32.2	20.8	40.1	40.3	32.9	34.0	31.8	23.9
2015	44.9	47.0	42.2	40.0	54.3	43.6	39.1	42.6	43.0	39.2	40.2	50.0	33.3
2020	38.4	40.0	36.6	32.8	48.0	34.4	53.8	34.8	38.1	32.1	34.1	27.1	8.3
2025	44.3	46.3	42.2	37.5	55.0	38.8	40.0	39.8	42.6	36.5	35.7	48.0	23.0
Private foundation (%)													
1995	8.7	8.1	9.8	8.6	9.0	7.5	0.0	7.1	9.2	9.1	na	7.7	2.9
2000	8.0	7.8	8.2	7.5	9.3	6.4	8.3	7.8	5.4	7.5	na	10.0	14.8
2005	4.8	4.2	5.6	5.6	3.5	7.1	15.8	3.9	4.3	5.6	8.8	10.3	2.6
2010	4.5	3.9	5.2	5.6	2.5	7.1	D	5.7	D	5.7	D	4.5	2.2
2015	4.8	4.5	5.1	5.6	3.3	5.9	D	5.1	3.7	5.7	D	2.0	6.7
2020	4.1	3.6	4.6	4.8	2.9	4.6	D	3.6	6.2	4.8	4.9	D	8.3
2025	4.6	4.4	4.8	5.5	3.2	4.8	D	5.3	4.6	5.5	8.1	D	9.8
Nonprofit, other than private foundation (%)													
1995	2.5	2.3	3.0	2.4	3.1	3.5	4.2	3.2	3.3	2.1	na	0.0	2.9
2000	3.4	3.2	3.6	2.9	4.5	3.2	0.0	2.8	4.0	2.9	na	1.4	3.7

Table 2-5. Sources of support for research doctorate recipients with postdoctoral training commitments, by sex, citizenship status, ethnicity, and race: Selected years, 1995–2025

(Number and percent)

Postdoctoral training commitments, source of support, and year	Total ^a	Sex		Citizenship status		U.S. citizens and permanent residents								Ethnicity not reported
		Male	Female	U.S. citizen or permanent resident	Temporary visa holder	Hispanic or Latino	Not Hispanic or Latino							
							American Indian or Alaska Native	Asian ^b	Black or African American	White	More than one race	Other race or race not reported ^c		
2005	3.1	2.6	3.8	3.3	2.8	3.7	0.0	2.4	5.1	3.2	7.5	2.9	0.0	
2010	3.4	2.5	4.6	3.5	3.3	D	D	2.5	4.1	3.5	5.7	3.0	4.5	
2015	3.8	2.7	5.2	4.4	2.7	3.3	D	5.3	4.7	4.4	D	2.0	3.3	
2020	3.0	2.4	3.8	3.3	2.5	4.2	D	3.1	4.3	3.2	2.6	D	0.0	
2025	3.4	2.6	4.1	3.9	2.5	3.7	D	3.4	6.8	3.8	4.2	D	0.0	
Other (%)														
1995	9.4	9.3	9.8	8.8	11.4	9.2	12.5	8.3	8.6	8.9	na	11.5	14.3	
2000	8.3	7.5	9.6	8.3	8.3	7.6	8.3	6.3	5.0	8.6	na	15.7	7.4	
2005	7.8	8.1	7.5	6.9	9.5	7.4	0.0	7.6	5.1	6.9	8.8	8.8	2.6	
2010	8.6	9.2	7.9	7.4	10.8	8.4	D	8.2	D	7.3	D	4.5	8.2	
2015	9.0	9.1	8.8	7.9	11.0	6.5	0.0	6.1	5.7	8.1	12.7	12.0	10.0	
2020	8.9	8.9	8.9	7.7	10.9	6.7	0.0	8.9	7.8	7.5	8.5	11.9	16.7	
2025	7.8	7.8	7.8	7.3	8.6	6.1	0.0	7.2	8.4	7.6	5.7	6.9	8.2	
Unknown (%)														
1995	13.4	12.1	15.8	13.7	12.4	19.1	16.7	14.5	21.7	12.8	na	38.5	8.6	
2000	11.0	10.2	12.4	10.8	11.6	9.6	20.8	12.5	14.4	10.3	na	20.0	7.4	
2005	7.6	7.2	8.1	7.7	7.2	7.4	10.5	8.6	9.7	7.5	3.8	11.8	12.8	
2010	11.0	10.6	11.5	9.9	12.4	D	D	11.3	D	9.1	9.0	22.7	17.9	
2015	6.9	6.7	7.1	6.0	8.6	5.5	4.3	7.2	9.7	5.8	2.9	4.0	16.7	
2020	13.9	13.8	14.0	12.1	16.4	14.9	15.4	12.7	10.8	11.5	14.8	15.3	45.8	
2025	13.1	12.5	13.8	11.5	15.0	15.4	0.0	13.2	11.0	10.3	10.9	18.6	36.1	

D = suppressed to avoid disclosure of confidential information. na = not applicable; doctorate recipients were instructed to indicate only one race before 2001.

^a Total includes doctorate recipients who did not report sex or citizenship status.

^b Asian includes Native Hawaiians or Other Pacific Islanders through 2000 but excludes them since 2001.

^c Before 2001, other race included doctorate recipients who selected more than one race. Since 2001, other race has included Native Hawaiians or Other Pacific Islanders, who previously had been included in the category Asian.

Note(s):
Percentages are based on the number of definite commitments for a postdoctoral study (postdoc) position. Hispanic or Latino may be of any race; race categories exclude Hispanic origin.

Source(s):
National Center for Science and Engineering Statistics, Survey of Earned Doctorates.

Table 2-6. Postgraduation plans and employment sector of research doctorate recipients with definite plans in the United States, by trend broad field of doctorate: Selected years, 1995–2025

(Number and percent)

Type of plan, sector, and year	All fields	Science and engineering											Non-science and engineering				
		Total	Agricultural sciences and natural resources	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric, and ocean sciences	Health sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Total	Business	Education	Humanities and arts	Other non-science and engineering
U.S. definite commitments and reporting type of plan (number)																	
1995	21,854	14,033	523	3,383	523	2,549	322	596	543	2,005	1,954	1,635	7,821	777	4,053	2,412	579
2000	24,255	16,092	547	3,873	541	2,970	398	801	660	2,068	2,183	2,051	8,163	683	4,076	2,798	606
2005	24,446	16,665	530	4,068	641	3,230	431	852	708	2,154	2,014	2,037	7,781	691	3,761	2,661	668
2010	25,790	18,939	543	4,667	880	3,843	507	1,026	880	2,342	2,006	2,245	6,851	753	3,041	2,366	691
2015	24,968	18,967	618	3,976	1,010	4,266	552	1,037	950	2,178	2,023	2,357	6,001	809	2,462	2,120	610
2020	31,821	24,872	795	4,854	1,498	5,981	739	1,489	1,218	2,907	2,566	2,825	6,949	882	2,905	2,318	844
2021	29,739	23,807	769	4,912	1,509	5,757	651	1,368	1,110	2,767	2,441	2,523	5,932	732	2,533	1,888	779
2022	34,666	27,928	872	5,754	1,713	6,970	753	1,542	1,328	3,372	2,621	3,003	6,738	849	2,782	2,178	929
2023	35,272	28,054	893	5,755	1,714	7,049	818	1,481	1,354	3,360	2,598	3,032	7,218	973	2,944	2,316	985
2024	33,734	26,754	843	5,379	1,834	6,527	785	1,457	1,182	3,051	2,668	3,028	6,980	828	2,867	2,285	1,000
2025	32,305	25,640	853	5,087	2,008	6,239	716	1,413	1,154	2,780	2,553	2,837	6,665	816	2,795	2,144	910
Non-postdoc employment commitments (%)																	
1995	70.0	55.6	62.0	19.0	83.2	74.1	47.5	81.9	72.7	34.1	68.9	88.0	96.0	97.6	96.5	94.4	96.2
2000	71.1	59.0	64.2	24.2	91.1	78.7	48.0	82.5	67.4	43.7	63.6	87.6	94.9	96.8	95.9	93.2	93.9
2005	64.1	50.5	57.0	18.6	77.4	65.9	39.0	77.0	57.9	33.0	52.4	85.5	93.0	97.3	94.4	90.0	92.2
2010	57.0	44.8	48.1	18.6	68.5	53.9	37.9	66.7	52.0	25.7	47.4	80.3	90.7	95.6	93.4	86.5	88.4
2015	60.7	52.1	51.3	25.0	79.9	64.7	36.2	68.8	58.6	38.1	42.1	78.5	88.1	95.4	91.2	82.4	85.4
2020	61.4	54.2	53.7	32.7	81.0	64.1	37.5	64.0	62.6	43.6	40.0	75.2	87.3	94.7	90.4	81.8	84.2
2021	58.5	52.0	49.7	34.3	77.9	61.4	34.3	61.4	58.0	40.2	39.7	71.7	84.7	90.7	90.0	76.1	82.5
2022	61.7	56.2	49.9	40.5	79.8	67.2	35.2	65.9	57.2	50.1	39.6	70.3	84.6	91.5	89.1	77.0	82.6
2023	63.7	58.3	54.2	42.2	80.9	70.1	35.8	65.4	60.0	53.5	41.1	71.6	84.6	90.4	88.7	76.9	84.6
2024	60.6	54.3	52.3	35.5	74.9	64.4	39.0	61.3	57.2	45.1	44.3	71.5	85.0	92.6	89.2	78.3	81.7
2025	60.1	53.5	49.0	31.0	78.7	63.6	37.2	64.1	58.5	43.2	42.0	72.2	85.4	93.5	89.5	77.5	84.5
Academe (%)																	
1995	36.7	23.6	25.0	9.3	34.0	14.2	16.8	51.2	51.7	9.1	25.5	61.3	60.3	79.8	46.7	75.4	67.0
2000	34.6	22.3	26.5	10.0	33.3	11.6	19.1	45.6	40.3	7.9	23.1	56.4	58.8	73.8	45.9	72.7	65.0
2005	34.8	22.6	21.7	8.8	35.6	12.2	15.8	51.4	37.7	7.5	25.5	59.9	60.9	75.5	47.4	74.3	68.7
2010	30.0	18.8	19.7	8.2	19.3	9.1	10.1	38.6	29.9	7.5	22.0	54.2	61.0	74.2	49.8	69.9	65.6
2015	29.5	19.1	22.0	9.0	18.6	9.4	12.7	41.5	26.7	8.0	19.2	51.8	62.3	77.1	54.1	64.8	67.0
2020	24.3	15.5	21.1	8.9	18.1	6.6	9.5	33.0	20.6	6.3	16.2	42.2	55.7	73.2	49.3	57.2	55.3
2021	21.0	13.4	14.0	7.7	18.6	7.1	9.2	29.2	17.8	5.0	13.9	34.8	51.4	66.0	48.7	49.3	52.0

Table 2-6. Postgraduation plans and employment sector of research doctorate recipients with definite plans in the United States, by trend broad field of doctorate: Selected years, 1995–2025

(Number and percent)

Type of plan, sector, and year	All fields	Science and engineering											Non-science and engineering				
		Total	Agricultural sciences and natural resources	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric, and ocean sciences	Health sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Total	Business	Education	Humanities and arts	Other non-science and engineering
2022	20.1	12.6	13.8	7.6	14.8	6.8	7.4	29.9	15.1	5.4	13.5	32.5	50.9	66.8	47.8	48.6	51.1
2023	21.7	14.1	17.0	9.3	17.5	6.8	9.5	31.3	16.2	6.2	15.7	36.5	51.5	67.2	45.6	52.4	51.9
2024	24.0	16.4	19.9	10.9	20.6	8.9	11.3	31.1	22.1	8.1	17.0	38.4	53.2	70.7	48.6	53.0	52.2
2025	24.0	16.5	20.0	10.8	19.3	8.9	10.9	32.6	22.4	7.8	17.0	39.4	52.7	68.5	46.9	53.1	55.2
Government (%)																	
1995	5.7	6.4	11.3	3.2	3.4	8.1	13.0	6.9	3.1	3.3	10.1	9.1	4.4	2.2	5.8	1.5	9.2
2000	5.2	6.1	9.0	3.7	3.9	7.1	9.8	9.1	2.3	3.0	8.4	8.7	3.6	2.5	4.4	1.8	8.1
2005	4.4	4.9	11.9	2.5	2.7	6.2	7.4	6.3	2.7	2.3	5.1	8.7	3.5	3.5	3.9	2.0	6.6
2010	5.1	5.8	11.4	2.9	4.5	6.9	8.9	6.0	3.5	2.9	7.7	10.0	3.2	3.2	3.3	1.8	7.2
2015	4.3	4.8	7.4	2.4	3.5	6.3	4.9	5.5	2.8	1.8	4.6	9.4	2.9	3.3	3.3	1.7	4.8
2020	4.8	5.0	10.4	2.3	3.3	5.4	9.9	6.2	3.4	2.8	4.1	10.2	3.8	3.3	3.4	2.4	9.2
2021	4.5	4.6	6.9	2.8	2.7	4.4	9.5	5.6	2.4	2.1	4.8	11.3	4.0	4.1	3.8	2.7	8.0
2022	4.2	4.3	7.0	2.6	2.5	4.3	8.9	6.3	2.3	2.0	3.9	9.5	3.7	3.8	4.0	2.2	6.4
2023	4.3	4.5	7.4	3.0	2.4	4.3	7.8	5.4	3.3	2.6	5.4	8.8	3.7	3.1	3.7	2.4	7.3
2024	4.6	4.9	7.5	3.1	1.9	4.6	10.2	5.1	2.5	2.9	6.0	10.2	3.3	3.5	3.0	2.5	5.9
2025	4.3	4.4	6.0	2.6	2.8	4.3	8.2	5.9	3.2	2.0	4.8	8.8	4.1	4.0	3.8	2.8	8.1
Industry or business (%) ^a																	
1995	15.2	20.0	21.4	4.8	42.6	49.0	14.3	13.6	16.0	19.9	15.7	8.8	6.5	12.9	5.8	4.8	10.2
2000	18.5	24.4	23.6	8.0	50.6	57.3	16.8	15.2	21.1	30.6	14.2	11.8	6.9	16.8	5.5	6.0	9.4
2005	14.6	19.0	18.5	5.8	37.1	45.3	12.8	11.6	15.4	21.7	10.9	8.8	5.2	14.3	3.8	3.8	8.8
2010	13.3	16.2	12.5	5.6	41.7	34.7	17.2	12.2	14.7	13.5	9.6	8.0	5.3	11.8	4.2	4.2	6.4
2015	19.7	24.1	18.9	11.3	54.8	46.6	15.9	9.6	26.5	26.6	10.7	9.5	5.7	12.0	4.1	4.7	7.5
2020	24.6	29.2	17.2	18.8	56.5	49.3	15.4	15.0	36.0	32.6	11.8	13.8	8.1	13.9	6.8	6.0	12.3
2021	25.3	29.4	24.1	20.9	53.8	46.5	12.6	15.5	34.7	31.0	14.2	16.2	8.9	16.5	7.3	6.7	12.6
2022	29.7	34.6	24.3	26.9	58.8	53.0	15.5	18.4	35.8	40.2	15.1	18.7	9.8	16.6	7.7	8.4	13.0
2023	29.8	34.9	23.7	26.0	56.8	55.8	15.2	18.0	37.7	42.5	13.7	16.6	9.6	15.6	8.6	7.0	13.2
2024	24.5	28.5	20.2	18.4	49.0	47.8	14.5	16.1	28.3	32.0	14.1	13.3	9.3	14.7	7.6	8.0	12.8
2025	24.1	28.2	17.6	14.9	54.1	47.5	14.9	14.5	30.2	30.7	13.6	14.6	8.4	15.6	6.9	6.2	11.6
Nonprofit organization (%)																	
1995	4.4	3.6	2.1	1.4	2.3	1.6	2.2	7.9	1.1	0.6	12.2	4.8	5.9	1.5	4.9	8.6	7.6
2000	4.2	3.6	2.9	1.2	D	1.4	D	9.1	1.5	0.9	10.4	6.6	5.4	1.8	4.4	7.0	7.9
2005	3.4	2.8	3.4	1.1	1.2	1.5	2.1	7.0	1.3	0.8	6.9	5.4	4.7	1.9	4.0	6.1	6.0
2010	3.0	2.4	2.8	1.2	1.3	1.7	1.6	7.7	1.5	0.7	4.4	4.8	4.5	2.7	4.2	5.3	5.2
2015	3.7	3.1	2.1	1.7	2.2	2.0	2.4	10.7	1.7	0.8	5.2	6.0	5.5	2.0	5.3	7.3	5.1

Table 2-6. Postgraduation plans and employment sector of research doctorate recipients with definite plans in the United States, by trend broad field of doctorate: Selected years, 1995–2025

(Number and percent)

Type of plan, sector, and year	All fields	Science and engineering											Non-science and engineering				
		Total	Agricultural sciences and natural resources	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric, and ocean sciences	Health sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Total	Business	Education	Humanities and arts	Other non-science and engineering
2020	3.7	3.0	3.4	1.7	1.7	2.0	1.4	8.3	1.1	1.4	4.9	6.1	6.3	1.9	5.8	8.8	5.6
2021	3.9	3.2	2.9	2.2	1.9	2.3	1.8	8.9	2.0	1.4	4.4	6.7	6.9	2.5	5.8	9.7	7.6
2022	4.0	3.3	3.6	2.6	2.3	2.0	2.3	9.0	2.1	1.7	4.2	6.8	7.3	1.9	6.7	9.9	7.8
2023	4.1	3.5	4.1	3.1	2.7	2.3	2.2	8.5	1.7	1.5	4.2	7.2	6.8	2.3	6.9	8.4	7.5
2024	3.9	3.1	3.8	2.5	2.3	1.9	2.2	6.7	2.3	1.5	4.1	6.8	7.0	1.8	7.5	8.4	6.8
2025	4.1	3.2	3.9	2.1	1.4	2.1	2.7	9.3	1.6	1.7	4.3	6.9	7.4	3.1	6.9	10.2	6.2
Other sector or unknown (%) ^b																	
1995	8.0	2.0	2.1	0.4	0.8	1.2	1.2	2.3	0.7	1.1	5.4	4.0	18.8	1.2	33.4	4.1	2.2
2000	8.5	2.6	2.2	1.3	D	1.1	D	3.5	2.3	1.3	7.5	4.0	20.2	1.9	35.6	5.8	3.5
2005	6.9	1.3	1.5	0.4	0.8	0.8	0.9	0.6	0.8	0.6	4.1	2.8	18.7	2.0	35.2	3.8	2.1
2010	5.7	1.7	1.7	0.6	1.7	1.5	0.2	2.1	2.5	1.0	3.7	3.3	16.8	3.7	31.9	5.3	4.1
2015	3.6	1.0	0.8	0.7	0.9	0.4	0.4	1.4	0.8	0.8	2.4	1.9	11.6	1.0	24.3	3.9	1.0
2020	4.0	1.4	1.5	0.9	1.5	0.7	1.4	1.5	1.5	0.6	3.0	3.0	13.4	2.3	25.0	7.4	1.8
2021	3.8	1.4	1.8	0.7	0.9	1.1	1.1	2.2	1.1	0.7	2.4	2.8	13.4	1.6	24.4	7.7	2.4
2022	3.7	1.5	1.3	0.7	1.4	1.0	1.1	2.3	1.7	0.9	2.8	2.8	12.9	2.5	22.9	7.9	4.3
2023	3.7	1.3	1.9	0.8	1.5	0.9	1.1	2.2	1.2	0.8	2.1	2.6	12.9	2.3	24.0	6.7	4.7
2024	3.6	1.4	0.9	0.5	1.1	1.1	0.8	2.2	2.0	0.7	3.1	2.7	12.1	1.9	22.5	6.4	4.0
2025	3.6	1.2	1.5	0.6	1.1	0.8	0.4	1.8	1.0	1.0	2.3	2.4	12.9	2.3	24.9	5.2	3.4
Postdoctoral training commitments (%)																	
1995	30.0	44.4	38.0	81.0	16.8	25.9	52.5	18.1	27.3	65.9	31.1	12.0	4.0	2.4	3.5	5.6	3.8
2000	28.9	41.0	35.8	75.8	8.9	21.3	52.0	17.5	32.6	56.3	36.4	12.4	5.1	3.2	4.1	6.8	6.1
2005	35.9	49.5	43.0	81.4	22.6	34.1	61.0	23.0	42.1	67.0	47.6	14.5	7.0	2.7	5.6	10.0	7.8
2010	43.0	55.2	51.9	81.4	31.5	46.1	62.1	33.3	48.0	74.3	52.6	19.7	9.3	4.4	6.6	13.5	11.6
2015	39.3	47.9	48.7	75.0	20.1	35.3	63.8	31.2	41.4	61.9	57.9	21.5	11.9	4.6	8.8	17.6	14.6
2020	38.6	45.8	46.3	67.3	19.0	35.9	62.5	36.0	37.4	56.4	60.0	24.8	12.7	5.3	9.6	18.2	15.8
2021	41.5	48.0	50.3	65.7	22.1	38.6	65.7	38.6	42.0	59.8	60.3	28.3	15.3	9.3	10.0	23.9	17.5
2022	38.3	43.8	50.1	59.5	20.2	32.8	64.8	34.1	42.8	49.9	60.4	29.7	15.4	8.5	10.9	23.0	17.4
2023	36.3	41.7	45.8	57.8	19.1	29.9	64.2	34.6	40.0	46.5	58.9	28.4	15.4	9.6	11.3	23.1	15.4
2024	39.4	45.7	47.7	64.5	25.1	35.6	61.0	38.7	42.8	54.9	55.7	28.5	15.0	7.4	10.8	21.7	18.3
2025	39.9	46.5	51.0	69.0	21.3	36.4	62.8	35.9	41.5	56.8	58.0	27.8	14.6	6.5	10.5	22.5	15.5
Academe (%)																	
1995	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
2000	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
2005	29.6	40.7	35.3	69.6	17.3	27.7	46.6	18.2	39.3	54.9	34.3	12.7	5.7	2.7	3.9	8.9	6.3

Table 2-6. Postgraduation plans and employment sector of research doctorate recipients with definite plans in the United States, by trend broad field of doctorate: Selected years, 1995–2025

(Number and percent)

Type of plan, sector, and year	All fields	Science and engineering											Non-science and engineering				
		Total	Agricultural sciences and natural resources	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric, and ocean sciences	Health sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Total	Business	Education	Humanities and arts	Other non-science and engineering
2010	35.1	44.9	41.4	70.0	25.6	36.6	47.5	26.5	43.9	58.7	35.2	17.6	7.9	3.6	4.9	12.3	10.6
2015	31.4	38.0	39.6	62.9	15.2	28.2	49.3	25.8	37.7	48.9	34.4	18.7	10.4	3.8	7.1	16.3	12.1
2020	29.8	34.9	37.7	53.6	14.2	27.4	44.9	28.9	32.8	42.4	35.1	22.4	11.5	4.8	8.1	17.0	14.7
2021	32.9	37.7	42.9	53.5	18.5	30.2	49.3	31.1	36.7	46.8	36.8	25.7	13.8	8.7	8.4	22.4	15.8
2022	30.2	34.1	40.7	48.1	16.7	25.6	48.1	27.5	38.1	37.5	36.5	27.0	14.0	7.8	9.3	21.4	15.9
2023	28.5	32.3	36.7	46.5	14.8	23.5	47.7	28.3	34.7	35.0	34.8	26.1	13.9	9.0	9.3	21.6	14.3
2024	31.7	36.5	37.8	53.6	21.4	28.6	45.0	31.2	38.7	42.7	35.0	26.1	13.4	6.4	8.9	20.2	16.5
2025	32.6	37.7	44.3	59.6	16.5	29.7	49.4	30.1	37.1	45.5	34.8	25.4	12.8	5.8	8.7	20.5	13.7
Outside of academe or unknown (%) ^c																	
1995	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
2000	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
2005	6.4	8.7	7.7	11.8	5.3	6.3	14.4	4.8	2.8	12.1	13.4	1.8	1.3	0.0	1.7	1.1	1.5
2010	7.9	10.3	10.5	11.4	5.9	9.5	14.6	6.8	4.1	15.7	17.4	2.1	1.4	0.8	1.7	1.2	1.0
2015	7.9	9.9	9.1	12.1	4.9	7.1	14.5	5.4	3.7	13.0	23.5	2.8	1.5	0.7	1.7	1.3	2.5
2020	8.8	10.9	8.6	13.6	4.8	8.5	17.6	7.1	4.5	14.0	24.9	2.4	1.3	0.6	1.5	1.2	1.1
2021	8.6	10.4	7.4	12.2	3.6	8.5	16.4	7.5	5.3	13.1	23.4	2.7	1.5	0.5	1.6	1.6	1.7
2022	8.1	9.7	9.4	11.4	3.5	7.2	16.7	6.6	4.7	12.4	23.9	2.7	1.5	0.7	1.6	1.6	1.5
2023	7.8	9.4	9.1	11.3	4.3	6.4	16.5	6.3	5.2	11.5	24.1	2.3	1.5	0.5	2.0	1.5	1.1
2024	7.7	9.2	9.8	10.9	3.7	7.0	16.1	7.5	4.1	12.1	20.7	2.4	1.7	1.0	2.0	1.5	1.8
2025	7.3	8.8	6.7	9.3	4.8	6.7	13.4	5.7	4.4	11.3	23.1	2.4	1.7	0.7	1.8	2.1	1.8

D = suppressed to avoid disclosure of confidential information. na = not applicable; sector for postdoctoral training commitments was not collected prior to 2004.

^a Industry or business includes self-employment.

^b Other sector or unknown is mainly composed of elementary and secondary schools.

^c Outside of academe includes industry or business, government, nonprofits, other and unknown.

Note(s):
Percentages are based on the number of doctorate recipients with definite commitments in the United States and with a known type of commitment (postdoc or employment). Due to rounding, percentages may not sum to 100. The survey data collection for the field of study changed in 2021, which may affect the data comparison across years. This table uses a trend field taxonomy that facilitates trend comparisons with prior years (see [table A-5](#)). 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.

Table 2-7. Postgraduation plans and employment sector of research doctorate recipients with definite plans in the United States, by sex, citizenship status, ethnicity, and race: Selected years, 1995–2025

(Number and percent)

Employment commitment, sector, and year	Total ^a	Sex		Citizenship status		U.S. citizens and permanent residents							
		Male	Female	U.S. citizen or permanent resident	Temporary visa holder	Hispanic or Latino	Not Hispanic or Latino						Ethnicity not reported
							American Indian or Alaska Native	Asian ^b	Black or African American	White	More than one race	Other race or race not reported ^c	
U.S. definite commitments and reporting type of plan (number)													
1995	21,854	12,625	9,227	19,324	2,523	613	91	2,056	856	15,540	na	75	93
2000	24,255	13,525	10,730	19,980	4,257	839	110	1,364	1,088	16,267	na	208	104
2005	24,446	13,247	11,197	18,520	5,890	922	86	1,303	1,075	14,588	233	178	135
2010	25,790	13,742	12,048	19,455	6,201	1,080	67	1,518	1,127	14,775	409	152	327
2015	24,968	13,565	11,403	18,502	6,410	1,110	60	1,464	1,047	14,134	480	123	84
2020	31,821	17,073	14,748	22,158	9,552	1,802	60	1,964	1,493	15,854	731	159	95
2021	29,739	15,855	13,883	20,608	8,975	1,866	65	1,932	1,552	14,144	740	192	117
2022	34,666	18,313	16,350	23,420	11,061	2,254	66	2,255	1,756	15,963	838	174	114
2023	35,272	18,330	16,939	23,687	11,409	2,270	76	2,505	1,815	15,773	920	206	122
2024	33,734	17,265	16,469	22,787	10,825	2,241	64	2,350	1,839	15,011	900	265	117
2025	32,305	16,453	15,852	21,722	10,387	2,192	67	2,359	1,737	14,011	876	305	175
Non-postdoc employment commitments (%)													
1995	70.0	66.7	74.6	72.7	49.5	73.2	73.6	50.0	82.6	75.2	na	72.0	67.7
2000	71.1	69.2	73.5	74.3	56.1	71.6	79.1	62.2	81.5	75.0	na	70.2	74.0
2005	64.1	61.5	67.1	68.8	49.2	65.7	79.1	55.8	74.5	69.6	69.1	62.9	75.6
2010	57.0	55.0	59.3	62.2	40.6	60.9	D	53.8	72.0	62.7	52.6	D	63.3
2015	60.7	60.5	61.0	63.9	51.7	57.0	63.3	59.7	72.4	64.2	62.7	61.0	71.4
2020	61.4	61.1	61.7	64.2	54.8	61.8	78.3	61.7	75.7	63.7	60.5	67.3	76.8
2021	58.5	58.1	58.9	61.7	51.0	59.2	66.2	59.1	74.5	61.0	58.2	70.3	69.2
2022	61.7	62.1	61.3	63.6	57.5	61.2	63.6	62.5	74.1	63.1	58.2	69.0	73.7
2023	63.7	64.2	63.1	65.7	59.3	62.3	73.7	64.8	75.6	65.6	57.2	69.9	77.9
2024	60.6	60.8	60.4	63.9	53.7	58.8	64.1	62.4	74.2	63.8	58.9	68.3	72.6
2025	60.1	60.3	59.9	63.1	53.6	59.1	77.6	58.8	74.5	63.1	59.4	68.9	65.7
Academe (%)													
1995	36.7	31.4	43.9	38.6	22.7	43.4	46.2	18.6	48.2	40.4	na	41.3	35.5
2000	34.6	30.4	39.9	38.0	18.9	40.3	49.1	21.6	42.6	38.8	na	36.1	42.3
2005	34.8	30.4	40.0	38.7	22.5	40.6	41.9	25.8	41.9	39.6	40.3	30.9	38.5
2010	30.0	25.9	34.6	34.0	17.8	34.0	D	23.4	35.5	35.1	26.9	D	34.9
2015	29.5	25.1	34.7	33.8	16.8	30.9	40.0	22.4	38.8	34.8	35.8	35.0	38.1
2020	24.3	20.2	29.1	28.2	15.5	30.3	41.7	19.0	33.0	28.6	25.2	28.3	32.6
2021	21.0	17.1	25.4	24.6	12.6	24.8	40.0	18.0	31.7	24.8	22.2	24.0	23.9
2022	20.1	16.4	24.2	23.7	12.4	25.2	31.8	16.0	29.6	24.1	19.8	24.7	19.3
2023	21.7	17.7	26.2	25.3	14.5	24.6	38.2	18.3	29.5	26.1	22.7	26.7	27.9

Table 2-7. Postgraduation plans and employment sector of research doctorate recipients with definite plans in the United States, by sex, citizenship status, ethnicity, and race: Selected years, 1995–2025

(Number and percent)

Employment commitment, sector, and year	Total ^a	Sex		Citizenship status		U.S. citizens and permanent residents							
						Hispanic or Latino	Not Hispanic or Latino					Ethnicity not reported	
		Male	Female	U.S. citizen or permanent resident	Temporary visa holder		American Indian or Alaska Native	Asian ^b	Black or African American	White	More than one race		Other race or race not reported ^c
2024	24.0	20.4	27.8	27.2	17.3	25.5	29.7	20.3	29.5	28.6	23.7	23.0	20.5
2025	24.0	20.3	27.8	27.4	17.0	27.0	32.8	19.1	30.9	28.5	24.3	30.2	28.0
Government (%)													
1995	5.7	5.9	5.4	6.3	0.9	6.7	D	2.7	5.7	6.8	na	D	10.8
2000	5.2	5.6	4.8	6.2	1.0	6.3	9.1	4.0	7.4	6.2	na	4.3	10.6
2005	4.4	4.6	4.2	5.6	0.7	4.2	9.3	4.8	6.6	5.6	7.3	7.9	7.4
2010	5.1	5.2	4.9	6.4	1.0	5.9	D	5.3	9.7	6.3	D	5.3	6.4
2015	4.3	4.6	4.1	5.6	0.9	4.7	D	5.0	8.1	5.5	5.0	D	9.5
2020	4.8	4.8	4.7	6.5	0.8	6.2	11.7	4.5	10.0	6.3	6.7	8.8	7.4
2021	4.5	4.6	4.4	6.2	0.8	5.9	7.7	4.5	9.5	6.0	5.8	9.9	12.0
2022	4.2	4.1	4.3	5.9	0.7	4.7	D	4.0	9.5	5.8	6.3	D	7.9
2023	4.3	4.3	4.4	6.0	0.8	5.9	6.6	4.9	8.9	6.0	4.6	3.9	9.8
2024	4.6	4.6	4.5	6.3	1.1	5.8	7.8	4.8	8.4	6.2	6.6	7.5	9.4
2025	4.3	4.3	4.3	6.0	0.8	5.3	14.9	4.5	10.1	5.6	7.4	5.2	8.6
Industry or business (%) ^d													
1995	15.2	19.4	9.5	14.2	22.6	11.1	11.0	24.5	5.5	13.5	na	17.3	16.1
2000	18.5	23.9	11.7	15.5	32.7	12.5	6.4	29.9	9.7	14.8	na	18.8	17.3
2005	14.6	18.8	9.6	11.6	23.9	7.9	12.8	20.0	6.0	11.6	9.4	9.0	17.0
2010	13.3	17.0	9.0	11.4	19.3	9.7	11.9	19.0	7.8	10.9	11.2	12.5	13.5
2015	19.7	25.3	12.9	15.3	32.2	13.2	D	25.8	9.2	15.0	14.2	D	13.1
2020	24.6	30.2	18.1	19.4	36.7	15.3	11.7	31.3	16.1	18.7	20.8	17.0	18.9
2021	25.3	30.3	19.6	20.9	35.4	17.8	D	29.8	16.0	20.7	20.1	D	21.4
2022	29.7	35.7	23.0	24.1	41.6	21.3	9.1	35.8	18.2	23.7	22.1	24.1	30.7
2023	29.8	36.3	22.7	24.2	41.3	21.2	15.8	34.5	19.2	23.6	22.7	28.6	23.8
2024	24.5	30.3	18.5	20.6	32.7	17.0	12.5	31.7	19.6	19.3	21.0	25.3	29.9
2025	24.1	30.2	17.9	19.6	33.5	16.7	13.4	29.0	16.8	19.0	17.5	20.7	17.7
Nonprofit organization (%)													
1995	4.4	4.2	4.7	4.8	1.3	3.8	D	2.2	D	5.3	na	D	3.2
2000	4.2	3.4	5.2	4.8	1.4	3.7	D	3.6	4.4	5.0	na	D	0.0
2005	3.4	2.8	4.0	4.1	1.1	4.0	7.0	3.2	4.0	4.2	4.3	3.9	5.2
2010	3.0	2.6	3.4	3.5	1.2	3.4	D	3.0	4.7	3.5	D	2.6	3.1
2015	3.7	3.0	4.6	4.6	1.3	4.0	D	4.5	5.8	4.5	4.4	D	8.3
2020	3.7	3.2	4.3	4.7	1.4	4.3	D	4.1	5.6	4.7	D	4.4	8.4
2021	3.9	3.4	4.5	5.0	1.4	5.0	D	4.6	7.3	4.8	5.3	D	6.0
2022	4.0	3.2	5.0	5.1	1.7	5.3	D	4.3	7.7	4.9	5.8	D	3.5

Table 2-7. Postgraduation plans and employment sector of research doctorate recipients with definite plans in the United States, by sex, citizenship status, ethnicity, and race: Selected years, 1995–2025

(Number and percent)

Employment commitment, sector, and year	Total ^a	Sex		Citizenship status		U.S. citizens and permanent residents							
		Male	Female	U.S. citizen or permanent resident	Temporary visa holder	Hispanic or Latino	Not Hispanic or Latino						Ethnicity not reported
							American Indian or Alaska Native	Asian ^b	Black or African American	White	More than one race	Other race or race not reported ^c	
2023	4.1	3.2	5.2	5.2	1.9	4.9	6.6	4.8	8.6	5.0	5.0	3.4	4.9
2024	3.9	3.0	4.9	5.0	1.7	4.6	7.8	3.6	7.7	4.9	5.0	6.4	4.3
2025	4.1	3.1	5.1	5.4	1.3	5.5	11.9	4.2	8.8	5.0	6.6	8.5	5.1
Other sector or unknown (%) ^e													
1995	8.0	5.8	11.0	8.8	2.1	8.3	11.0	2.0	19.5	9.1	na	5.3	2.2
2000	8.5	5.9	11.9	9.9	2.0	8.8	D	3.2	17.5	10.1	na	D	3.8
2005	6.9	4.8	9.3	8.7	1.0	9.0	8.1	2.0	16.0	8.7	7.7	11.2	7.4
2010	5.7	4.2	7.4	7.0	1.4	7.9	7.5	3.0	14.4	6.9	4.4	2.0	5.5
2015	3.6	2.5	4.8	4.6	0.5	4.2	8.3	2.0	10.5	4.5	3.3	2.4	2.4
2020	4.0	2.7	5.6	5.5	0.5	5.7	D	2.7	11.1	5.3	3.4	D	9.5
2021	3.8	2.6	5.1	5.0	0.8	5.6	7.7	2.3	10.1	4.7	4.9	6.3	6.0
2022	3.7	2.7	4.8	4.8	1.1	4.6	9.1	2.4	9.1	4.6	4.2	4.0	12.3
2023	3.7	2.7	4.7	5.0	0.9	5.7	6.6	2.3	9.5	4.8	2.2	7.3	11.5
2024	3.6	2.6	4.7	4.9	1.0	6.0	6.3	2.0	9.0	4.7	2.7	6.0	8.5
2025	3.6	2.4	4.9	4.8	1.0	4.6	4.5	2.1	8.0	4.9	3.5	4.3	6.3
Postdoctoral training commitments (%)													
1995	30.0	33.3	25.4	27.3	50.5	26.8	26.4	50.0	17.4	24.8	na	28.0	32.3
2000	28.9	30.8	26.5	25.7	43.9	28.4	20.9	37.8	18.5	25.0	na	29.8	26.0
2005	35.9	38.5	32.9	31.2	50.8	34.3	20.9	44.2	25.5	30.4	30.9	37.1	24.4
2010	43.0	45.0	40.7	37.8	59.4	39.1	34.3	46.2	28.0	37.3	47.4	38.8	36.7
2015	39.3	39.5	39.0	36.1	48.3	43.0	36.7	40.3	27.6	35.8	37.3	39.0	28.6
2020	38.6	38.9	38.3	35.8	45.2	38.2	21.7	38.3	24.3	36.3	39.5	32.7	23.2
2021	41.5	41.9	41.1	38.3	49.0	40.8	33.8	40.9	25.5	39.0	41.8	29.7	30.8
2022	38.3	37.9	38.7	36.4	42.5	38.8	36.4	37.5	25.9	36.9	41.8	31.0	26.3
2023	36.3	35.8	36.9	34.3	40.7	37.7	26.3	35.2	24.4	34.4	42.8	30.1	22.1
2024	39.4	39.2	39.6	36.1	46.3	41.2	35.9	37.6	25.8	36.2	41.1	31.7	27.4
2025	39.9	39.7	40.1	36.9	46.4	40.9	22.4	41.2	25.5	36.9	40.6	31.1	34.3
Academe (%)													
1995	na	na	na	na	na	na	na	na	na	na	na	na	na
2000	na	na	na	na	na	na	na	na	na	na	na	na	na
2005	29.6	32.0	26.7	24.8	44.6	27.1	14.0	36.7	19.2	24.1	25.8	29.8	20.7
2010	35.1	37.2	32.7	30.0	51.3	31.1	20.9	36.8	21.2	29.7	39.1	28.9	30.0
2015	31.4	32.5	30.0	27.8	41.7	34.0	26.7	31.8	19.7	27.4	31.7	30.1	15.5
2020	29.8	30.8	28.6	26.6	37.4	28.9	18.3	29.2	17.1	26.9	30.0	24.5	11.6
2021	32.9	34.1	31.6	29.0	42.0	31.0	24.6	32.4	18.9	29.5	31.1	26.0	17.9

Table 2-7. Postgraduation plans and employment sector of research doctorate recipients with definite plans in the United States, by sex, citizenship status, ethnicity, and race: Selected years, 1995–2025

(Number and percent)

Employment commitment, sector, and year	Total ^a	Sex		Citizenship status		U.S. citizens and permanent residents								Ethnicity not reported
						Hispanic or Latino	Not Hispanic or Latino							
		Male	Female	U.S. citizen or permanent resident	Temporary visa holder		American Indian or Alaska Native	Asian ^b	Black or African American	White	More than one race	Other race or race not reported ^c		
2022	30.2	30.6	29.7	27.5	36.0	30.2	30.3	28.7	19.2	27.8	30.7	22.4	21.9	
2023	28.5	29.0	28.0	25.7	34.6	29.5	18.4	27.0	17.9	25.5	32.7	21.8	18.0	
2024	31.7	32.6	30.8	27.6	40.3	31.1	29.7	29.6	19.4	27.7	31.1	27.9	17.1	
2025	32.6	33.2	32.0	28.8	40.7	32.2	16.4	33.5	17.9	28.9	32.0	25.2	21.7	
Outside of academe or unknown (%) ^f														
1995	na	na	na	na	na	na	na	na	na	na	na	na	na	
2000	na	na	na	na	na	na	na	na	na	na	na	na	na	
2005	6.4	6.5	6.2	6.4	6.2	7.2	7.0	7.5	6.3	6.3	5.2	7.3	3.7	
2010	7.9	7.9	8.0	7.8	8.1	8.0	13.4	9.4	6.7	7.7	8.3	9.9	6.7	
2015	7.9	7.0	9.0	8.3	6.6	9.0	10.0	8.5	7.9	8.4	5.6	8.9	13.1	
2020	8.8	8.1	9.7	9.2	7.8	9.4	3.3	9.1	7.2	9.4	9.6	8.2	11.6	
2021	8.6	7.8	9.5	9.3	7.0	9.8	9.2	8.5	6.6	9.6	10.7	3.6	12.8	
2022	8.1	7.3	9.0	8.9	6.5	8.6	6.1	8.7	6.7	9.1	11.1	8.6	4.4	
2023	7.8	6.8	8.9	8.6	6.1	8.2	7.9	8.2	6.5	8.9	10.1	8.3	4.1	
2024	7.7	6.6	8.8	8.5	5.9	10.1	6.3	8.0	6.4	8.5	10.0	3.8	10.3	
2025	7.3	6.6	8.1	8.0	5.7	8.7	6.0	7.7	7.6	8.0	8.7	5.9	12.6	

D = suppressed to avoid disclosure of confidential information. na = not applicable; doctorate recipients were instructed to indicate only one race before 2001, and sector for postdoctoral training commitments was not collected prior to 2004.

^a Total includes doctorate recipients who did not report sex or citizenship status.

^b Asian includes Native Hawaiians or Other Pacific Islanders through 2000 but excludes them since 2001.

^c Before 2001, other race included doctorate recipients who selected more than one race. Since 2001, other race has included Native Hawaiians or Other Pacific Islanders, who previously had been included in the category Asian.

^d Industry or business includes self-employment.

^e Other sector or unknown is mainly composed of elementary and secondary schools.

^f Outside of academe includes industry or business, government, nonprofit organizations, other sectors, and unknown.

Note(s):

Percentages are based on the number of doctorate recipients with definite commitments in the United States and with a known type of commitment (postdoc or employment). Hispanic or Latino may be of any race; race categories exclude Hispanic origin. Due to rounding, percentages may not sum to 100.

Source(s):

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

Table 2-8. Intention to stay in the U.S. after doctorate receipt among research doctorate recipients with temporary visas, by region and country or economy of citizenship: 2019–25

(Number and percent)

Region and country or economy of citizenship	2019–25		2019		2020		2021		2022		2023		2024		2025	
	Number	% staying	Number	% staying	Number	% staying	Number	% staying	Number	% staying	Number	% staying	Number	% staying	Number	% staying
All temporary visa holders	132,267	73.9	18,324	71.2	18,473	73.0	17,768	70.8	19,618	74.3	19,390	76.2	19,354	75.8	19,340	75.4
Africa	6,200	80.1	743	72.0	788	72.6	763	73.7	909	78.5	861	86.4	988	86.4	1,148	85.6
Nigeria	1,755	86.3	145	81.4	161	79.5	193	78.2	294	83.0	265	91.3	303	90.1	394	91.1
Egypt	1,033	82.0	163	74.8	127	81.1	134	79.9	143	81.8	145	84.8	148	86.5	173	85.0
Ghana	850	84.2	88	72.7	106	73.6	88	79.5	125	79.2	124	91.1	148	92.6	171	90.6
Kenya	364	77.7	38	78.9	57	70.2	53	58.5	43	79.1	38	81.6	72	84.7	63	88.9
Libya	286	D	61	68.9	61	77.0	57	78.9	40	77.5	24	D	24	D	19	D
Ethiopia	248	D	35	71.4	28	82.1	30	76.7	43	D	49	87.8	32	D	31	D
South Africa	185	55.1	29	51.7	24	54.2	23	60.9	26	38.5	21	61.9	34	70.6	28	46.4
Uganda	179	D	20	45.0	30	53.3	28	42.9	29	72.4	24	66.7	20	D	28	D
Zimbabwe	147	D	16	D	22	D	18	D	23	73.9	14	D	24	D	30	D
Tunisia	117	D	14	D	15	D	14	D	16	D	16	D	17	D	25	72.0
Cameroon	D	D	18	D	14	D	11	D	11	90.9	24	D	D	90.0	14	92.9
Rwanda	104	D	11	D	28	60.7	12	D	13	61.5	9	D	17	94.1	14	D
Tanzania	D	D	7	D	10	D	12	D	8	D	12	D	D	D	18	61.1
Other	746	70.9	98	57.1	105	59.0	90	67.8	95	70.5	96	81.3	122	78.7	140	77.9
Americas	11,560	66.1	1,536	60.7	1,669	60.1	1,512	64.3	1,714	68.0	1,716	70.3	1,720	69.3	1,693	69.2
Canada	2,838	59.2	427	62.3	398	57.8	369	54.5	474	59.1	404	62.6	376	61.7	390	56.2
Brazil	2,017	70.2	253	63.6	318	60.7	273	72.2	282	73.4	298	72.8	308	75.6	285	73.0
Mexico	1,544	72.8	187	64.2	236	64.0	218	71.6	226	76.1	235	79.1	235	76.2	207	77.3
Colombia	1,474	67.6	202	58.9	191	60.2	191	66.5	224	66.5	227	72.7	224	72.3	215	74.0
Chile	704	53.3	100	35.0	106	43.4	85	54.1	92	64.1	111	58.6	103	58.3	107	59.8
Peru	443	74.9	51	76.5	55	72.7	48	72.9	63	76.2	66	72.7	74	73.0	86	79.1
Argentina	403	63.8	52	61.5	64	68.8	46	63.0	42	71.4	68	64.7	65	60.0	66	59.1
Ecuador	366	D	50	42.0	49	63.3	54	59.3	44	77.3	55	72.7	60	71.7	54	D
Costa Rica	233	56.7	26	38.5	31	41.9	35	51.4	41	63.4	34	64.7	28	67.9	38	63.2
Jamaica	224	68.8	32	68.8	30	80.0	30	60.0	28	67.9	26	80.8	35	77.1	43	53.5
Venezuela	221	D	28	82.1	32	D	30	D	43	D	31	D	34	85.3	23	D
Trinidad and Tobago	124	62.1	15	66.7	26	57.7	16	68.8	12	58.3	16	62.5	19	57.9	20	65.0
Honduras	122	D	13	D	10	D	12	D	19	D	24	D	18	D	26	76.9
Uruguay	117	D	18	55.6	15	46.7	16	50.0	18	50.0	11	54.5	21	47.6	18	D
Guatemala	99	D	11	D	17	70.6	13	46.2	14	D	13	D	13	D	18	72.2
Dominican Republic	88	D	6	D	18	33.3	8	D	18	D	14	64.3	13	D	11	D
Bahamas, The	81	D	16	D	12	58.3	9	D	9	D	13	D	12	58.3	10	D
El Salvador	56	D	6	D	9	D	9	D	7	D	9	D	7	D	9	D
Bolivia	54	D	8	D	8	D	11	D	5	D	9	D	8	D	5	D
Other	352	63.4	35	62.9	44	50.0	39	59.0	53	62.3	52	67.3	67	61.2	62	75.8

Table 2-8. Intention to stay in the U.S. after doctorate receipt among research doctorate recipients with temporary visas, by region and country or economy of citizenship: 2019–25

(Number and percent)

Region and country or economy of citizenship	2019–25		2019		2020		2021		2022		2023		2024		2025	
	Number	% staying	Number	% staying	Number	% staying	Number	% staying	Number	% staying	Number	% staying	Number	% staying	Number	% staying
Asia	86,698	78.5	11,622	77.2	11,813	79.0	11,638	75.0	12,852	78.3	13,005	79.9	13,029	80.1	12,739	79.5
China ^a	45,457	77.9	6,316	79.2	6,335	80.1	6,198	73.8	6,659	76.7	6,651	77.6	6,753	79.3	6,545	78.7
India	17,406	87.4	2,056	85.9	2,250	88.0	2,300	85.8	2,674	88.2	2,764	89.0	2,647	88.4	2,715	86.2
South Korea	7,558	67.4	1,168	65.3	1,055	66.9	1,036	63.8	1,075	65.1	1,109	71.1	1,060	69.8	1,055	70.0
Bangladesh	3,342	88.7	292	86.0	392	86.0	397	88.4	551	88.7	552	91.5	593	89.2	565	88.8
Taiwan	3,123	76.8	492	73.4	468	76.9	410	73.9	416	80.5	462	79.9	419	77.1	456	75.9
Nepal	1,956	92.5	241	89.6	226	94.7	252	92.9	313	92.0	326	94.2	306	91.5	292	92.8
Sri Lanka	1,353	85.8	151	83.4	174	85.1	181	76.8	207	81.6	229	92.1	233	88.8	178	90.4
Vietnam	1,225	81.1	168	76.2	166	74.1	152	79.6	207	86.5	188	82.4	182	83.5	162	83.3
Pakistan	1,172	70.4	112	64.3	157	70.7	135	63.7	167	68.9	177	70.1	220	77.7	204	71.6
Japan	851	52.1	128	51.6	114	50.0	123	49.6	121	52.1	115	50.4	138	55.8	112	54.5
Thailand	849	D	159	30.2	127	30.7	125	D	112	48.2	114	35.1	107	36.4	105	37.1
Singapore	587	47.9	100	38.0	107	49.5	72	37.5	77	50.6	69	52.2	84	47.6	78	61.5
Indonesia	582	D	79	43.0	77	44.2	78	47.4	76	38.2	73	D	99	D	100	46.0
Malaysia	412	67.5	71	50.7	59	52.5	61	70.5	70	78.6	61	83.6	41	63.4	49	73.5
Philippines	347	D	38	65.8	45	64.4	58	51.7	55	D	44	75.0	61	73.8	46	78.3
Kazakhstan	163	D	11	D	17	70.6	18	72.2	16	68.8	32	78.1	38	63.2	31	D
Burma	57	D	9	D	9	D	7	D	6	D	12	D	9	D	5	D
Afghanistan	50	D	5	D	9	D	6	D	9	D	7	D	6	D	8	D
Other	208	D	26	69.2	26	61.5	29	69.0	41	78.0	20	D	33	81.8	33	D
Australia-Oceania	520	64.0	81	71.6	80	63.8	69	63.8	76	55.3	64	65.6	72	62.5	78	65.4
Australia	341	64.8	53	73.6	51	66.7	39	64.1	50	54.0	47	68.1	48	64.6	53	62.3
New Zealand	D	D	D	D	D	D	30	63.3	D	D	17	58.8	D	D	25	72.0
Other	D	D	D	D	D	D	0	0.0	D	D	0	0.0	D	D	0	0.0
Europe	11,832	66.5	1,755	64.4	1,705	67.4	1,668	63.7	1,734	68.9	1,742	67.2	1,629	66.4	1,599	67.4
Turkey (Türkiye)	2,530	68.7	406	64.5	371	70.1	330	63.0	354	69.8	368	72.8	353	69.7	348	71.0
Italy	1,227	64.1	174	63.8	170	64.1	145	57.2	193	70.5	185	60.0	185	59.5	175	72.0
Germany	1,138	61.2	152	57.9	151	54.3	187	58.3	160	65.0	162	63.6	153	67.3	173	61.8
United Kingdom	940	61.8	128	62.5	119	66.4	152	59.2	138	63.8	124	66.1	146	55.5	133	60.9
Spain	859	65.1	128	57.8	116	64.7	115	71.3	134	68.7	138	63.0	117	67.5	111	63.1
France	803	65.6	118	67.8	118	66.9	106	67.0	133	65.4	112	65.2	110	62.7	106	64.2
Russia	792	77.0	111	73.0	120	82.5	112	66.1	105	72.4	112	75.0	112	87.5	120	81.7
Greece	718	76.2	90	73.3	89	77.5	112	75.0	115	75.7	122	78.7	89	75.3	101	77.2
Netherlands	252	57.5	38	55.3	39	59.0	40	42.5	32	68.8	35	65.7	39	61.5	29	51.7
Ukraine	246	D	43	81.4	43	83.7	32	75.0	23	D	38	73.7	42	73.8	25	D
Poland	231	68.4	34	70.6	34	61.8	34	73.5	33	75.8	44	56.8	20	65.0	32	78.1
Romania	185	D	48	D	25	D	27	77.8	22	D	23	69.6	20	70.0	20	50.0

Table 2-8. Intention to stay in the U.S. after doctorate receipt among research doctorate recipients with temporary visas, by region and country or economy of citizenship: 2019–25

(Number and percent)

Region and country or economy of citizenship	2019–25		2019		2020		2021		2022		2023		2024		2025	
	Number	% staying	Number	% staying	Number	% staying	Number	% staying	Number	% staying	Number	% staying	Number	% staying	Number	% staying
Serbia	158	D	21	71.4	24	D	21	D	22	77.3	28	D	26	D	16	68.8
Switzerland	137	D	21	38.1	22	63.6	28	64.3	21	33.3	14	42.9	17	52.9	14	D
Portugal	135	D	24	62.5	20	55.0	17	58.8	24	50.0	20	70.0	8	D	22	36.4
Austria	132	53.8	17	52.9	22	54.5	20	50.0	15	66.7	21	61.9	17	52.9	20	40.0
Ireland	122	D	24	45.8	17	D	7	D	20	75.0	20	55.0	17	47.1	17	52.9
Hungary	107	D	17	D	24	66.7	15	60.0	10	D	19	52.6	14	57.1	8	D
Belgium	106	D	13	53.8	16	50.0	16	D	16	62.5	18	50.0	7	D	20	55.0
Sweden	87	D	12	D	15	46.7	7	D	16	62.5	15	D	14	57.1	8	D
Czechia	80	D	17	64.7	11	D	15	60.0	10	D	8	D	9	D	10	50.0
Albania	74	D	14	D	12	D	9	D	7	D	9	D	11	D	12	D
Cyprus	71	D	9	D	11	D	10	D	9	D	10	50.0	14	50.0	8	D
Denmark	69	D	8	D	8	D	14	35.7	15	D	8	D	9	D	7	D
Norway	66	D	12	D	10	D	8	D	10	D	6	D	12	58.3	8	D
Belarus	60	D	8	D	10	D	11	D	12	D	7	D	7	D	5	D
Other	507	61.1	68	69.1	88	58.0	78	62.8	85	62.4	76	55.3	61	59.0	51	62.7
Middle East	11,939	58.2	2,079	56.6	2,102	58.0	1,749	57.9	1,812	62.0	1,517	61.5	1,367	55.4	1,313	55.8
Iran	5,232	91.9	964	91.5	963	92.2	815	91.2	859	91.7	647	93.2	499	91.0	485	92.4
Saudi Arabia	3,607	13.5	554	12.8	614	14.3	485	10.1	492	11.6	483	16.6	502	14.1	477	15.1
Iraq	752	D	202	19.8	192	35.4	152	44.7	110	60.0	42	71.4	26	D	28	53.6
Jordan	657	64.5	89	56.2	114	51.8	83	57.8	93	72.0	75	76.0	111	72.1	92	68.5
Israel	476	53.8	80	53.8	69	50.7	65	55.4	71	50.7	71	49.3	62	53.2	58	65.5
Lebanon	404	D	53	79.2	39	84.6	42	D	65	83.1	71	90.1	67	88.1	67	80.6
Kuwait	301	D	68	7.4	45	11.1	46	10.9	45	11.1	31	D	28	D	38	15.8
Palestinian Territories, not specified	104	D	10	D	10	D	10	D	16	D	26	69.2	17	52.9	15	53.3
Oman	66	D	7	D	8	D	10	D	12	D	12	D	8	D	9	D
Armenia	D	D	10	D	10	D	8	D	13	D	10	D	D	87.5	6	D
United Arab Emirates	63	D	13	D	10	D	5	D	6	D	12	D	10	D	7	D
Georgia	54	D	6	D	7	D	7	D	11	D	6	D	11	D	6	D
Syria	D	D	12	D	10	D	6	D	6	D	9	D	D	D	5	D
Other	105	D	11	63.6	11	72.7	15	60.0	13	76.9	22	68.2	13	38.5	20	D
Region and country or economy unknown	3,518	54.9	508	49.4	316	48.4	369	54.7	521	52.6	485	61.0	549	56.6	770	57.7

D = suppressed to avoid disclosure of confidential information.

^a China includes Hong Kong.

Note(s):
Countries or economies with five or more doctoral recipients in every year on the table are listed separately; countries under each region are ordered based on the total number of doctorate recipients in the years shown. Percentages are based on the number of doctorate recipients on temporary visas and not just those with definite commitments for employment or postdoctoral study.

Source(s):
National Center for Science and Engineering Statistics, Survey of Earned Doctorates.

Table 3-1. Research doctorate recipients, by detailed field of doctorate: 2021–25

(Number)

Field of doctorate	2021	2022	2023	2024	2025
All fields	52,158	57,435	57,801	58,013	59,015
Science and engineering	41,187	45,835	45,930	46,300	47,272
Agricultural sciences and natural resources	1,222	1,304	1,278	1,304	1,325
Agricultural, animal, plant, and veterinary sciences	806	857	856	863	875
Agronomy and crop science	69	68	76	71	62
Animal sciences	159	174	173	195	189
Food science and technology	175	156	178	158	141
Plant sciences	152	162	149	152	176
Soil sciences	79	100	86	84	108
Veterinary biomedical and clinical sciences	78	77	93	74	94
Agricultural, animal, plant, and veterinary sciences nec	94	120	101	129	105
Natural resources and conservation	416	447	422	441	450
Environmental science	117	145	132	148	137
Environmental/ natural resources management and policy	78	72	63	73	58
Forestry	74	69	69	67	86
Natural resources conservation and research	74	72	81	71	95
Natural resources and conservation nec	73	89	77	82	74
Biological and biomedical sciences	8,243	9,372	9,714	9,768	9,950
Biochemistry, biophysics, and molecular biology	1,346	1,554	1,508	1,508	1,521
Biochemistry	416	465	440	453	425
Biochemistry and biophysics	na	na	na	na	65
Biochemistry and molecular biology	263	325	311	339	307
Biophysics	234	251	254	227	233
Molecular biology	260	274	267	243	300
Biochemistry, biophysics, and molecular biology nec	173	239	236	246	191
Bioinformatics, biostatistics, and computational biology	562	688	734	733	742
Bioinformatics	136	169	181	184	203
Biostatistics	223	260	283	274	278
Computational biology	106	154	150	157	166
Bioinformatics, biostatistics, and computational biology nec	97	105	120	118	95
Biological and biomedical sciences, general	660	844	904	902	968
Biology/ biological sciences, general	330	470	520	530	533
Biomedical sciences, general	330	374	384	372	435
Cell/ cellular biology and anatomy	655	684	760	791	784
Cell/ cellular and molecular biology	480	522	582	626	631
Developmental biology and embryology	103	114	96	99	93
Cell/ cellular biology and anatomy nec	72	48	82	66	60
Ecology, evolutionary biology, and epidemiology	981	1,121	1,143	1,152	1,078
Ecology	227	238	246	244	265
Ecology and evolutionary biology	243	270	277	302	242
Epidemiology	296	386	381	375	346
Epidemiology and biostatistics	54	45	39	46	39
Evolutionary biology	68	83	84	82	101
Ecology, evolutionary biology, and epidemiology nec	93	99	116	103	85
Genetics and genomics	397	436	476	470	488
Genetics, general	121	122	128	133	127
Genome sciences and genomics	72	97	115	106	110
Human/ medical genetics	62	81	71	66	86
Molecular genetics	71	66	77	92	69
Genetics and genomics nec	71	70	85	73	96
Microbiology and immunology	972	1,088	1,092	1,091	1,136
Immunology	303	343	342	357	398
Microbiology and immunology	215	265	271	281	276

Table 3-1. Research doctorate recipients, by detailed field of doctorate: 2021–25

(Number)

Field of doctorate	2021	2022	2023	2024	2025
Microbiology, general	257	270	275	257	267
Virology	107	123	111	92	95
Microbiology and immunology nec	90	87	93	104	100
Neurobiology and neurosciences	1,013	1,176	1,201	1,234	1,343
Cognitive neuroscience	102	131	114	113	111
Computational neuroscience	na	60	61	64	76
Neurobiology	138	79	68	53	110
Neuroscience	685	823	877	901	994
Neurobiology and neurosciences nec	88	83	81	103	52
Pharmacology and toxicology	311	386	408	376	393
Pharmacology	131	164	185	183	193
Toxicology	106	125	95	90	115
Pharmacology and toxicology nec	74	97	128	103	85
Physiology, oncology, and cancer biology	711	764	819	846	845
Biomechanics	77	69	85	94	71
Exercise physiology and kinesiology	76	95	103	99	119
Oncology and cancer biology	314	318	336	332	362
Physiology, general	75	99	78	84	80
Physiology, oncology, and cancer biology nec	169	183	217	237	213
Biological and biomedical sciences, other	635	631	669	665	652
Botany and plant biology	62	45	58	70	91
Entomology	114	134	124	129	118
Plant pathology and phytopathology	119	98	105	82	100
Plant physiology and biology nec	60	70	68	71	71
Zoology and animal biology	96	84	88	105	103
Biological and biomedical sciences nec	184	200	226	208	169
Computer and information sciences	2,194	2,188	2,296	2,590	3,002
Computer science	1,545	1,485	1,605	1,768	2,027
Computer science	1,545	1,485	1,605	1,768	2,027
Computer and information sciences, other	649	703	691	822	975
Artificial intelligence	167	205	211	295	368
Computer and information sciences, general	109	129	108	132	156
Computer systems networking and telecommunications	113	116	91	93	79
Cybersecurity	na	na	na	na	66
Informatics and information technology	88	94	105	133	115
Information sciences/ studies	103	92	120	106	131
Computer and information sciences nec	69	67	56	63	60
Engineering	9,634	10,803	10,753	10,529	10,876
Aerospace, aeronautical, astronautical, and space engineering	372	586	584	596	628
Aerospace, aeronautical, astronautical, and space engineering, general	257	220	235	217	230
Mechanical and aerospace engineering	na	213	207	218	224
Aerospace, aeronautical, astronautical, and space engineering nec	115	153	142	161	174
Biological, biomedical, and biosystems engineering	1,070	1,235	1,312	1,294	1,390
Bioengineering and biomedical engineering	977	1,134	1,221	1,202	1,301
Biological/ biosystems engineering and biomedical technology	93	101	91	92	89
Chemical and petroleum engineering	1,202	1,253	1,245	1,243	1,285
Chemical and biomolecular engineering	189	205	211	216	247
Chemical engineering	801	883	862	847	870
Petroleum engineering	132	102	103	98	108
Chemical and petroleum engineering nec	80	63	69	82	60
Civil, environmental, and transportation engineering	1,011	1,314	1,277	1,246	1,276
Civil engineering	571	330	342	341	323
Civil and environmental engineering	na	501	505	474	514

Table 3-1. Research doctorate recipients, by detailed field of doctorate: 2021–25

(Number)

Field of doctorate	2021	2022	2023	2024	2025
Environmental/ environmental health engineering	93	65	58	60	87
Geotechnical and geoenvironmental engineering	76	87	81	69	67
Structural engineering	127	131	132	115	103
Transportation and highway engineering	76	112	81	94	81
Civil, environmental, and transportation engineering nec	68	88	78	93	101
Electrical and computer engineering	2,047	2,129	2,119	2,021	2,111
Computer engineering	264	263	256	252	294
Electrical and computer engineering	1,205	1,358	1,360	1,310	1,384
Electrical and electronics engineering	512	433	435	400	373
Electrical and computer engineering nec	66	75	68	59	60
Engineering technologies	452	360	403	416	374
Electrical and electronic engineering technologies	80	55	72	98	63
Electromechanical technologies	59	90	90	89	106
Environmental control technologies	148	58	70	57	65
Engineering technologies nec	165	157	171	172	140
Industrial engineering and operations research	604	655	626	609	666
Industrial engineering	325	210	174	160	190
Industrial and systems engineering	na	128	134	168	147
Operations research	160	183	186	164	182
Systems and manufacturing engineering	119	134	132	117	147
Materials and mining engineering	670	925	912	850	867
Materials engineering	193	85	102	99	73
Materials science and engineering	429	783	762	707	743
Materials and mining engineering nec	48	57	48	44	51
Mechanical engineering	1,501	1,541	1,552	1,519	1,564
Mechanical engineering, general	1,413	1,436	1,472	1,387	1,431
Mechanical engineering nec	88	105	80	132	133
Engineering, other	705	805	723	735	715
Agricultural and natural resources engineering	77	70	80	79	85
Engineering mechanics, physics, and science	111	166	106	135	129
Nanotechnology, nanoscience, and nanoengineering	117	143	131	122	117
Nuclear engineering	155	163	162	157	137
Engineering nec	245	263	244	242	247
Geosciences, atmospheric, and ocean sciences	1,044	1,165	1,216	1,204	1,192
Geological and earth sciences	613	658	682	685	641
Geochemistry	60	42	47	53	55
Geology	109	79	91	86	80
Geology/ earth science, general	103	121	142	111	135
Geophysics and seismology	102	118	105	105	85
Hydrology and water resources science	81	89	96	88	69
Geological and earth sciences nec	158	209	201	242	217
Ocean, marine, and atmospheric sciences	431	507	534	519	551
Atmospheric sciences and meteorology, general	94	120	111	109	110
Atmospheric sciences and meteorology nec	47	95	123	107	87
Climatology, atmospheric chemistry/ physics	60	67	67	57	72
Marine biology and biological oceanography	89	97	92	103	108
Marine sciences	57	63	66	72	81
Oceanography, chemical/ physical	84	65	75	71	93
Health sciences	2,576	2,797	2,742	2,868	2,911
Nursing and nursing science	601	617	638	581	659
Nursing education	88	81	84	85	97
Nursing science	358	381	396	344	396
Nursing specialties and practice	155	155	158	152	166

Table 3-1. Research doctorate recipients, by detailed field of doctorate: 2021–25

(Number)

Field of doctorate	2021	2022	2023	2024	2025
Pharmacy and pharmaceutical sciences	408	458	442	471	418
Medicinal and pharmaceutical chemistry	64	75	74	88	69
Pharmaceutical sciences	243	280	262	261	258
Pharmacy, pharmaceutical sciences, and administration nec	101	103	106	122	91
Public health	696	792	767	806	796
Environmental health	66	68	70	78	77
Health services research	86	118	105	107	95
Health/ medical physics	71	68	72	70	64
Public health education and promotion	94	111	112	96	105
Public health, general	179	211	204	215	220
Public health nec	200	216	204	240	235
Health sciences, other	871	930	895	1,010	1,038
Communication disorders sciences	127	134	109	126	112
Exercise science and kinesiology	92	102	90	134	105
Health sciences, general	64	61	61	71	76
Marriage and family therapy/ counseling	58	68	53	65	83
Medical clinical sciences	60	75	67	90	70
Medical, biomedical, and health informatics	60	75	59	69	96
Mental health, counseling, and therapy services and sciences	91	93	99	87	104
Rehabilitation and therapeutic sciences	120	149	156	157	172
Health sciences nec	199	173	201	211	220
Mathematics and statistics	1,906	2,143	2,054	2,003	2,069
Applied mathematics	475	478	488	442	444
Applied mathematics, general	265	275	265	235	251
Computational and applied mathematics	141	140	165	151	141
Applied mathematics nec	69	63	58	56	52
Mathematics	814	978	890	920	967
Algebra and number theory	69	75	71	78	70
Mathematics, general	639	763	687	727	771
Mathematics nec	106	140	132	115	126
Statistics	617	687	676	641	658
Applied statistics, general	55	70	58	45	51
Mathematics and statistics	128	101	70	95	91
Statistics	401	469	484	449	471
Statistics nec	33	47	64	52	45
Multidisciplinary/ interdisciplinary sciences	1,214	1,733	1,671	1,625	1,781
Interdisciplinary computer sciences	447	626	582	549	673
Computer science and engineering	118	230	187	218	253
Electrical engineering and computer science	224	276	250	213	203
Human-computer interaction	69	84	84	73	105
Interdisciplinary computer sciences nec	36	36	61	45	112
Multidisciplinary/ interdisciplinary sciences, other	767	1,107	1,089	1,076	1,108
Behavioral and cognitive sciences	79	89	117	118	79
Computational science and engineering	104	111	132	105	94
Data mining and machine learning	na	259	234	221	231
Data science and data analytics	106	94	86	113	116
History/ philosophy of science, technology, and society	67	67	68	58	72
Nutrition sciences	137	129	128	125	159
Polymer science and engineering	na	62	63	68	49
Multidisciplinary/ interdisciplinary sciences nec	274	296	261	268	308
Physical sciences	4,807	5,426	5,439	5,355	5,332
Astronomy and astrophysics	263	289	323	340	337
Astronomy	71	109	107	117	87

Table 3-1. Research doctorate recipients, by detailed field of doctorate: 2021–25

(Number)

Field of doctorate	2021	2022	2023	2024	2025
Astrophysics	113	115	133	127	145
Astronomy and astrophysics nec	79	65	83	96	105
Chemistry	2,366	2,782	2,728	2,730	2,627
Analytical chemistry	320	366	344	364	322
Chemical biology	151	163	191	197	197
Chemistry, general	494	582	610	642	615
Inorganic chemistry	282	324	266	297	258
Organic chemistry	454	612	565	517	536
Physical chemistry	293	315	294	266	262
Polymer chemistry	121	98	81	85	86
Theoretical and computational chemistry	108	159	202	205	194
Chemistry nec	143	163	175	157	157
Materials sciences	429	385	388	357	326
Materials science	276	176	188	167	156
Materials chemistry and materials sciences nec	153	209	200	190	170
Physics	1,749	1,970	2,000	1,928	2,042
Applied physics	132	161	124	165	160
Atomic/ molecular physics	89	87	103	83	94
Condensed matter and materials physics	359	433	365	316	388
Elementary particle physics	166	151	164	164	143
Nuclear physics	79	104	91	84	107
Optics/ optical sciences	120	138	135	128	132
Physics and astronomy	193	232	280	236	263
Physics, general	337	399	430	418	464
Plasma and high-temperature physics	57	51	67	73	60
Theoretical and mathematical physics	99	101	117	119	132
Physics and physical sciences nec	118	113	124	142	99
Psychology	3,696	3,861	3,779	3,932	3,941
Clinical psychology	1,243	1,130	1,195	1,155	1,179
Clinical child psychology	52	55	51	60	61
Clinical psychology	1,191	1,075	1,144	1,095	1,118
Counseling and applied psychology	1,337	1,416	1,291	1,454	1,315
Applied behavior analysis	59	44	49	58	56
Counseling psychology	366	388	365	407	340
Educational psychology	229	245	247	238	194
Industrial and organizational psychology	181	197	169	200	173
School psychology	260	241	224	255	246
Counseling and applied psychology nec	242	301	237	296	306
Research and experimental psychology	651	852	802	815	874
Behavioral neuroscience	87	105	82	107	111
Cognitive psychology and psycholinguistics	106	100	111	99	104
Developmental and child psychology	78	114	103	108	110
Experimental psychology	98	130	111	107	128
Social psychology	143	221	189	185	226
Research and experimental psychology nec	139	182	206	209	195
Psychology, other	465	463	491	508	573
Human development	141	145	155	154	157
Psychology, general	256	265	279	292	347
Psychology nec	68	53	57	62	69
Social sciences	4,651	5,043	4,988	5,122	4,893
Anthropology	387	409	379	395	433
Anthropology, general	78	102	99	113	131
Cultural anthropology	187	198	161	177	176

Table 3-1. Research doctorate recipients, by detailed field of doctorate: 2021–25

(Number)

Field of doctorate	2021	2022	2023	2024	2025
Physical and biological anthropology	72	75	69	69	74
Anthropology nec	50	34	50	36	52
Area, ethnic, cultural, gender, and group studies	383	442	452	457	419
American studies	49	68	52	60	55
Area studies	175	176	214	214	192
Ethnic studies	81	102	103	95	73
Area, ethnic, cultural, gender, and group studies nec	78	96	83	88	99
Economics	1,315	1,391	1,392	1,386	1,390
Agricultural economics	76	97	90	97	61
Applied economics	134	131	130	142	130
Econometrics and quantitative economics	146	179	202	227	216
Economics, general	801	826	814	768	764
Environmental/ natural resource economics	55	50	62	58	72
International and development economics	80	77	64	56	61
Economics nec	23	31	30	38	86
Political science and government	581	676	662	673	634
Political science and government, general	488	551	553	561	530
Political science and government nec	93	125	109	112	104
Public policy analysis	400	433	407	434	383
Education policy analysis	132	130	111	126	89
Public policy analysis, general	158	120	113	112	102
Public policy nec	110	183	183	196	192
Sociology, demography, and population studies	578	624	627	637	588
Sociology, general	501	553	556	554	512
Sociology, demography, and population studies nec	77	71	71	83	76
Social sciences, other	1,007	1,068	1,069	1,140	1,046
Applied linguistics	74	70	70	76	75
Archeology	83	105	91	91	79
Criminology	97	118	135	111	120
Geography and cartography	223	220	213	203	189
International relations and national security studies	104	129	115	131	119
Linguistics	203	192	194	219	189
Social sciences nec	223	234	251	309	275
Non-science and engineering	10,971	11,600	11,871	11,713	11,743
Business	1,344	1,398	1,507	1,355	1,350
Business administration and management	459	444	492	440	461
Business management and administration	235	297	312	226	263
Organizational leadership	117	54	67	92	89
Business administration and management nec	107	93	113	122	109
Business, other	885	954	1,015	915	889
Accounting and accounting-related	135	159	163	150	148
Finance and financial management	194	208	219	185	174
Management information systems	88	92	82	93	83
Management sciences	72	77	88	91	78
Marketing	119	146	145	136	126
Organizational behavior studies	103	94	99	81	76
Business nec	174	178	219	179	204
Education	3,698	3,881	3,979	3,929	4,048
Education leadership and administration	1,073	1,150	1,177	1,156	1,245
Educational leadership and administration, general	491	478	501	463	380
Educational leadership and policy	na	na	na	na	236
Higher education and community college administration	391	436	451	467	449
Education leadership and administration nec	191	236	225	226	180

Table 3-1. Research doctorate recipients, by detailed field of doctorate: 2021–25

(Number)

Field of doctorate	2021	2022	2023	2024	2025
Education research	1,203	1,178	1,251	1,218	1,194
Curriculum and instruction	425	407	412	403	396
Educational assessment, evaluation, and research methods	222	218	203	212	213
Educational/ instructional technology and media design	155	170	199	205	191
Higher education evaluation and research	61	60	62	52	52
Student counseling and personnel services	266	245	283	275	270
Education research nec	74	78	92	71	72
Teacher education and teaching fields	1,007	1,093	1,096	1,108	1,124
Adult, continuing, and workforce education and development	66	64	61	59	56
Bilingual, multilingual, and multicultural education	76	62	72	66	62
Early childhood education and teaching	43	47	43	38	64
Language and literacy education	na	103	102	98	95
Mathematics teacher education	75	49	73	53	62
Music teacher education	73	73	77	65	67
Special education and teaching	234	257	246	259	259
STEM educational methods	70	83	75	85	97
Teacher education, science and engineering	63	74	55	72	72
Teacher education, specific levels and methods	109	140	158	177	154
Teacher education, specific subject areas	198	141	134	136	136
Education, other	415	460	455	447	485
Education, general	267	323	322	319	342
Education nec	148	137	133	128	143
Humanities	3,108	3,367	3,357	3,304	3,355
English language and literature, letters	949	1,062	1,037	1,016	984
American literature (United States)	129	138	113	108	114
Creative writing	68	75	103	89	89
English language and literature, general	361	396	397	402	417
English literature (British and Commonwealth)	131	161	141	119	100
Rhetoric, composition, and writing studies	191	217	198	205	179
English language and literature nec	69	75	85	93	85
Foreign languages, literatures, and linguistics	505	538	572	539	542
Comparative literature	118	91	130	108	109
Hispanic/ Latin American languages, literatures, and linguistics	70	92	97	84	94
Romance languages, literatures, and linguistics	72	104	97	99	97
Spanish language and literature	79	92	97	77	81
Foreign languages, literatures, and linguistics nec	166	159	151	171	161
History	684	731	733	719	779
American history (United States)	222	245	240	229	244
European history	88	120	109	112	101
History, general	168	144	175	179	239
History, regional focus	133	145	139	126	130
History nec	73	77	70	73	65
Philosophy and religious studies	598	643	619	631	628
Philosophy	387	406	394	417	413
Religion/ religious studies	125	140	143	135	128
Philosophy and religious studies nec	86	97	82	79	87
Humanities, other	372	393	396	399	422
Bible/ biblical studies	71	90	99	84	85
Humanities and humanistic studies	62	79	99	124	113
Theological and ministerial studies	239	224	198	191	224
Visual and performing arts	770	835	824	874	793
Performing arts	490	489	487	518	494
Dance, drama, theatre arts, and stagecraft	82	85	83	92	73

Table 3-1. Research doctorate recipients, by detailed field of doctorate: 2021–25

(Number)

Field of doctorate	2021	2022	2023	2024	2025
Music performance	127	117	122	133	135
Music theory and composition	86	92	94	89	75
Musicology and ethnomusicology	116	112	109	106	126
Music nec	79	83	79	98	85
Visual arts, media studies, and design	280	346	337	356	299
Art history, criticism, and conservation	167	208	185	210	187
Film, cinema, and media studies	62	74	84	88	55
Visual arts, media studies, and design nec	51	64	68	58	57
Other non-science and engineering	2,051	2,119	2,204	2,251	2,197
Communication and journalism	521	586	635	645	584
Applied communication, advertising, and public relations	94	103	87	105	82
Communication and media studies	161	145	167	141	135
Communication, general	85	166	194	190	187
Mass communication/ media studies	95	94	94	106	81
Communication and journalism nec	86	78	93	103	99
Multidisciplinary/ interdisciplinary studies	303	372	376	385	349
Classical and ancient studies	91	100	126	108	111
Interdisciplinary leadership/ leadership studies	na	108	106	149	113
Multidisciplinary/ interdisciplinary studies nec	212	164	144	128	125
Public administration and social services	489	467	505	533	532
Public administration	175	92	70	91	102
Public administration and policy	na	86	99	108	96
Social work and human services	314	289	336	334	334
Non-science and engineering, other	738	694	688	688	732
Architecture and architectural studies	132	99	118	137	127
City/ urban, community, and regional planning	102	103	103	90	101
Family, consumer, and human sciences	139	128	132	123	138
Homeland security and protective services	169	154	137	139	139
Law/ legal studies and research	79	71	73	96	73
Parks, recreation, leisure, fitness, and sport studies and management	87	113	93	73	112
Other non-science and engineering nec	30	26	32	30	42

na = not applicable; data were not collected at this level of detail.

nec = not elsewhere classified; STEM = science, technology, engineering, and mathematics.

Note(s):

The survey data collection for the field of study changed in 2021, which may affect the data comparisons across years. This table uses the new field taxonomy based on a modified version of the 2020 Classification of Instructional Programs (CIP) codes and does not match data that uses the trend field taxonomy. 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.

Table 3-2. Research doctorate recipients, by detailed field of doctorate and sex: 2025

(Number)

Field of doctorate	Total ^a	Male	Female	% female
All fields	59,015	30,214	28,801	48.8
Science and engineering	47,272	25,550	21,722	46.0
Agricultural sciences and natural resources	1,325	607	718	54.2
Agricultural, animal, plant, and veterinary sciences	875	419	456	52.1
Agronomy and crop science	62	36	26	41.9
Animal sciences	189	82	107	56.6
Food science and technology	141	63	78	55.3
Plant sciences	176	101	75	42.6
Soil sciences	108	55	53	49.1
Veterinary biomedical and clinical sciences	94	33	61	64.9
Agricultural, animal, plant, and veterinary sciences nec	105	49	56	53.3
Natural resources and conservation	450	188	262	58.2
Environmental science	137	47	90	65.7
Environmental/ natural resources management and policy	58	30	28	48.3
Forestry	86	39	47	54.7
Natural resources conservation and research	95	32	63	66.3
Natural resources and conservation nec	74	40	34	45.9
Biological and biomedical sciences	9,950	4,316	5,634	56.6
Biochemistry, biophysics, and molecular biology	1,521	790	731	48.1
Biochemistry	425	210	215	50.6
Biochemistry and biophysics	65	38	27	41.5
Biochemistry and molecular biology	307	144	163	53.1
Biophysics	233	157	76	32.6
Molecular biology	300	144	156	52.0
Biochemistry, biophysics, and molecular biology nec	191	97	94	49.2
Bioinformatics, biostatistics, and computational biology	742	404	338	45.6
Bioinformatics	203	106	97	47.8
Biostatistics	278	143	135	48.6
Computational biology	166	104	62	37.3
Bioinformatics, biostatistics, and computational biology nec	95	51	44	46.3
Biological and biomedical sciences, general	968	386	582	60.1
Biology/ biological sciences, general	533	217	316	59.3
Biomedical sciences, general	435	169	266	61.1
Cell/ cellular biology and anatomy	784	298	486	62.0
Cell/ cellular and molecular biology	631	236	395	62.6
Developmental biology and embryology	93	40	53	57.0
Cell/ cellular biology and anatomy nec	60	22	38	63.3
Ecology, evolutionary biology, and epidemiology	1,078	392	686	63.6
Ecology	265	103	162	61.1
Ecology and evolutionary biology	242	96	146	60.3
Epidemiology	346	93	253	73.1
Epidemiology and biostatistics	39	16	23	59.0
Evolutionary biology	101	50	51	50.5
Ecology, evolutionary biology, and epidemiology nec	85	34	51	60.0
Genetics and genomics	488	192	296	60.7
Genetics, general	127	47	80	63.0
Genome sciences and genomics	110	48	62	56.4
Human/ medical genetics	86	20	66	76.7
Molecular genetics	69	29	40	58.0
Genetics and genomics nec	96	48	48	50.0
Microbiology and immunology	1,136	467	669	58.9
Immunology	398	186	212	53.3
Microbiology and immunology	276	104	172	62.3

Table 3-2. Research doctorate recipients, by detailed field of doctorate and sex: 2025

(Number)

Field of doctorate	Total ^a	Male	Female	% female
Microbiology, general	267	101	166	62.2
Virology	95	37	58	61.1
Microbiology and immunology nec	100	39	61	61.0
Neurobiology and neurosciences	1,343	560	783	58.3
Cognitive neuroscience	111	45	66	59.5
Computational neuroscience	76	52	24	31.6
Neurobiology	110	41	69	62.7
Neuroscience	994	408	586	59.0
Neurobiology and neurosciences nec	52	14	38	73.1
Pharmacology and toxicology	393	145	248	63.1
Pharmacology	193	77	116	60.1
Toxicology	115	32	83	72.2
Pharmacology and toxicology nec	85	36	49	57.6
Physiology, oncology, and cancer biology	845	401	444	52.5
Biomechanics	71	42	29	40.8
Exercise physiology and kinesiology	119	67	52	43.7
Oncology and cancer biology	362	162	200	55.2
Physiology, general	80	43	37	46.3
Physiology, oncology, and cancer biology nec	213	87	126	59.2
Biological and biomedical sciences, other	652	281	371	56.9
Botany and plant biology	91	40	51	56.0
Entomology	118	53	65	55.1
Plant pathology and phytopathology	100	51	49	49.0
Plant physiology and biology nec	71	28	43	60.6
Zoology and animal biology	103	38	65	63.1
Biological and biomedical sciences nec	169	71	98	58.0
Computer and information sciences	3,002	2,238	764	25.4
Computer science	2,027	1,551	476	23.5
Computer science	2,027	1,551	476	23.5
Computer and information sciences, other	975	687	288	29.5
Artificial intelligence	368	285	83	22.6
Computer and information sciences, general	156	111	45	28.8
Computer systems networking and telecommunications	79	58	21	26.6
Cybersecurity	66	54	12	18.2
Informatics and information technology	115	73	42	36.5
Information sciences/ studies	131	62	69	52.7
Computer and information sciences nec	60	44	16	26.7
Engineering	10,876	7,728	3,148	28.9
Aerospace, aeronautical, astronautical, and space engineering	628	516	112	17.8
Aerospace, aeronautical, astronautical, and space engineering, general	230	191	39	17.0
Mechanical and aerospace engineering	224	184	40	17.9
Aerospace, aeronautical, astronautical, and space engineering nec	174	141	33	19.0
Biological, biomedical, and biosystems engineering	1,390	770	620	44.6
Bioengineering and biomedical engineering	1,301	713	588	45.2
Biological/ biosystems engineering and biomedical technology	89	57	32	36.0
Chemical and petroleum engineering	1,285	847	438	34.1
Chemical and biomolecular engineering	247	160	87	35.2
Chemical engineering	870	561	309	35.5
Petroleum engineering	108	86	22	20.4
Chemical and petroleum engineering nec	60	40	20	33.3
Civil, environmental, and transportation engineering	1,276	818	458	35.9
Civil engineering	323	226	97	30.0
Civil and environmental engineering	514	307	207	40.3

Table 3-2. Research doctorate recipients, by detailed field of doctorate and sex: 2025

(Number)

Field of doctorate	Total ^a	Male	Female	% female
Environmental/ environmental health engineering	87	39	48	55.2
Geotechnical and geoenvironmental engineering	67	50	17	25.4
Structural engineering	103	81	22	21.4
Transportation and highway engineering	81	54	27	33.3
Civil, environmental, and transportation engineering nec	101	61	40	39.6
Electrical and computer engineering	2,111	1,679	432	20.5
Computer engineering	294	230	64	21.8
Electrical and computer engineering	1,384	1,099	285	20.6
Electrical and electronics engineering	373	304	69	18.5
Electrical and computer engineering nec	60	46	14	23.3
Engineering technologies	374	296	78	20.9
Electrical and electronic engineering technologies	63	55	8	12.7
Electromechanical technologies	106	92	14	13.2
Environmental control technologies	65	45	20	30.8
Engineering technologies nec	140	104	36	25.7
Industrial engineering and operations research	666	438	228	34.2
Industrial engineering	190	112	78	41.1
Industrial and systems engineering	147	92	55	37.4
Operations research	182	130	52	28.6
Systems and manufacturing engineering	147	104	43	29.3
Materials and mining engineering	867	604	263	30.3
Materials engineering	73	50	23	31.5
Materials science and engineering	743	516	227	30.6
Materials and mining engineering nec	51	38	13	25.5
Mechanical engineering	1,564	1,230	334	21.4
Mechanical engineering, general	1,431	1,129	302	21.1
Mechanical engineering nec	133	101	32	24.1
Engineering, other	715	530	185	25.9
Agricultural and natural resources engineering	85	71	14	16.5
Engineering mechanics, physics, and science	129	113	16	12.4
Nanotechnology, nanoscience, and nanoengineering	117	94	23	19.7
Nuclear engineering	137	107	30	21.9
Engineering nec	247	145	102	41.3
Geosciences, atmospheric, and ocean sciences	1,192	620	572	48.0
Geological and earth sciences	641	348	293	45.7
Geochemistry	55	30	25	45.5
Geology	80	44	36	45.0
Geology/ earth science, general	135	78	57	42.2
Geophysics and seismology	85	49	36	42.4
Hydrology and water resources science	69	43	26	37.7
Geological and earth sciences nec	217	104	113	52.1
Ocean, marine, and atmospheric sciences	551	272	279	50.6
Atmospheric sciences and meteorology, general	110	64	46	41.8
Atmospheric sciences and meteorology nec	87	50	37	42.5
Climatology, atmospheric chemistry/ physics	72	42	30	41.7
Marine biology and biological oceanography	108	39	69	63.9
Marine sciences	81	29	52	64.2
Oceanography, chemical/ physical	93	48	45	48.4
Health sciences	2,911	863	2,048	70.4
Nursing and nursing science	659	70	589	89.4
Nursing education	97	9	88	90.7
Nursing science	396	43	353	89.1
Nursing specialties and practice	166	18	148	89.2

Table 3-2. Research doctorate recipients, by detailed field of doctorate and sex: 2025

(Number)

Field of doctorate	Total ^a	Male	Female	% female
Pharmacy and pharmaceutical sciences	418	202	216	51.7
Medicinal and pharmaceutical chemistry	69	34	35	50.7
Pharmaceutical sciences	258	124	134	51.9
Pharmacy, pharmaceutical sciences, and administration nec	91	44	47	51.6
Public health	796	230	566	71.1
Environmental health	77	21	56	72.7
Health services research	95	23	72	75.8
Health/ medical physics	64	43	21	32.8
Public health education and promotion	105	20	85	81.0
Public health, general	220	53	167	75.9
Public health nec	235	70	165	70.2
Health sciences, other	1,038	361	677	65.2
Communication disorders sciences	112	24	88	78.6
Exercise science and kinesiology	105	47	58	55.2
Health sciences, general	76	33	43	56.6
Marriage and family therapy/ counseling	83	16	67	80.7
Medical clinical sciences	70	26	44	62.9
Medical, biomedical, and health informatics	96	60	36	37.5
Mental health, counseling, and therapy services and sciences	104	23	81	77.9
Rehabilitation and therapeutic sciences	172	57	115	66.9
Health sciences nec	220	75	145	65.9
Mathematics and statistics	2,069	1,434	635	30.7
Applied mathematics	444	280	164	36.9
Applied mathematics, general	251	155	96	38.2
Computational and applied mathematics	141	96	45	31.9
Applied mathematics nec	52	29	23	44.2
Mathematics	967	711	256	26.5
Algebra and number theory	70	57	13	18.6
Mathematics, general	771	568	203	26.3
Mathematics nec	126	86	40	31.7
Statistics	658	443	215	32.7
Applied statistics, general	51	31	20	39.2
Mathematics and statistics	91	64	27	29.7
Statistics	471	324	147	31.2
Statistics nec	45	24	21	46.7
Multidisciplinary/ interdisciplinary sciences	1,781	1,064	717	40.3
Interdisciplinary computer sciences	673	488	185	27.5
Computer science and engineering	253	187	66	26.1
Electrical engineering and computer science	203	165	38	18.7
Human-computer interaction	105	49	56	53.3
Interdisciplinary computer sciences nec	112	87	25	22.3
Multidisciplinary/ interdisciplinary sciences, other	1,108	576	532	48.0
Behavioral and cognitive sciences	79	30	49	62.0
Computational science and engineering	94	69	25	26.6
Data mining and machine learning	231	180	51	22.1
Data science and data analytics	116	67	49	42.2
History/ philosophy of science, technology, and society	72	27	45	62.5
Nutrition sciences	159	37	122	76.7
Polymer science and engineering	49	28	21	42.9
Multidisciplinary/ interdisciplinary sciences nec	308	138	170	55.2
Physical sciences	5,332	3,477	1,855	34.8
Astronomy and astrophysics	337	216	121	35.9
Astronomy	87	57	30	34.5

Table 3-2. Research doctorate recipients, by detailed field of doctorate and sex: 2025

(Number)

Field of doctorate	Total ^a	Male	Female	% female
Astrophysics	145	97	48	33.1
Astronomy and astrophysics nec	105	62	43	41.0
Chemistry	2,627	1,468	1,159	44.1
Analytical chemistry	322	144	178	55.3
Chemical biology	197	94	103	52.3
Chemistry, general	615	343	272	44.2
Inorganic chemistry	258	135	123	47.7
Organic chemistry	536	331	205	38.2
Physical chemistry	262	160	102	38.9
Polymer chemistry	86	44	42	48.8
Theoretical and computational chemistry	194	145	49	25.3
Chemistry nec	157	72	85	54.1
Materials sciences	326	201	125	38.3
Materials science	156	105	51	32.7
Materials chemistry and materials sciences nec	170	96	74	43.5
Physics	2,042	1,592	450	22.0
Applied physics	160	123	37	23.1
Atomic/ molecular physics	94	77	17	18.1
Condensed matter and materials physics	388	323	65	16.8
Elementary particle physics	143	109	34	23.8
Nuclear physics	107	86	21	19.6
Optics/ optical sciences	132	86	46	34.8
Physics and astronomy	263	195	68	25.9
Physics, general	464	363	101	21.8
Plasma and high-temperature physics	60	49	11	18.3
Theoretical and mathematical physics	132	112	20	15.2
Physics and physical sciences nec	99	69	30	30.3
Psychology	3,941	916	3,025	76.8
Clinical psychology	1,179	239	940	79.7
Clinical child psychology	61	10	51	83.6
Clinical psychology	1,118	229	889	79.5
Counseling and applied psychology	1,315	305	1,010	76.8
Applied behavior analysis	56	10	46	82.1
Counseling psychology	340	84	256	75.3
Educational psychology	194	47	147	75.8
Industrial and organizational psychology	173	67	106	61.3
School psychology	246	34	212	86.2
Counseling and applied psychology nec	306	63	243	79.4
Research and experimental psychology	874	254	620	70.9
Behavioral neuroscience	111	29	82	73.9
Cognitive psychology and psycholinguistics	104	42	62	59.6
Developmental and child psychology	110	12	98	89.1
Experimental psychology	128	37	91	71.1
Social psychology	226	70	156	69.0
Research and experimental psychology nec	195	64	131	67.2
Psychology, other	573	118	455	79.4
Human development	157	22	135	86.0
Psychology, general	347	78	269	77.5
Psychology nec	69	18	51	73.9
Social sciences	4,893	2,287	2,606	53.3
Anthropology	433	136	297	68.6
Anthropology, general	131	51	80	61.1
Cultural anthropology	176	61	115	65.3

Table 3-2. Research doctorate recipients, by detailed field of doctorate and sex: 2025

(Number)

Field of doctorate	Total ^a	Male	Female	% female
Physical and biological anthropology	74	13	61	82.4
Anthropology nec	52	11	41	78.8
Area, ethnic, cultural, gender, and group studies	419	150	269	64.2
American studies	55	19	36	65.5
Area studies	192	89	103	53.6
Ethnic studies	73	22	51	69.9
Area, ethnic, cultural, gender, and group studies nec	99	20	79	79.8
Economics	1,390	879	511	36.8
Agricultural economics	61	34	27	44.3
Applied economics	130	66	64	49.2
Econometrics and quantitative economics	216	144	72	33.3
Economics, general	764	508	256	33.5
Environmental/ natural resource economics	72	36	36	50.0
International and development economics	61	40	21	34.4
Economics nec	86	51	35	40.7
Political science and government	634	358	276	43.5
Political science and government, general	530	300	230	43.4
Political science and government nec	104	58	46	44.2
Public policy analysis	383	144	239	62.4
Education policy analysis	89	24	65	73.0
Public policy analysis, general	102	52	50	49.0
Public policy nec	192	68	124	64.6
Sociology, demography, and population studies	588	202	386	65.6
Sociology, general	512	179	333	65.0
Sociology, demography, and population studies nec	76	23	53	69.7
Social sciences, other	1,046	418	628	60.0
Applied linguistics	75	32	43	57.3
Archeology	79	26	53	67.1
Criminology	120	41	79	65.8
Geography and cartography	189	87	102	54.0
International relations and national security studies	119	68	51	42.9
Linguistics	189	82	107	56.6
Social sciences nec	275	82	193	70.2
Non-science and engineering	11,743	4,664	7,079	60.3
Business	1,350	752	598	44.3
Business administration and management	461	251	210	45.6
Business management and administration	263	142	121	46.0
Organizational leadership	89	39	50	56.2
Business administration and management nec	109	70	39	35.8
Business, other	889	501	388	43.6
Accounting and accounting-related	148	79	69	46.6
Finance and financial management	174	125	49	28.2
Management information systems	83	47	36	43.4
Management sciences	78	41	37	47.4
Marketing	126	69	57	45.2
Organizational behavior studies	76	31	45	59.2
Business nec	204	109	95	46.6
Education	4,048	1,055	2,993	73.9
Education leadership and administration	1,245	358	887	71.2
Educational leadership and administration, general	380	112	268	70.5
Educational leadership and policy	236	61	175	74.2
Higher education and community college administration	449	141	308	68.6
Education leadership and administration nec	180	44	136	75.6

Table 3-2. Research doctorate recipients, by detailed field of doctorate and sex: 2025

(Number)

Field of doctorate	Total ^a	Male	Female	% female
Education research	1,194	314	880	73.7
Curriculum and instruction	396	106	290	73.2
Educational assessment, evaluation, and research methods	213	69	144	67.6
Educational/ instructional technology and media design	191	63	128	67.0
Higher education evaluation and research	52	9	43	82.7
Student counseling and personnel services	270	51	219	81.1
Education research nec	72	16	56	77.8
Teacher education and teaching fields	1,124	268	856	76.2
Adult, continuing, and workforce education and development	56	23	33	58.9
Bilingual, multilingual, and multicultural education	62	16	46	74.2
Early childhood education and teaching	64	6	58	90.6
Language and literacy education	95	18	77	81.1
Mathematics teacher education	62	22	40	64.5
Music teacher education	67	34	33	49.3
Special education and teaching	259	36	223	86.1
STEM educational methods	97	31	66	68.0
Teacher education, science and engineering	72	17	55	76.4
Teacher education, specific levels and methods	154	27	127	82.5
Teacher education, specific subject areas	136	38	98	72.1
Education, other	485	115	370	76.3
Education, general	342	85	257	75.1
Education nec	143	30	113	79.0
Humanities	3,355	1,661	1,694	50.5
English language and literature, letters	984	341	643	65.3
American literature (United States)	114	46	68	59.6
Creative writing	89	32	57	64.0
English language and literature, general	417	148	269	64.5
English literature (British and Commonwealth)	100	31	69	69.0
Rhetoric, composition, and writing studies	179	59	120	67.0
English language and literature nec	85	25	60	70.6
Foreign languages, literatures, and linguistics	542	228	314	57.9
Comparative literature	109	46	63	57.8
Hispanic/ Latin American languages, literatures, and linguistics	94	35	59	62.8
Romance languages, literatures, and linguistics	97	31	66	68.0
Spanish language and literature	81	36	45	55.6
Foreign languages, literatures, and linguistics nec	161	80	81	50.3
History	779	426	353	45.3
American history (United States)	244	127	117	48.0
European history	101	61	40	39.6
History, general	239	133	106	44.4
History, regional focus	130	65	65	50.0
History nec	65	40	25	38.5
Philosophy and religious studies	628	387	241	38.4
Philosophy	413	263	150	36.3
Religion/ religious studies	128	70	58	45.3
Philosophy and religious studies nec	87	54	33	37.9
Humanities, other	422	279	143	33.9
Bible/ biblical studies	85	69	16	18.8
Humanities and humanistic studies	113	44	69	61.1
Theological and ministerial studies	224	166	58	25.9
Visual and performing arts	793	344	449	56.6
Performing arts	494	240	254	51.4
Dance, drama, theatre arts, and stagecraft	73	19	54	74.0

Table 3-2. Research doctorate recipients, by detailed field of doctorate and sex: 2025

(Number)

Field of doctorate	Total ^a	Male	Female	% female
Music performance	135	70	65	48.1
Music theory and composition	75	50	25	33.3
Musicology and ethnomusicology	126	59	67	53.2
Music nec	85	42	43	50.6
Visual arts, media studies, and design	299	104	195	65.2
Art history, criticism, and conservation	187	51	136	72.7
Film, cinema, and media studies	55	29	26	47.3
Visual arts, media studies, and design nec	57	24	33	57.9
Other non-science and engineering	2,197	852	1,345	61.2
Communication and journalism	584	201	383	65.6
Applied communication, advertising, and public relations	82	20	62	75.6
Communication and media studies	135	53	82	60.7
Communication, general	187	61	126	67.4
Mass communication/ media studies	81	25	56	69.1
Communication and journalism nec	99	42	57	57.6
Multidisciplinary/ interdisciplinary studies	349	144	205	58.7
Classical and ancient studies	111	52	59	53.2
Interdisciplinary leadership/ leadership studies	113	45	68	60.2
Multidisciplinary/ interdisciplinary studies nec	125	47	78	62.4
Public administration and social services	532	167	365	68.6
Public administration	102	53	49	48.0
Public administration and policy	96	45	51	53.1
Social work and human services	334	69	265	79.3
Non-science and engineering, other	732	340	392	53.6
Architecture and architectural studies	127	66	61	48.0
City/ urban, community, and regional planning	101	45	56	55.4
Family, consumer, and human sciences	138	36	102	73.9
Homeland security and protective services	139	77	62	44.6
Law/ legal studies and research	73	35	38	52.1
Parks, recreation, leisure, fitness, and sport studies and management	112	59	53	47.3
Other non-science and engineering nec	42	22	20	47.6

nec = not elsewhere classified; STEM = science, technology, engineering, and mathematics.

^a Total includes doctorate recipients who did not report sex.**Note(s):**

Due to rounding, percentages may not sum to 100. The survey data collection for the field of study changed in 2021, which may affect the data comparisons across years. This table uses the new field taxonomy based on a modified version of the 2020 Classification of Instructional Programs (CIP) codes and does not match data that uses the trend field taxonomy. 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.

Table 3-3. Research doctorate recipients, by detailed field of doctorate, citizenship status, ethnicity, and race: 2025

(Number)

Field of doctorate	All doctorate recipients ^a	Temporary visa holders	U.S. citizens and permanent residents								
			Total	Hispanic or Latino	Not Hispanic or Latino						Ethnicity not reported
					American Indian or Alaska Native	Asian	Black or African American	White	More than one race	Other race or race not reported	
All fields	59,015	19,340	36,235	3,781	108	4,230	2,990	22,410	1,396	611	709
Science and engineering	47,272	16,741	27,906	2,897	70	3,668	1,821	17,328	1,140	468	514
Agricultural sciences and natural resources	1,325	518	753	79	2	65	30	532	22	3	20
Agricultural, animal, plant, and veterinary sciences	875	387	463	47	0	38	14	339	9	1	15
Agronomy and crop science	62	33	29	0	0	4	1	22	1	0	1
Animal sciences	189	70	114	12	0	5	2	87	1	1	6
Food science and technology	141	81	52	3	0	10	3	35	1	0	0
Plant sciences	176	76	96	14	0	7	2	68	3	0	2
Soil sciences	108	47	58	9	0	5	0	40	1	0	3
Veterinary biomedical and clinical sciences	94	38	55	6	0	0	1	44	2	0	2
Agricultural, animal, plant, and veterinary sciences nec	105	42	59	3	0	7	5	43	0	0	1
Natural resources and conservation	450	131	290	32	2	27	16	193	13	2	5
Environmental science	137	41	82	8	0	6	10	51	5	1	1
Environmental/ natural resources management and policy	58	16	40	7	2	4	2	24	1	0	0
Forestry	86	34	44	3	0	4	1	31	4	0	1
Natural resources conservation and research	95	25	66	7	0	8	2	45	0	1	3
Natural resources and conservation nec	74	15	58	7	0	5	1	42	3	0	0
Biological and biomedical sciences	9,950	2,313	7,232	783	13	977	335	4,601	314	97	112
Biochemistry, biophysics, and molecular biology	1,521	450	1,012	117	1	145	47	629	43	14	16
Biochemistry	425	132	268	32	1	37	11	165	9	5	8
Biochemistry and biophysics	65	12	48	6	0	4	2	32	4	0	0
Biochemistry and molecular biology	307	89	210	20	0	37	15	127	8	1	2
Biophysics	233	92	135	19	0	22	2	83	7	2	0
Molecular biology	300	56	237	24	0	26	12	153	12	6	4
Biochemistry, biophysics, and molecular biology nec	191	69	114	16	0	19	5	69	3	0	2
Bioinformatics, biostatistics, and computational biology	742	327	398	24	0	110	8	214	21	9	12
Bioinformatics	203	82	119	7	0	33	2	65	7	2	3
Biostatistics	278	155	116	6	0	40	4	59	5	1	1
Computational biology	166	61	101	8	0	22	2	59	4	3	3
Bioinformatics, biostatistics, and computational biology nec	95	29	62	3	0	15	0	31	5	3	5
Biological and biomedical sciences, general	968	217	663	83	1	69	37	416	23	14	20
Biology/ biological sciences, general	533	126	361	47	0	28	18	232	14	9	13
Biomedical sciences, general	435	91	302	36	1	41	19	184	9	5	7
Cell/ cellular biology and anatomy	784	155	608	66	2	79	29	389	22	7	14

Table 3-3. Research doctorate recipients, by detailed field of doctorate, citizenship status, ethnicity, and race: 2025

(Number)

Field of doctorate	All doctorate recipients ^a	Temporary visa holders	U.S. citizens and permanent residents								
			Total	Hispanic or Latino	Not Hispanic or Latino						Ethnicity not reported
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Cell/ cellular and molecular biology	631	128	487	53	2	66	25	308	17	6	10
Developmental biology and embryology	93	15	78	9	0	13	2	48	4	0	2
Cell/ cellular biology and anatomy nec	60	12	43	4	0	0	2	33	1	1	2
Ecology, evolutionary biology, and epidemiology	1,078	185	867	65	2	75	40	614	53	9	9
Ecology	265	30	231	15	0	7	3	194	10	2	0
Ecology and evolutionary biology	242	33	203	20	0	8	5	152	12	2	4
Epidemiology	346	74	261	20	1	44	29	140	20	3	4
Epidemiology and biostatistics	39	12	26	2	0	5	3	14	0	1	1
Evolutionary biology	101	22	78	6	0	7	0	56	8	1	0
Ecology, evolutionary biology, and epidemiology nec	85	14	68	2	1	4	0	58	3	0	0
Genetics and genomics	488	107	358	38	0	54	13	232	15	4	2
Genetics, general	127	29	90	11	0	16	6	53	3	0	1
Genome sciences and genomics	110	29	78	6	0	15	1	48	7	1	0
Human/ medical genetics	86	11	67	7	0	9	0	48	2	1	0
Molecular genetics	69	14	53	7	0	6	6	30	3	1	0
Genetics and genomics nec	96	24	70	7	0	8	0	53	0	1	1
Microbiology and immunology	1,136	190	911	116	2	119	47	574	30	12	11
Immunology	398	83	306	41	1	56	18	168	16	2	4
Microbiology and immunology	276	44	225	28	0	24	10	152	4	5	2
Microbiology, general	267	30	225	29	1	27	8	147	6	4	3
Virology	95	16	77	8	0	7	3	58	1	0	0
Microbiology and immunology nec	100	17	78	10	0	5	8	49	3	1	2
Neurobiology and neurosciences	1,343	246	1,050	132	1	156	39	644	45	20	13
Cognitive neuroscience	111	39	71	6	0	10	0	50	4	1	0
Computational neuroscience	76	24	49	2	0	13	1	28	4	1	0
Neurobiology	110	29	76	12	0	16	3	39	3	2	1
Neuroscience	994	146	811	104	1	107	35	506	33	15	10
Neurobiology and neurosciences nec	52	8	43	8	0	10	0	21	1	1	2
Pharmacology and toxicology	393	76	296	26	1	48	27	180	8	2	4
Pharmacology	193	40	138	15	1	20	9	87	5	0	1
Toxicology	115	17	93	3	0	17	11	57	2	1	2
Pharmacology and toxicology nec	85	19	65	8	0	11	7	36	1	1	1
Physiology, oncology, and cancer biology	845	194	618	67	1	78	33	406	24	4	5
Biomechanics	71	15	55	1	0	2	3	46	3	0	0
Exercise physiology and kinesiology	119	26	92	7	0	2	1	79	1	1	1

Table 3-3. Research doctorate recipients, by detailed field of doctorate, citizenship status, ethnicity, and race: 2025

(Number)

Field of doctorate	All doctorate recipients ^a	Temporary visa holders	U.S. citizens and permanent residents								
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Oncology and cancer biology	362	91	254	26	1	48	11	154	9	2	3
Physiology, general	80	11	63	10	0	9	4	39	1	0	0
Physiology, oncology, and cancer biology nec	213	51	154	23	0	17	14	88	10	1	1
Biological and biomedical sciences, other	652	166	451	49	2	44	15	303	30	2	6
Botany and plant biology	91	14	63	1	0	8	1	47	5	0	1
Entomology	118	24	89	9	0	3	2	69	5	0	1
Plant pathology and phytopathology	100	46	48	7	1	6	1	30	2	1	0
Plant physiology and biology nec	71	23	46	4	0	3	1	32	5	0	1
Zoology and animal biology	103	8	94	10	0	2	1	78	3	0	0
Biological and biomedical sciences nec	169	51	111	18	1	22	9	47	10	1	3
Computer and information sciences	3,002	1,679	1,088	54	0	258	68	610	32	34	32
Computer science	2,027	1,147	709	35	0	171	23	419	20	21	20
Computer science	2,027	1,147	709	35	0	171	23	419	20	21	20
Computer and information sciences, other	975	532	379	19	0	87	45	191	12	13	12
Artificial intelligence	368	226	132	9	0	47	6	58	6	3	3
Computer and information sciences, general	156	94	47	0	0	11	4	28	0	1	3
Computer systems networking and telecommunications	79	53	23	1	0	6	3	11	1	1	0
Cybersecurity	66	29	34	3	0	4	9	15	0	2	1
Informatics and information technology	115	47	48	3	0	8	6	26	3	1	1
Information sciences/ studies	131	49	73	3	0	10	13	38	1	5	3
Computer and information sciences nec	60	34	22	0	0	1	4	15	1	0	1
Engineering	10,876	5,416	4,816	401	11	865	229	2,938	175	81	116
Aerospace, aeronautical, astronautical, and space engineering	628	228	351	29	2	46	9	234	11	8	12
Aerospace, aeronautical, astronautical, and space engineering, general	230	78	123	10	0	12	2	83	5	3	8
Mechanical and aerospace engineering	224	97	124	10	0	26	3	78	2	2	3
Aerospace, aeronautical, astronautical, and space engineering nec	174	53	104	9	2	8	4	73	4	3	1
Biological, biomedical, and biosystems engineering	1,390	423	909	80	1	186	43	527	35	19	18
Bioengineering and biomedical engineering	1,301	380	865	75	1	179	41	499	33	19	18
Biological/ biosystems engineering and biomedical technology	89	43	44	5	0	7	2	28	2	0	0
Chemical and petroleum engineering	1,285	585	625	59	3	115	31	371	24	9	13
Chemical and biomolecular engineering	247	99	144	16	0	36	9	78	4	1	0
Chemical engineering	870	389	419	41	3	67	11	261	17	7	12

Table 3-3. Research doctorate recipients, by detailed field of doctorate, citizenship status, ethnicity, and race: 2025

(Number)

Field of doctorate	All doctorate recipients ^a	Temporary visa holders	U.S. citizens and permanent residents								
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Petroleum engineering	108	66	36	0	0	8	10	15	1	1	1
Chemical and petroleum engineering nec	60	31	26	2	0	4	1	17	2	0	0
Civil, environmental, and transportation engineering	1,276	736	460	33	3	70	30	295	14	6	9
Civil engineering	323	209	83	7	0	12	7	49	2	1	5
Civil and environmental engineering	514	272	215	13	1	33	15	141	7	3	2
Environmental/ environmental health engineering	87	37	44	1	0	5	0	36	1	1	0
Geotechnical and geoenvironmental engineering	67	36	31	4	1	5	1	18	2	0	0
Structural engineering	103	65	37	4	1	3	1	23	2	1	2
Transportation and highway engineering	81	64	17	2	0	5	3	7	0	0	0
Civil, environmental, and transportation engineering nec	101	53	33	2	0	7	3	21	0	0	0
Electrical and computer engineering	2,111	1,290	669	47	0	160	29	389	18	13	13
Computer engineering	294	197	85	6	0	23	7	43	3	2	1
Electrical and computer engineering	1,384	845	476	34	0	110	19	287	12	7	7
Electrical and electronics engineering	373	208	89	7	0	25	2	45	2	4	4
Electrical and computer engineering nec	60	40	19	0	0	2	1	14	1	0	1
Engineering technologies	374	252	112	6	0	23	5	67	7	1	3
Electrical and electronic engineering technologies	63	47	16	0	0	6	0	9	1	0	0
Electromechanical technologies	106	69	34	1	0	8	1	22	2	0	0
Environmental control technologies	65	43	21	2	0	3	1	10	1	1	3
Engineering technologies nec	140	93	41	3	0	6	3	26	3	0	0
Industrial engineering and operations research	666	374	262	19	0	45	29	150	10	3	6
Industrial engineering	190	114	59	7	0	9	7	32	1	1	2
Industrial and systems engineering	147	80	61	3	0	8	8	37	3	0	2
Operations research	182	123	55	3	0	12	6	30	2	1	1
Systems and manufacturing engineering	147	57	87	6	0	16	8	51	4	1	1
Materials and mining engineering	867	415	403	44	0	68	14	243	20	4	10
Materials engineering	73	37	35	4	0	9	1	20	0	1	0
Materials science and engineering	743	354	347	37	0	58	13	207	20	3	9
Materials and mining engineering nec	51	24	21	3	0	1	0	16	0	0	1
Mechanical engineering	1,564	792	702	59	1	114	19	455	21	14	19
Mechanical engineering, general	1,431	718	649	56	1	101	18	424	17	14	18
Mechanical engineering nec	133	74	53	3	0	13	1	31	4	0	1
Engineering, other	715	321	323	25	1	38	20	207	15	4	13
Agricultural and natural resources engineering	85	53	29	3	0	7	1	16	1	0	1
Engineering mechanics, physics, and science	129	68	45	2	0	9	1	29	1	0	3

Table 3-3. Research doctorate recipients, by detailed field of doctorate, citizenship status, ethnicity, and race: 2025

(Number)

Field of doctorate	All doctorate recipients ^a	Temporary visa holders	U.S. citizens and permanent residents								
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Nanotechnology, nanoscience, and nanoengineering	117	58	54	5	0	7	8	26	2	1	5
Nuclear engineering	137	42	81	8	0	3	3	60	5	2	0
Engineering nec	247	100	114	7	1	12	7	76	6	1	4
Geosciences, atmospheric, and ocean sciences	1,192	305	833	91	5	60	25	592	43	7	10
Geological and earth sciences	641	187	420	54	3	32	15	286	19	5	6
Geochemistry	55	12	42	2	0	3	0	35	1	1	0
Geology	80	16	64	7	0	0	4	46	1	3	3
Geology/ earth science, general	135	47	70	14	0	6	3	41	3	1	2
Geophysics and seismology	85	42	37	4	0	3	0	26	4	0	0
Hydrology and water resources science	69	30	38	4	0	5	2	27	0	0	0
Geological and earth sciences nec	217	40	169	23	3	15	6	111	10	0	1
Ocean, marine, and atmospheric sciences	551	118	413	37	2	28	10	306	24	2	4
Atmospheric sciences and meteorology, general	110	33	72	8	0	3	2	55	3	0	1
Atmospheric sciences and meteorology nec	87	12	71	1	1	7	0	57	4	1	0
Climatology, atmospheric chemistry/ physics	72	23	49	7	0	6	4	29	2	1	0
Marine biology and biological oceanography	108	15	90	11	1	4	2	65	6	0	1
Marine sciences	81	12	64	6	0	4	1	51	2	0	0
Oceanography, chemical/ physical	93	23	67	4	0	4	1	49	7	0	2
Health sciences	2,911	594	2,115	215	7	261	303	1,191	67	37	34
Nursing and nursing science	659	76	531	38	1	47	82	322	23	11	7
Nursing education	97	5	92	4	0	7	11	61	6	3	0
Nursing science	396	48	336	23	1	29	50	206	16	7	4
Nursing specialties and practice	166	23	103	11	0	11	21	55	1	1	3
Pharmacy and pharmaceutical sciences	418	186	205	22	0	46	11	117	3	5	1
Medicinal and pharmaceutical chemistry	69	26	39	4	0	7	1	26	0	1	0
Pharmaceutical sciences	258	118	128	11	0	34	8	71	2	2	0
Pharmacy, pharmaceutical sciences, and administration nec	91	42	38	7	0	5	2	20	1	2	1
Public health	796	150	606	66	5	85	130	281	19	11	9
Environmental health	77	21	55	4	0	10	4	34	2	1	0
Health services research	95	24	70	5	0	18	10	29	3	2	3
Health/ medical physics	64	15	48	4	0	3	3	33	3	2	0
Public health education and promotion	105	15	88	4	1	7	25	45	5	1	0
Public health, general	220	35	168	29	1	22	45	64	2	3	2
Public health nec	235	40	177	20	3	25	43	76	4	2	4

Table 3-3. Research doctorate recipients, by detailed field of doctorate, citizenship status, ethnicity, and race: 2025

(Number)

Field of doctorate	All doctorate recipients ^a	Temporary visa holders	U.S. citizens and permanent residents								
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Health sciences, other	1,038	182	773	89	1	83	80	471	22	10	17
Communication disorders sciences	112	13	89	12	0	5	4	65	1	1	1
Exercise science and kinesiology	105	15	72	4	0	5	6	53	1	1	2
Health sciences, general	76	6	61	8	0	7	6	39	0	0	1
Marriage and family therapy/ counseling	83	8	67	10	0	6	17	29	4	1	0
Medical clinical sciences	70	9	58	9	0	7	6	31	1	0	4
Medical, biomedical, and health informatics	96	34	58	6	0	19	3	26	0	3	1
Mental health, counseling, and therapy services and sciences	104	6	91	14	1	7	15	49	1	0	4
Rehabilitation and therapeutic sciences	172	46	120	13	0	11	5	83	5	1	2
Health sciences nec	220	45	157	13	0	16	18	96	9	3	2
Mathematics and statistics	2,069	1,016	944	92	1	150	34	587	45	21	14
Applied mathematics	444	214	218	15	0	32	11	142	14	4	0
Applied mathematics, general	251	104	136	7	0	19	5	92	10	3	0
Computational and applied mathematics	141	75	65	6	0	10	6	39	3	1	0
Applied mathematics nec	52	35	17	2	0	3	0	11	1	0	0
Mathematics	967	385	522	59	1	66	14	335	26	12	9
Algebra and number theory	70	37	32	8	0	5	2	16	1	0	0
Mathematics, general	771	286	431	46	1	57	12	274	22	11	8
Mathematics nec	126	62	59	5	0	4	0	45	3	1	1
Statistics	658	417	204	18	0	52	9	110	5	5	5
Applied statistics, general	51	35	13	0	0	5	0	6	1	1	0
Mathematics and statistics	91	53	33	1	0	3	1	22	2	1	3
Statistics	471	304	141	14	0	38	8	75	2	3	1
Statistics nec	45	25	17	3	0	6	0	7	0	0	1
Multidisciplinary/ interdisciplinary sciences	1,781	831	846	65	2	149	55	509	27	23	16
Interdisciplinary computer sciences	673	370	272	17	0	71	6	153	12	10	3
Computer science and engineering	253	154	79	4	0	23	0	42	6	3	1
Electrical engineering and computer science	203	116	86	6	0	24	2	47	3	3	1
Human-computer interaction	105	45	51	2	0	15	3	28	1	1	1
Interdisciplinary computer sciences nec	112	55	56	5	0	9	1	36	2	3	0
Multidisciplinary/ interdisciplinary sciences, other	1,108	461	574	48	2	78	49	356	15	13	13
Behavioral and cognitive sciences	79	23	53	4	0	8	3	37	0	1	0
Computational science and engineering	94	42	40	5	0	8	3	22	0	1	1
Data mining and machine learning	231	151	73	4	0	22	5	39	1	2	0

Table 3-3. Research doctorate recipients, by detailed field of doctorate, citizenship status, ethnicity, and race: 2025

(Number)

Field of doctorate	All doctorate recipients ^a	Temporary visa holders	U.S. citizens and permanent residents								
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Data science and data analytics	116	59	47	2	0	9	4	27	3	1	1
History/ philosophy of science, technology, and society	72	22	49	5	1	5	3	33	0	2	0
Nutrition sciences	159	50	98	11	0	14	5	59	5	2	2
Polymer science and engineering	49	28	21	1	0	5	1	13	0	0	1
Multidisciplinary/ interdisciplinary sciences nec	308	86	193	16	1	7	25	126	6	4	8
Physical sciences	5,332	1,985	3,109	326	5	333	122	2,094	144	39	46
Astronomy and astrophysics	337	105	226	25	0	23	12	153	11	1	1
Astronomy	87	17	67	9	0	9	3	43	3	0	0
Astrophysics	145	53	91	9	0	9	5	64	3	0	1
Astronomy and astrophysics nec	105	35	68	7	0	5	4	46	5	1	0
Chemistry	2,627	875	1,628	185	3	179	63	1,095	65	15	23
Analytical chemistry	322	112	210	20	1	20	16	139	11	2	1
Chemical biology	197	53	142	19	0	26	2	85	8	2	0
Chemistry, general	615	187	319	32	0	26	13	218	9	4	17
Inorganic chemistry	258	80	177	23	0	16	6	120	10	0	2
Organic chemistry	536	187	347	41	0	52	11	233	8	0	2
Physical chemistry	262	90	171	12	1	13	7	125	9	4	0
Polymer chemistry	86	29	55	7	0	4	4	38	2	0	0
Theoretical and computational chemistry	194	91	100	11	0	11	0	72	5	1	0
Chemistry nec	157	46	107	20	1	11	4	65	3	2	1
Materials sciences	326	154	165	15	0	23	12	105	8	1	1
Materials science	156	80	71	9	0	7	7	44	2	1	1
Materials chemistry and materials sciences nec	170	74	94	6	0	16	5	61	6	0	0
Physics	2,042	851	1,090	101	2	108	35	741	60	22	21
Applied physics	160	78	71	5	0	9	4	49	3	1	0
Atomic/ molecular physics	94	41	51	2	0	9	0	31	4	4	1
Condensed matter and materials physics	388	204	177	9	0	27	6	127	7	1	0
Elementary particle physics	143	54	87	13	1	10	0	58	4	0	1
Nuclear physics	107	29	77	12	0	2	4	52	6	0	1
Optics/ optical sciences	132	75	54	5	0	7	2	33	4	2	1
Physics and astronomy	263	95	161	15	0	13	6	114	8	3	2
Physics, general	464	161	240	26	1	18	6	158	10	9	12
Plasma and high-temperature physics	60	13	46	3	0	1	0	37	4	1	0
Theoretical and mathematical physics	132	67	64	7	0	8	2	41	5	0	1
Physics and physical sciences nec	99	34	62	4	0	4	5	41	5	1	2

Table 3-3. Research doctorate recipients, by detailed field of doctorate, citizenship status, ethnicity, and race: 2025

(Number)

Field of doctorate	All doctorate recipients ^a	Temporary visa holders	U.S. citizens and permanent residents								
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Psychology	3,941	397	3,191	462	9	242	291	1,942	125	61	59
Clinical psychology	1,179	51	1,043	144	2	76	69	666	45	22	19
Clinical child psychology	61	2	59	8	0	3	3	44	0	0	1
Clinical psychology	1,118	49	984	136	2	73	66	622	45	22	18
Counseling and applied psychology	1,315	111	1,093	157	3	84	133	646	37	17	16
Applied behavior analysis	56	4	45	5	0	3	2	30	5	0	0
Counseling psychology	340	19	294	51	3	27	37	164	7	2	3
Educational psychology	194	38	147	10	0	13	28	82	6	4	4
Industrial and organizational psychology	173	15	150	30	0	12	18	88	0	1	1
School psychology	246	10	223	29	0	18	19	145	7	3	2
Counseling and applied psychology nec	306	25	234	32	0	11	29	137	12	7	6
Research and experimental psychology	874	175	671	99	3	61	46	410	26	17	9
Behavioral neuroscience	111	12	94	19	0	4	8	59	2	2	0
Cognitive psychology and psycholinguistics	104	28	74	13	0	13	1	42	4	1	0
Developmental and child psychology	110	23	84	8	0	8	2	60	1	3	2
Experimental psychology	128	35	93	8	2	2	1	71	4	0	5
Social psychology	226	29	193	28	0	23	18	106	12	6	0
Research and experimental psychology nec	195	48	133	23	1	11	16	72	3	5	2
Psychology, other	573	60	384	62	1	21	43	220	17	5	15
Human development	157	23	119	18	0	9	15	69	6	0	2
Psychology, general	347	31	206	39	1	11	20	114	8	2	11
Psychology nec	69	6	59	5	0	1	8	37	3	3	2
Social sciences	4,893	1,687	2,979	329	15	308	329	1,732	146	65	55
Anthropology	433	92	312	42	2	26	22	185	21	11	3
Anthropology, general	131	25	84	11	1	5	6	52	5	1	3
Cultural anthropology	176	52	124	16	0	12	10	72	8	6	0
Physical and biological anthropology	74	7	64	10	0	5	4	35	6	4	0
Anthropology nec	52	8	40	5	1	4	2	26	2	0	0
Area, ethnic, cultural, gender, and group studies	419	109	292	60	3	24	41	134	16	6	8
American studies	55	3	47	2	1	3	7	31	3	0	0
Area studies	192	81	104	17	0	8	5	63	6	4	1
Ethnic studies	73	8	62	26	2	6	18	3	4	1	2
Area, ethnic, cultural, gender, and group studies nec	99	17	79	15	0	7	11	37	3	1	5
Economics	1,390	817	504	36	1	99	23	303	22	8	12
Agricultural economics	61	38	21	2	0	1	0	18	0	0	0

Table 3-3. Research doctorate recipients, by detailed field of doctorate, citizenship status, ethnicity, and race: 2025

(Number)

Field of doctorate	All doctorate recipients ^a	Temporary visa holders	U.S. citizens and permanent residents								
			Total	Hispanic or Latino	Not Hispanic or Latino						Ethnicity not reported
					American Indian or Alaska Native	Asian	Black or African American	White	More than one race	Other race or race not reported	
Applied economics	130	79	51	1	0	16	4	22	4	2	2
Econometrics and quantitative economics	216	182	26	1	0	6	2	11	2	0	4
Economics, general	764	384	324	23	0	64	8	206	12	6	5
Environmental/ natural resource economics	72	35	35	3	1	5	0	24	1	0	1
International and development economics	61	39	21	2	0	2	4	12	1	0	0
Economics nec	86	60	26	4	0	5	5	10	2	0	0
Political science and government	634	200	404	40	0	38	28	265	21	7	5
Political science and government, general	530	175	326	31	0	34	23	211	17	6	4
Political science and government nec	104	25	78	9	0	4	5	54	4	1	1
Public policy analysis	383	63	305	21	1	29	87	138	13	8	8
Education policy analysis	89	8	79	5	0	9	17	41	4	2	1
Public policy analysis, general	102	23	74	5	0	9	21	36	0	1	2
Public policy nec	192	32	152	11	1	11	49	61	9	5	5
Sociology, demography, and population studies	588	108	455	64	2	34	54	263	22	8	8
Sociology, general	512	90	400	57	1	30	46	232	20	8	6
Sociology, demography, and population studies nec	76	18	55	7	1	4	8	31	2	0	2
Social sciences, other	1,046	298	707	66	6	58	74	444	31	17	11
Applied linguistics	75	31	41	3	0	6	2	26	0	3	1
Archeology	79	9	68	10	0	1	0	52	3	1	1
Criminology	120	8	105	11	1	2	18	67	4	1	1
Geography and cartography	189	63	118	10	0	7	7	84	5	2	3
International relations and national security studies	119	33	78	6	0	9	5	52	1	2	3
Linguistics	189	81	102	11	3	8	4	64	9	3	0
Social sciences nec	275	73	195	15	2	25	38	99	9	5	2
Non-science and engineering	11,743	2,599	8,329	884	38	562	1,169	5,082	256	143	195
Business	1,350	634	588	43	2	87	85	316	14	17	24
Business administration and management	461	179	191	15	1	24	34	100	4	4	9
Business management and administration	263	109	96	7	0	12	15	49	3	3	7
Organizational leadership	89	10	58	6	1	8	15	26	1	0	1
Business administration and management nec	109	60	37	2	0	4	4	25	0	1	1
Business, other	889	455	397	28	1	63	51	216	10	13	15
Accounting and accounting-related	148	68	76	5	0	9	5	50	2	0	5
Finance and financial management	174	104	58	2	0	10	5	39	1	0	1
Management information systems	83	50	32	3	0	8	8	10	0	1	2
Management sciences	78	42	33	2	0	4	6	14	0	7	0

Table 3-3. Research doctorate recipients, by detailed field of doctorate, citizenship status, ethnicity, and race: 2025

(Number)

Field of doctorate	All doctorate recipients ^a	Temporary visa holders	U.S. citizens and permanent residents								
			Total	Hispanic or Latino	Not Hispanic or Latino						Ethnicity not reported
					American Indian or Alaska Native	Asian	Black or African American	White	More than one race	Other race or race not reported	
Marketing	126	73	47	3	0	10	5	24	3	1	1
Organizational behavior studies	76	21	53	6	0	8	3	32	3	1	0
Business nec	204	97	98	7	1	14	19	47	1	3	6
Education	4,048	505	3,286	374	19	183	656	1,828	110	40	76
Education leadership and administration	1,245	92	1,095	118	9	51	292	557	30	9	29
Educational leadership and administration, general	380	36	326	29	3	17	89	170	7	0	11
Educational leadership and policy	236	18	207	28	1	5	45	110	5	3	10
Higher education and community college administration	449	27	405	44	4	21	113	201	11	4	7
Education leadership and administration nec	180	11	157	17	1	8	45	76	7	2	1
Education research	1,194	193	929	91	4	73	179	507	36	13	26
Curriculum and instruction	396	56	312	30	2	20	57	172	14	4	13
Educational assessment, evaluation, and research methods	213	55	156	13	0	21	15	96	7	2	2
Educational/ instructional technology and media design	191	45	137	11	1	12	23	76	6	2	6
Higher education evaluation and research	52	4	48	12	0	4	6	24	0	1	1
Student counseling and personnel services	270	19	225	21	1	10	75	107	7	2	2
Education research nec	72	14	51	4	0	6	3	32	2	2	2
Teacher education and teaching fields	1,124	172	898	107	2	37	120	575	29	14	14
Adult, continuing, and workforce education and development	56	6	46	4	1	1	10	28	1	1	0
Bilingual, multilingual, and multicultural education	62	12	50	16	0	5	5	19	5	0	0
Early childhood education and teaching	64	20	42	5	0	4	7	24	0	1	1
Language and literacy education	95	26	65	5	0	2	6	47	1	1	3
Mathematics teacher education	62	11	48	4	0	2	7	33	1	1	0
Music teacher education	67	5	58	8	0	2	5	36	4	2	1
Special education and teaching	259	31	210	15	1	10	23	150	3	3	5
STEM educational methods	97	12	80	11	0	4	14	45	3	2	1
Teacher education, science and engineering	72	9	62	5	0	1	8	47	1	0	0
Teacher education, specific levels and methods	154	13	134	21	0	3	20	79	7	2	2
Teacher education, specific subject areas	136	27	103	13	0	3	15	67	3	1	1
Education, other	485	48	364	58	4	22	65	189	15	4	7
Education, general	342	34	248	41	1	14	47	125	12	2	6
Education nec	143	14	116	17	3	8	18	64	3	2	1
Humanities	3,355	677	2,455	293	10	134	134	1,713	69	51	51
English language and literature, letters	984	115	811	76	2	30	49	595	24	18	17
American literature (United States)	114	13	100	11	0	4	12	66	4	2	1

Table 3-3. Research doctorate recipients, by detailed field of doctorate, citizenship status, ethnicity, and race: 2025

(Number)

Field of doctorate	All doctorate recipients ^a	Temporary visa holders	U.S. citizens and permanent residents								
			Total	Hispanic or Latino	Not Hispanic or Latino						Ethnicity not reported
					American Indian or Alaska Native	Asian	Black or African American	White	More than one race	Other race or race not reported	
Creative writing	89	11	77	8	0	1	5	53	5	1	4
English language and literature, general	417	48	332	28	0	18	17	245	10	9	5
English literature (British and Commonwealth)	100	12	88	3	0	2	1	74	3	3	2
Rhetoric, composition, and writing studies	179	22	153	14	1	4	10	116	2	3	3
English language and literature nec	85	9	61	12	1	1	4	41	0	0	2
Foreign languages, literatures, and linguistics	542	222	285	84	1	18	5	160	6	5	6
Comparative literature	109	44	62	13	0	3	1	41	2	1	1
Hispanic/ Latin American languages, literatures, and linguistics	94	43	48	32	0	0	0	13	1	1	1
Romance languages, literatures, and linguistics	97	35	52	8	1	1	4	34	1	1	2
Spanish language and literature	81	33	38	28	0	1	0	9	0	0	0
Foreign languages, literatures, and linguistics nec	161	67	85	3	0	13	0	63	2	2	2
History	779	138	610	65	3	30	42	422	26	12	10
American history (United States)	244	13	229	13	1	6	21	174	10	3	1
European history	101	20	81	7	1	4	1	62	5	0	1
History, general	239	49	162	25	1	6	10	105	6	4	5
History, regional focus	130	52	77	12	0	11	7	38	4	4	1
History nec	65	4	61	8	0	3	3	43	1	1	2
Philosophy and religious studies	628	121	456	36	1	36	22	331	11	10	9
Philosophy	413	92	283	30	1	16	10	208	7	5	6
Religion/ religious studies	128	19	100	2	0	13	8	72	3	1	1
Philosophy and religious studies nec	87	10	73	4	0	7	4	51	1	4	2
Humanities, other	422	81	293	32	3	20	16	205	2	6	9
Bible/ biblical studies	85	11	62	6	1	4	1	48	0	2	0
Humanities and humanistic studies	113	33	67	7	2	4	9	42	1	1	1
Theological and ministerial studies	224	37	164	19	0	12	6	115	1	3	8
Visual and performing arts	793	182	558	55	2	45	41	371	18	8	18
Performing arts	494	109	342	31	1	24	25	234	11	5	11
Dance, drama, theatre arts, and stagecraft	73	11	55	3	1	3	11	31	4	1	1
Music performance	135	35	82	8	0	8	3	60	1	0	2
Music theory and composition	75	17	53	3	0	5	1	40	1	1	2
Musicology and ethnomusicology	126	27	99	10	0	4	7	69	5	1	3
Music nec	85	19	53	7	0	4	3	34	0	2	3
Visual arts, media studies, and design	299	73	216	24	1	21	16	137	7	3	7
Art history, criticism, and conservation	187	42	137	12	0	7	11	100	4	0	3

Table 3-3. Research doctorate recipients, by detailed field of doctorate, citizenship status, ethnicity, and race: 2025

(Number)

Field of doctorate	All doctorate recipients ^a	Temporary visa holders	U.S. citizens and permanent residents								
			Total	Hispanic or Latino	Not Hispanic or Latino						Ethnicity not reported
					American Indian or Alaska Native	Asian	Black or African American	White	More than one race	Other race or race not reported	
Film, cinema, and media studies	55	12	42	7	0	5	3	22	3	2	0
Visual arts, media studies, and design nec	57	19	37	5	1	9	2	15	0	1	4
Other non-science and engineering	2,197	601	1,442	119	5	113	253	854	45	27	26
Communication and journalism	584	168	383	28	0	37	40	257	10	6	5
Applied communication, advertising, and public relations	82	33	47	1	0	6	7	30	1	2	0
Communication and media studies	135	29	104	7	0	13	15	66	0	1	2
Communication, general	187	35	132	13	0	7	9	94	7	0	2
Mass communication/ media studies	81	29	49	2	0	6	3	33	1	3	1
Communication and journalism nec	99	42	51	5	0	5	6	34	1	0	0
Multidisciplinary/ interdisciplinary studies	349	73	235	21	0	15	25	157	9	2	6
Classical and ancient studies	111	17	83	7	0	2	4	65	3	0	2
Interdisciplinary leadership/ leadership studies	113	10	83	4	0	4	14	53	4	2	2
Multidisciplinary/ interdisciplinary studies nec	125	46	69	10	0	9	7	39	2	0	2
Public administration and social services	532	90	407	39	2	30	108	196	12	12	8
Public administration	102	36	60	4	0	5	8	37	4	1	1
Public administration and policy	96	16	79	1	0	4	18	52	0	4	0
Social work and human services	334	38	268	34	2	21	82	107	8	7	7
Non-science and engineering, other	732	270	417	31	3	31	80	244	14	7	7
Architecture and architectural studies	127	74	49	3	0	10	1	33	1	0	1
City/ urban, community, and regional planning	101	52	48	5	0	4	10	25	1	3	0
Family, consumer, and human sciences	138	41	93	6	2	7	20	45	7	2	4
Homeland security and protective services	139	26	94	8	0	3	28	54	0	1	0
Law/ legal studies and research	73	42	22	2	0	2	7	8	2	0	1
Parks, recreation, leisure, fitness, and sport studies and management	112	27	83	5	1	4	10	58	3	1	1
Other non-science and engineering nec	42	8	28	2	0	1	4	21	0	0	0

nec = not elsewhere classified; STEM = science, technology, engineering, and mathematics.

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

Note(s):
Hispanic or Latino may be of any race; race categories exclude Hispanic origin. The survey data collection for the field of study changed in 2021, which may affect the data comparisons across years. This table uses the new field taxonomy based on a modified version of the 2020 Classification of Instructional Programs (CIP) codes and does not match data that uses the trend field taxonomy. 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.

Table 3-4. U.S. citizen and permanent resident research doctorate recipients, by major field of doctorate, ethnicity, and race: 2025

(Percent)

Field of doctorate	All U.S. citizens and permanent residents (number)	Total	U.S. citizens and permanent residents							
			Hispanic or Latino	Not Hispanic or Latino						Ethnicity not reported
				American Indian or Alaska Native	Asian	Black or African American	White	More than one race	Other race or race not reported	
All fields	36,235	100.0	10.4	0.3	11.7	8.3	61.8	3.9	1.7	2.0
Science and engineering	27,906	100.0	10.4	0.3	13.1	6.5	62.1	4.1	1.7	1.8
Agricultural sciences and natural resources	753	100.0	10.5	0.3	8.6	4.0	70.7	2.9	0.4	2.7
Agricultural, animal, plant, and veterinary sciences	463	100.0	10.2	0.0	8.2	3.0	73.2	1.9	0.2	3.2
Natural resources and conservation	290	100.0	11.0	0.7	9.3	5.5	66.6	4.5	0.7	1.7
Biological and biomedical sciences	7,232	100.0	10.8	0.2	13.5	4.6	63.6	4.3	1.3	1.5
Biochemistry, biophysics, and molecular biology	1,012	100.0	11.6	0.1	14.3	4.6	62.2	4.2	1.4	1.6
Bioinformatics, biostatistics, and computational biology	398	100.0	6.0	0.0	27.6	2.0	53.8	5.3	2.3	3.0
Biological and biomedical sciences, general	663	100.0	12.5	0.2	10.4	5.6	62.7	3.5	2.1	3.0
Cell/ cellular biology and anatomy	608	100.0	10.9	0.3	13.0	4.8	64.0	3.6	1.2	2.3
Ecology, evolutionary biology, and epidemiology	867	100.0	7.5	0.2	8.7	4.6	70.8	6.1	1.0	1.0
Genetics and genomics	358	100.0	10.6	0.0	15.1	3.6	64.8	4.2	1.1	0.6
Microbiology and immunology	911	100.0	12.7	0.2	13.1	5.2	63.0	3.3	1.3	1.2
Neurobiology and neurosciences	1,050	100.0	12.6	0.1	14.9	3.7	61.3	4.3	1.9	1.2
Pharmacology and toxicology	296	100.0	8.8	0.3	16.2	9.1	60.8	2.7	0.7	1.4
Physiology, oncology, and cancer biology	618	100.0	10.8	0.2	12.6	5.3	65.7	3.9	0.6	0.8
Biological and biomedical sciences, other	451	100.0	10.9	0.4	9.8	3.3	67.2	6.7	0.4	1.3
Computer and information sciences	1,088	100.0	5.0	0.0	23.7	6.3	56.1	2.9	3.1	2.9
Computer science	709	100.0	4.9	0.0	24.1	3.2	59.1	2.8	3.0	2.8
Computer and information sciences, other	379	100.0	5.0	0.0	23.0	11.9	50.4	3.2	3.4	3.2
Engineering	4,816	100.0	8.3	0.2	18.0	4.8	61.0	3.6	1.7	2.4
Aerospace, aeronautical, astronautical, and space engineering	351	100.0	8.3	0.6	13.1	2.6	66.7	3.1	2.3	3.4
Biological, biomedical, and biosystems engineering	909	100.0	8.8	0.1	20.5	4.7	58.0	3.9	2.1	2.0
Chemical and petroleum engineering	625	100.0	9.4	0.5	18.4	5.0	59.4	3.8	1.4	2.1
Civil, environmental, and transportation engineering	460	100.0	7.2	0.7	15.2	6.5	64.1	3.0	1.3	2.0
Electrical and computer engineering	669	100.0	7.0	0.0	23.9	4.3	58.1	2.7	1.9	1.9
Engineering technologies	112	100.0	5.4	0.0	20.5	4.5	59.8	6.3	0.9	2.7
Industrial engineering and operations research	262	100.0	7.3	0.0	17.2	11.1	57.3	3.8	1.1	2.3
Materials and mining engineering	403	100.0	10.9	0.0	16.9	3.5	60.3	5.0	1.0	2.5
Mechanical engineering	702	100.0	8.4	0.1	16.2	2.7	64.8	3.0	2.0	2.7
Engineering, other	323	100.0	7.7	0.3	11.8	6.2	64.1	4.6	1.2	4.0
Geosciences, atmospheric, and ocean sciences	833	100.0	10.9	0.6	7.2	3.0	71.1	5.2	0.8	1.2
Geological and earth sciences	420	100.0	12.9	0.7	7.6	3.6	68.1	4.5	1.2	1.4
Ocean, marine, and atmospheric sciences	413	100.0	9.0	0.5	6.8	2.4	74.1	5.8	0.5	1.0

Table 3-4. U.S. citizen and permanent resident research doctorate recipients, by major field of doctorate, ethnicity, and race: 2025

(Percent)

Field of doctorate	All U.S. citizens and permanent residents (number)	Total	U.S. citizens and permanent residents							
			Hispanic or Latino	Not Hispanic or Latino						Ethnicity not reported
				American Indian or Alaska Native	Asian	Black or African American	White	More than one race	Other race or race not reported	
Health sciences	2,115	100.0	10.2	0.3	12.3	14.3	56.3	3.2	1.7	1.6
Nursing and nursing science	531	100.0	7.2	0.2	8.9	15.4	60.6	4.3	2.1	1.3
Pharmacy and pharmaceutical sciences	205	100.0	10.7	0.0	22.4	5.4	57.1	1.5	2.4	0.5
Public health	606	100.0	10.9	0.8	14.0	21.5	46.4	3.1	1.8	1.5
Health sciences, other	773	100.0	11.5	0.1	10.7	10.3	60.9	2.8	1.3	2.2
Mathematics and statistics	944	100.0	9.7	0.1	15.9	3.6	62.2	4.8	2.2	1.5
Applied mathematics	218	100.0	6.9	0.0	14.7	5.0	65.1	6.4	1.8	0.0
Mathematics	522	100.0	11.3	0.2	12.6	2.7	64.2	5.0	2.3	1.7
Statistics	204	100.0	8.8	0.0	25.5	4.4	53.9	2.5	2.5	2.5
Multidisciplinary/ interdisciplinary sciences	846	100.0	7.7	0.2	17.6	6.5	60.2	3.2	2.7	1.9
Interdisciplinary computer sciences	272	100.0	6.3	0.0	26.1	2.2	56.3	4.4	3.7	1.1
Multidisciplinary/ interdisciplinary sciences, other	574	100.0	8.4	0.3	13.6	8.5	62.0	2.6	2.3	2.3
Physical sciences	3,109	100.0	10.5	0.2	10.7	3.9	67.4	4.6	1.3	1.5
Astronomy and astrophysics	226	100.0	11.1	0.0	10.2	5.3	67.7	4.9	0.4	0.4
Chemistry	1,628	100.0	11.4	0.2	11.0	3.9	67.3	4.0	0.9	1.4
Materials sciences	165	100.0	9.1	0.0	13.9	7.3	63.6	4.8	0.6	0.6
Physics	1,090	100.0	9.3	0.2	9.9	3.2	68.0	5.5	2.0	1.9
Psychology	3,191	100.0	14.5	0.3	7.6	9.1	60.9	3.9	1.9	1.8
Clinical psychology	1,043	100.0	13.8	0.2	7.3	6.6	63.9	4.3	2.1	1.8
Counseling and applied psychology	1,093	100.0	14.4	0.3	7.7	12.2	59.1	3.4	1.6	1.5
Research and experimental psychology	671	100.0	14.8	0.4	9.1	6.9	61.1	3.9	2.5	1.3
Psychology, other	384	100.0	16.1	0.3	5.5	11.2	57.3	4.4	1.3	3.9
Social sciences	2,979	100.0	11.0	0.5	10.3	11.0	58.1	4.9	2.2	1.8
Anthropology	312	100.0	13.5	0.6	8.3	7.1	59.3	6.7	3.5	1.0
Area, ethnic, cultural, gender, and group studies	292	100.0	20.5	1.0	8.2	14.0	45.9	5.5	2.1	2.7
Economics	504	100.0	7.1	0.2	19.6	4.6	60.1	4.4	1.6	2.4
Political science and government	404	100.0	9.9	0.0	9.4	6.9	65.6	5.2	1.7	1.2
Public policy analysis	305	100.0	6.9	0.3	9.5	28.5	45.2	4.3	2.6	2.6
Sociology, demography, and population studies	455	100.0	14.1	0.4	7.5	11.9	57.8	4.8	1.8	1.8
Social sciences, other	707	100.0	9.3	0.8	8.2	10.5	62.8	4.4	2.4	1.6
Non-science and engineering	8,329	100.0	10.6	0.5	6.7	14.0	61.0	3.1	1.7	2.3
Business	588	100.0	7.3	0.3	14.8	14.5	53.7	2.4	2.9	4.1
Business administration and management	191	100.0	7.9	0.5	12.6	17.8	52.4	2.1	2.1	4.7
Business, other	397	100.0	7.1	0.3	15.9	12.8	54.4	2.5	3.3	3.8
Education	3,286	100.0	11.4	0.6	5.6	20.0	55.6	3.3	1.2	2.3

Table 3-4. U.S. citizen and permanent resident research doctorate recipients, by major field of doctorate, ethnicity, and race: 2025

(Percent)

Field of doctorate	All U.S. citizens and permanent residents (number)	Total	U.S. citizens and permanent residents							
			Hispanic or Latino	Not Hispanic or Latino						Ethnicity not reported
				American Indian or Alaska Native	Asian	Black or African American	White	More than one race	Other race or race not reported	
Education leadership and administration	1,095	100.0	10.8	0.8	4.7	26.7	50.9	2.7	0.8	2.6
Education research	929	100.0	9.8	0.4	7.9	19.3	54.6	3.9	1.4	2.8
Teacher education and teaching fields	898	100.0	11.9	0.2	4.1	13.4	64.0	3.2	1.6	1.6
Education, other	364	100.0	15.9	1.1	6.0	17.9	51.9	4.1	1.1	1.9
Humanities	2,455	100.0	11.9	0.4	5.5	5.5	69.8	2.8	2.1	2.1
English language and literature, letters	811	100.0	9.4	0.2	3.7	6.0	73.4	3.0	2.2	2.1
Foreign languages, literatures, and linguistics	285	100.0	29.5	0.4	6.3	1.8	56.1	2.1	1.8	2.1
History	610	100.0	10.7	0.5	4.9	6.9	69.2	4.3	2.0	1.6
Philosophy and religious studies	456	100.0	7.9	0.2	7.9	4.8	72.6	2.4	2.2	2.0
Humanities, other	293	100.0	10.9	1.0	6.8	5.5	70.0	0.7	2.0	3.1
Visual and performing arts	558	100.0	9.9	0.4	8.1	7.3	66.5	3.2	1.4	3.2
Performing arts	342	100.0	9.1	0.3	7.0	7.3	68.4	3.2	1.5	3.2
Visual arts, media studies, and design	216	100.0	11.1	0.5	9.7	7.4	63.4	3.2	1.4	3.2
Other non-science and engineering	1,442	100.0	8.3	0.3	7.8	17.5	59.2	3.1	1.9	1.8
Communication and journalism	383	100.0	7.3	0.0	9.7	10.4	67.1	2.6	1.6	1.3
Multidisciplinary/ interdisciplinary studies	235	100.0	8.9	0.0	6.4	10.6	66.8	3.8	0.9	2.6
Public administration and social services	407	100.0	9.6	0.5	7.4	26.5	48.2	2.9	2.9	2.0
Non-science and engineering, other	417	100.0	7.4	0.7	7.4	19.2	58.5	3.4	1.7	1.7

Note(s):
Due to rounding, percentages may not sum to 100. The survey data collection for the field of study changed in 2021, which may affect the data comparisons across years. This table uses the new field taxonomy based on a modified version of the 2020 Classification of Instructional Programs (CIP) codes and does not match data that uses the trend field taxonomy. 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.

Table 3-5. Median years to science and engineering research doctorate, by sex, citizenship status, ethnicity, race, and broad field of doctorate: 2025

(Number and median years)

Time to degree and demographic characteristic	All fields		Science and engineering, total		Agricultural sciences and natural resources		Biological and biomedical sciences		Computer and information sciences		Engineering		Geosciences, atmospheric, and ocean sciences		Health sciences		Mathematics and statistics		Multidisciplinary/interdisciplinary sciences		Physical sciences		Psychology		Social sciences	
	Number	Median	Number	Median	Number	Median	Number	Median	Number	Median	Number	Median	Number	Median	Number	Median	Number	Median	Number	Median	Number	Median	Number	Median	Number	Median
Years since bachelor's degree																										
Doctorate recipients reporting year of bachelor's degree	54,980	8.6	44,207	8.0	1,216	8.6	9,473	8.0	2,730	8.1	10,130	7.4	1,139	7.8	2,637	11.3	1,944	7.0	1,665	8.4	5,052	6.8	3,581	8.8	4,640	10.3
Sex																										
Male	28,168	8.3	23,903	8.0	549	9.0	4,102	8.0	2,039	8.0	7,227	7.6	592	8.0	766	10.0	1,351	7.0	994	8.2	3,288	6.9	836	9.1	2,159	10.0
Female	26,812	9.0	20,304	8.2	667	8.4	5,371	7.7	691	8.6	2,903	7.0	547	7.6	1,871	12.0	593	7.2	671	9.0	1,764	6.5	2,745	8.7	2,481	10.5
Citizenship status																										
U.S. citizen or permanent resident	35,333	8.7	27,270	8.0	725	8.6	7,128	7.7	1,041	8.3	4,702	6.8	825	7.5	2,021	12.0	922	6.7	822	8.8	3,071	6.3	3,088	8.7	2,925	10.6
Temporary visa holder	18,544	8.5	16,084	8.2	471	8.9	2,198	8.3	1,598	8.0	5,242	7.9	299	8.5	536	9.9	987	7.3	808	8.3	1,916	7.3	382	9.0	1,647	10.0
Ethnicity or race (U.S. citizens and permanent residents)																										
Hispanic or Latino	3,690	8.3	2,837	7.6	76	8.5	765	7.3	54	8.0	392	6.3	90	7.3	208	11.0	92	6.8	65	7.8	321	6.3	449	8.6	325	10.3
Not Hispanic or Latino																										
American Indian or Alaska Native	103	10.6	68	9.2	D	D	11	6.3	0	-	11	9.0	5	15.6	7	10.3	D	D	D	D	5	11.3	9	10.0	15	9.3
Asian	4,103	8.4	3,557	8.0	D	D	952	8.1	244	8.0	851	7.2	60	7.3	242	10.4	D	D	D	D	327	7.0	231	8.5	299	10.6
Black or African American	2,904	11.9	1,764	9.6	27	12.0	326	8.0	67	11.3	225	7.8	25	7.0	285	13.8	32	8.3	50	10.5	121	7.3	282	10.1	324	12.9
White	22,086	8.5	17,108	7.8	527	8.3	4,574	7.6	592	8.3	2,899	6.6	588	7.6	1,157	12.3	580	6.6	502	9.0	2,081	6.3	1,899	8.4	1,709	10.3
More than one race	1,390	8.3	1,136	7.7	22	10.1	314	7.8	32	7.8	175	6.3	43	7.3	66	12.0	45	6.4	26	7.3	143	6.3	125	9.1	145	10.0
Other race or race not reported	551	10.0	421	9.0	3	10.0	92	8.2	29	8.2	69	7.0	7	8.3	34	12.8	19	8.4	19	11.9	35	7.0	55	10.0	59	12.0
Ethnicity not reported	506	9.1	379	8.3	8	9.8	94	8.3	23	7.6	80	7.8	7	6.6	22	14.2	9	6.3	11	5.7	38	7.3	38	9.3	49	12.0
Years since entering graduate school																										
Doctorate recipients reporting year of graduate school entry	53,305	7.0	42,946	6.8	1,204	7.2	9,279	6.3	2,597	7.0	9,829	6.4	1,108	6.4	2,590	8.8	1,904	6.1	1,629	7.0	4,896	6.0	3,388	7.0	4,522	8.8
Sex																										
Male	27,359	7.0	23,257	6.8	556	7.4	4,018	6.6	1,939	6.9	7,015	6.7	573	6.7	766	7.8	1,324	6.1	975	6.9	3,198	6.0	792	7.0	2,101	8.4
Female	25,946	7.3	19,689	6.8	648	6.9	5,261	6.3	658	7.3	2,814	6.3	535	6.3	1,824	9.0	580	6.3	654	7.3	1,698	5.8	2,596	6.9	2,421	8.9
Citizenship status																										
U.S. citizen or permanent resident	34,328	7.0	26,505	6.5	702	6.9	6,965	6.3	993	7.0	4,533	6.0	803	6.3	1,991	9.0	906	6.0	803	7.0	2,967	5.8	2,960	6.9	2,882	8.7

Table 3-5. Median years to science and engineering research doctorate, by sex, citizenship status, ethnicity, race, and broad field of doctorate: 2025

(Number and median years)

Time to degree and demographic characteristic	All fields		Science and engineering, total		Agricultural sciences and natural resources		Biological and biomedical sciences		Computer and information sciences		Engineering		Geosciences, atmospheric, and ocean sciences		Health sciences		Mathematics and statistics		Multidisciplinary/interdisciplinary sciences		Physical sciences		Psychology		Social sciences	
	Number	Median	Number	Median	Number	Median	Number	Median	Number	Median	Number	Median	Number	Median	Number	Median	Number	Median	Number	Median	Number	Median	Number	Median	Number	Median
Temporary visa holder	18,252	7.3	15,864	7.0	486	7.6	2,222	7.0	1,541	7.0	5,159	6.9	295	7.3	558	7.8	969	6.5	797	7.1	1,876	6.3	372	7.7	1,589	8.8
Ethnicity or race (U.S. citizens and permanent residents)																										
Hispanic or Latino	3,594	7.0	2,763	6.3	77	6.8	757	6.3	52	7.3	382	5.8	88	6.3	201	8.6	91	6.0	63	6.3	314	5.8	419	6.9	319	8.4
Not Hispanic or Latino																										
American Indian or Alaska Native	93	8.3	61	7.8	D	D	9	5.7	0	-	11	7.2	5	15.3	7	9.0	0	-	D	D	D	D	7	7.7	14	7.3
Asian	4,059	6.9	3,523	6.8	D	D	960	6.5	238	6.8	823	6.3	59	6.1	248	8.1	143	6.1	D	D	D	D	224	7.0	299	9.0
Black or African American	2,852	9.3	1,750	7.8	27	7.3	320	6.8	64	10.1	219	6.8	24	6.2	291	9.8	33	6.8	48	8.7	119	6.3	278	8.0	327	9.9
White	21,535	6.9	16,678	6.3	505	6.8	4,463	6.2	570	6.9	2,827	5.9	575	6.3	1,131	9.3	567	6.0	492	7.3	2,021	5.8	1,836	6.8	1,691	8.3
More than one race	1,385	6.8	1,133	6.3	22	7.4	313	6.3	32	7.1	172	5.8	43	6.1	66	8.2	45	6.0	26	5.9	143	5.8	125	6.9	146	8.0
Other race or race not reported	510	7.8	388	6.9	2	7.4	89	6.3	26	7.9	56	6.0	7	7.8	33	10.7	18	6.0	19	10.0	31	6.8	47	7.0	60	9.8
Ethnicity not reported	300	7.4	209	6.8	4	6.7	54	6.4	11	8.0	43	5.8	2	5.7	14	10.4	9	5.9	8	5.4	14	6.8	24	6.5	26	11.8
Years since entering doctoral program ^a																										
Doctorate recipients reporting year of doctoral program entry ^b	52,770	5.8	42,518	5.7	1,197	4.9	9,209	5.8	2,565	5.7	9,703	5.3	1,094	5.7	2,563	5.0	1,878	5.7	1,614	5.5	4,856	5.8	3,353	5.9	4,486	6.0
Sex																										
Male	27,052	5.7	22,988	5.7	550	4.9	3,987	5.8	1,914	5.7	6,922	5.3	563	5.7	753	5.0	1,303	5.7	964	5.5	3,167	5.8	780	5.9	2,085	5.9
Female	25,718	5.8	19,530	5.7	647	4.9	5,222	5.7	651	5.8	2,781	5.3	531	5.7	1,810	5.0	575	5.4	650	5.3	1,689	5.4	2,573	5.8	2,401	6.0
Citizenship status																										
U.S. citizen or permanent resident	33,968	5.8	26,231	5.8	698	5.0	6,914	5.8	981	5.8	4,462	5.3	793	5.7	1,969	5.0	891	5.8	796	5.7	2,945	5.7	2,927	5.9	2,855	6.3
Temporary visa holder	18,086	5.6	15,719	5.5	484	4.7	2,204	5.8	1,524	5.6	5,104	5.3	291	5.5	551	4.9	960	5.3	789	5.3	1,860	5.8	370	5.7	1,582	5.8
Ethnicity or race (U.S. citizens and permanent residents)																										
Hispanic or Latino	3,542	5.8	2,723	5.8	76	5.8	751	5.8	51	6.0	371	5.3	88	5.8	198	5.3	90	5.5	61	5.8	309	5.6	411	6.0	317	6.8
Not Hispanic or Latino																										
American Indian or Alaska Native	91	5.8	60	5.8	D	D	9	5.7	0	-	11	7.0	5	6.9	7	6.8	0	-	D	D	D	D	7	5.6	14	5.9
Asian	4,025	5.8	3,493	5.7	D	D	955	5.8	236	5.7	811	5.3	57	5.3	246	5.0	139	5.8	D	D	D	D	223	5.9	297	6.3

Table 3-5. Median years to science and engineering research doctorate, by sex, citizenship status, ethnicity, race, and broad field of doctorate: 2025

(Number and median years)

Time to degree and demographic characteristic	All fields		Science and engineering, total		Agricultural sciences and natural resources		Biological and biomedical sciences		Computer and information sciences		Engineering		Geosciences, atmospheric, and ocean sciences		Health sciences		Mathematics and statistics		Multidisciplinary/interdisciplinary sciences		Physical sciences		Psychology		Social sciences	
	Number	Median	Number	Median	Number	Median	Number	Median	Number	Median	Number	Median	Number	Median	Number	Median	Number	Median	Number	Median	Number	Median	Number	Median	Number	Median
Black or African American	2,799	5.8	1,720	5.8	27	5.3	315	5.7	62	5.3	214	5.3	24	5.8	288	5.3	32	5.8	48	5.1	118	5.8	271	6.0	321	6.0
White	21,346	5.8	16,529	5.7	501	5.0	4,436	5.7	566	5.8	2,787	5.3	567	5.5	1,119	5.0	559	5.8	487	5.8	2,009	5.5	1,821	5.9	1,677	6.3
More than one race	1,378	5.8	1,126	5.8	22	5.3	311	5.8	32	5.9	172	5.3	43	5.8	65	5.3	44	5.8	26	5.5	141	5.8	124	5.8	146	6.3
Other race or race not reported	496	5.8	377	5.8	2	6.4	86	5.8	24	5.9	54	5.4	7	5.7	33	5.8	18	5.8	19	6.1	31	5.8	45	5.9	58	6.5
Ethnicity not reported	291	5.3	203	5.3	4	5.0	51	5.3	10	5.4	42	5.3	2	5.7	13	4.7	9	5.3	8	5.4	14	6.0	25	5.8	25	5.3

- = not calculable; D = suppressed to avoid disclosure of confidential information.

^a Years since entering doctoral program is based on master's degree program entry if the master's degree was at the doctoral institution in the same field of study or was a prerequisite to the doctorate; otherwise, it is based on doctoral program entry.

^b Doctorate recipients reporting year of doctoral program entry includes only cases with valid year of entry into master's program if master's degree was at the doctoral institution in the same field of study or was a prerequisite to the doctorate; otherwise, includes only cases with valid year of doctoral program entry.

Note(s):
Hispanic or Latino may be of any race; race categories exclude Hispanic origin. The survey data collection for the field of study changed in 2021, which may affect the data comparisons across years. This table uses the new field taxonomy based on a modified version of the 2020 Classification of Instructional Programs (CIP) codes and does not match data that uses the trend field taxonomy. 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.

Table 3-6. Median years to non-science and engineering research doctorate, by sex, citizenship status, ethnicity, race, and broad field of doctorate: 2025

(Number and median years)

	All fields		Non-science and engineering, total		Business		Education		Humanities		Visual and performing arts		Other non-science and engineering	
Time to degree and demographic characteristic	Number	Median	Number	Median	Number	Median	Number	Median	Number	Median	Number	Median	Number	Median
Years since bachelor's degree														
Doctorate recipients reporting year of bachelor's degree	54,980	8.6	10,773	12.7	1,199	10.9	3,742	16.0	3,077	11.4	732	11.2	2,023	11.8
Sex														
Male	28,168	8.3	4,265	12.1	675	10.8	983	15.0	1,510	12.0	319	11.0	778	11.6
Female	26,812	9.0	6,508	13.0	524	11.0	2,759	16.3	1,567	11.0	413	11.3	1,245	11.8
Citizenship status														
U.S. citizen or permanent resident	35,333	8.7	8,063	13.3	558	13.0	3,159	16.7	2,392	11.3	546	11.5	1,408	12.4
Temporary visa holder	18,544	8.5	2,460	11.0	603	9.8	488	12.7	632	11.4	175	10.9	562	10.5
Ethnicity or race (U.S. citizens and permanent residents)														
Hispanic or Latino	3,690	8.3	853	13.3	41	14.3	362	15.0	280	11.8	55	10.1	115	12.0
Not Hispanic or Latino														
American Indian or Alaska Native	103	10.6	35	13.8	D	D	16	18.2	10	10.5	D	D	5	10.3
Asian	4,103	8.4	546	13.0	84	11.5	178	14.8	132	12.1	43	11.0	109	13.0
Black or African American	2,904	11.9	1,140	15.4	82	18.5	636	17.0	133	11.3	41	12.0	248	14.9
White	22,086	8.5	4,978	13.1	309	12.0	1,776	17.4	1,681	11.3	365	11.6	847	12.0
More than one race	1,390	8.3	254	12.1	D	D	108	14.0	69	10.3	D	D	45	12.0
Other race or race not reported	551	10.0	130	14.3	13	13.0	37	16.0	47	13.6	8	12.8	25	15.3
Ethnicity not reported	506	9.1	127	13.3	13	9.3	46	17.9	40	12.0	14	13.2	14	10.3
Years since entering graduate school														
Doctorate recipients reporting year of graduate school entry	53,305	7.0	10,359	10.0	1,149	8.8	3,586	12.3	2,972	9.7	704	9.3	1,948	9.8
Sex														
Male	27,359	7.0	4,102	9.9	650	8.7	943	12.0	1,455	9.9	309	9.3	745	9.8
Female	25,946	7.3	6,257	10.3	499	8.9	2,643	12.6	1,517	9.1	395	9.3	1,203	9.8
Citizenship status														
U.S. citizen or permanent resident	34,328	7.0	7,823	10.8	539	10.3	3,069	13.1	2,315	9.6	530	9.0	1,370	10.0
Temporary visa holder	18,252	7.3	2,388	9.0	585	8.2	459	9.7	621	9.7	171	9.8	552	8.8
Ethnicity or race (U.S. citizens and permanent residents)														
Hispanic or Latino	3,594	7.0	831	10.3	39	10.9	355	12.0	271	9.8	54	8.8	112	9.8
Not Hispanic or Latino														
American Indian or Alaska Native	93	8.3	32	8.8	D	D	D	D	8	7.7	D	D	5	7.0
Asian	4,059	6.9	536	10.3	82	9.6	173	11.4	129	9.9	43	9.8	109	10.8
Black or African American	2,852	9.3	1,102	12.7	82	14.7	612	13.6	129	9.3	40	9.7	239	12.0
White	21,535	6.9	4,857	10.7	303	9.3	1,738	13.8	1,634	9.5	358	9.2	824	9.8
More than one race	1,385	6.8	252	10.0	D	D	D	D	69	8.7	D	D	44	10.1

Table 3-6. Median years to non-science and engineering research doctorate, by sex, citizenship status, ethnicity, race, and broad field of doctorate: 2025

(Number and median years)

Time to degree and demographic characteristic	All fields		Non-science and engineering, total		Business		Education		Humanities		Visual and performing arts		Other non-science and engineering	
	Number	Median	Number	Median	Number	Median	Number	Median	Number	Median	Number	Median	Number	Median
Doctorate recipients reporting year of doctoral program entry ^b	52,770	5.8	10,252	5.9	1,143	5.3	3,542	5.5	2,942	6.8	696	6.7	1,929	5.7
Sex														
Male	27,052	5.7	4,064	5.9	648	5.2	934	5.7	1,442	6.8	305	6.3	735	5.3
Female	25,718	5.8	6,188	5.9	495	5.3	2,608	5.4	1,500	6.8	391	6.8	1,194	5.8
Citizenship status														
U.S. citizen or permanent resident	33,968	5.8	7,737	6.0	534	5.2	3,028	5.7	2,295	6.8	525	6.7	1,355	5.8
Temporary visa holder	18,086	5.6	2,367	5.8	584	5.3	456	5.0	612	6.8	168	6.3	547	5.0
Ethnicity or race (U.S. citizens and permanent residents)														
Hispanic or Latino	3,542	5.8	819	6.0	39	5.8	352	5.8	266	6.8	54	6.5	108	5.8
Not Hispanic or Latino														
American Indian or Alaska Native	91	5.8	31	5.3	D	D	16	5.8	8	4.5	D	D	D	D
Asian	4,025	5.8	532	6.0	81	5.8	172	5.7	129	7.1	42	6.5	108	6.3
Black or African American	2,799	5.8	1,079	5.8	81	4.9	596	5.6	126	6.0	40	6.2	236	5.8
White	21,346	5.8	4,817	6.0	300	5.0	1,721	5.6	1,624	6.8	354	6.7	818	5.8
More than one race	1,378	5.8	252	6.0	D	D	109	5.1	69	6.8	D	D	D	D
Other race or race not reported	496	5.8	119	6.0	8	5.7	35	5.3	44	7.1	8	6.5	24	5.8
Ethnicity not reported	291	5.3	88	5.7	10	3.9	27	5.7	29	5.8	9	4.8	13	6.0

D = suppressed to avoid disclosure of confidential information.

^a Years since entering doctoral program is based on master's degree program entry if the master's degree was at the doctoral institution in the same field of study or was a prerequisite to the doctorate; otherwise, it is based on doctoral program entry.

^b Doctorate recipients reporting year of doctoral program entry includes only cases with valid year of entry into master's program if master's degree was at the doctoral institution in the same field of study or was a prerequisite to the doctorate; otherwise, includes only cases with valid year of doctoral program entry.

Note(s):
Hispanic or Latino may be of any race; race categories exclude Hispanic origin. The survey data collection for the field of study changed in 2021, which may affect the data comparisons across years. This table uses the new field taxonomy based on a modified version of the 2020 Classification of Instructional Programs (CIP) codes and does not match data that uses the trend field taxonomy. 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.

Table 3-7. Median age and age distribution of research doctorate recipients, by broad field of doctorate, sex, citizenship status, ethnicity, and race: 2025

(Median years, number, and percent)

Field and demographic characteristic	Age at doctorate (median years)	Doctorate recipients (number)	25 and under (%)	26–30 (%)	31–35 (%)	36–40 (%)	41–45 (%)	Over 45 (%)
Doctorate recipients reporting birth year	31.4	54,277	0.8	45.4	30.4	11.2	5.3	6.8
Science and engineering	30.7	43,640	0.9	52.2	30.1	9.2	3.6	4.0
Agricultural sciences and natural resources	31.7	1,238	1.1	42.6	31.7	14.8	5.5	4.3
Biological and biomedical sciences	30.4	9,402	0.6	56.3	32.1	7.3	2.2	1.6
Computer and information sciences	30.6	2,660	1.6	52.2	29.6	8.6	3.7	4.3
Engineering	30.1	9,994	1.2	58.9	29.1	6.7	2.1	2.0
Geosciences, atmospheric, and ocean sciences	30.4	1,125	0.9	55.6	29.1	8.7	3.3	2.5
Health sciences	34.8	2,625	0.5	27.4	27.2	17.5	10.4	17.1
Mathematics and statistics	29.6	1,911	2.2	64.2	24.9	5.5	2.0	1.2
Multidisciplinary/interdisciplinary sciences	31.2	1,628	1.0	47.1	28.8	12.2	4.9	6.0
Physical sciences	29.2	5,013	1.0	70.4	22.0	4.4	1.2	0.9
Psychology	31.4	3,506	0.6	45.3	32.0	10.7	4.8	6.6
Social sciences	33.3	4,538	0.2	27.5	40.4	17.3	6.9	7.6
Non-science and engineering	36.1	10,637	0.3	17.3	31.7	19.7	12.4	18.6
Business	34.3	1,158	D	24.6	35.6	15.5	D	16.1
Education	39.8	3,709	0.2	9.7	23.5	20.8	17.7	28.0
Humanities	34.6	3,054	D	20.5	38.4	19.5	D	11.4
Visual and performing arts	34.4	726	D	23.1	36.5	21.9	D	9.0
Other non-science and engineering	35.4	1,990	0.6	20.1	32.9	19.5	10.2	16.7
Sex								
Male	31.2	27,907	0.8	47.1	31.7	10.7	4.5	5.1
Female	31.7	26,370	0.7	43.6	29.1	11.8	6.2	8.6
Citizenship status, ethnicity, and race								
U.S. citizen or permanent resident	31.6	35,329	0.8	44.6	27.2	11.6	6.3	9.5
Hispanic or Latino	31.6	3,729	0.4	44.7	29.2	11.7	5.9	8.2
Not Hispanic or Latino								
American Indian or Alaska Native	36.3	106	0.0	28.3	20.8	15.1	11.3	24.5
Asian	31.1	4,144	0.9	48.3	30.1	10.8	4.5	5.4
Black or African American	36.0	2,912	0.7	26.9	22.4	15.6	11.1	23.4
White	31.3	22,129	0.9	46.3	26.7	11.3	6.2	8.7
More than one race	30.9	1,386	0.9	49.8	28.8	9.2	5.1	6.1
Other race or race not reported	32.4	513	1.4	35.9	30.0	13.5	6.6	12.7
Ethnicity not reported	32.1	410	1.2	38.8	28.5	12.4	7.1	12.0
Temporary visa holder	31.2	18,719	0.7	47.0	36.7	10.5	3.3	1.8

D = suppressed to avoid disclosure of confidential information.

Note(s):

Hispanic or Latino may be of any race; race categories exclude Hispanic origin. Due to rounding, percentages may not sum to 100. The survey data collection for the field of study changed in 2021, which may affect the data comparisons across years. This table uses the new field taxonomy based on a modified version of the 2020 Classification of Instructional Programs (CIP) codes and does not match data that uses the trend field taxonomy. 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.

Table 4-1. Research doctorate recipients' primary source of financial support, by broad field of doctorate, sex, citizenship status, ethnicity, and race: 2025

(Percent)

Field and primary source of support	Total ^a	Sex		Citizenship status		U.S. citizens and permanent residents							
		Male	Female	U.S. citizen or permanent resident	Temporary visa holder	Hispanic or Latino	Not Hispanic or Latino						Ethnicity not reported
							American Indian or Alaska Native	Asian	Black or African American	White	More than one race	Other race or race not reported	
All doctorate recipients reporting primary source of support, all fields (number)	51,936	26,645	25,291	33,662	17,937	3,507	91	3,980	2,773	21,208	1,370	485	248
Teaching assistantships	20.2	20.6	19.7	18.6	23.2	18.5	9.9	16.7	12.5	19.9	16.0	18.8	20.2
Research assistantships or traineeships ^b	36.8	42.6	30.7	30.0	49.6	24.9	18.7	37.8	16.3	31.5	29.1	27.2	19.0
Fellowships, scholarships, or dissertation grants	24.0	21.9	26.2	26.3	19.6	33.1	37.4	29.8	26.9	24.0	32.6	26.2	30.2
Own resources	15.2	11.1	19.4	20.7	4.7	20.0	28.6	13.1	38.5	19.8	19.6	24.5	26.2
Employer or other sources	3.8	3.8	3.9	4.4	2.9	3.5	5.5	2.5	5.8	4.8	2.8	3.3	4.4
Science and engineering (number)	41,902	22,672	19,230	26,012	15,604	2,701	60	3,453	1,709	16,423	1,121	369	176
Teaching assistantships	19.0	19.6	18.4	17.1	22.1	17.1	D	15.8	13.1	18.1	D	16.0	18.2
Research assistantships or traineeships ^b	43.1	48.3	36.9	36.4	54.2	29.9	20.0	41.6	21.5	38.4	33.5	32.2	25.0
Fellowships, scholarships, or dissertation grants	23.7	20.9	27.0	27.5	17.4	35.1	38.3	29.5	31.9	24.7	34.6	28.2	34.1
Own resources	11.3	8.1	15.0	15.8	3.8	15.3	25.0	11.1	29.2	15.2	16.0	20.6	18.8
Employer or other sources	3.0	3.1	2.8	3.2	2.5	2.5	D	2.1	4.2	3.6	D	3.0	4.0
Agricultural sciences and natural resources (number)	1,180	545	635	692	481	76	D	D	27	498	22	2	3
Teaching assistantships	10.4	11.0	9.9	11.1	9.6	11.8	0.0	D	D	10.0	D	0.0	33.3
Research assistantships or traineeships ^b	55.9	58.9	53.4	49.0	66.3	44.7	0.0	40.3	40.7	52.2	40.9	0.0	0.0
Fellowships, scholarships, or dissertation grants	17.9	13.6	21.6	19.5	15.2	30.3	D	17.7	D	16.9	22.7	100.0	33.3
Own resources	9.8	8.8	10.7	14.0	3.5	7.9	D	19.4	D	13.5	D	0.0	33.3
Employer or other sources	5.9	7.7	4.4	6.4	5.4	5.3	0.0	3.2	0.0	7.4	4.5	0.0	0.0
Biological and biomedical sciences (number)	9,059	3,921	5,138	6,822	2,184	744	9	940	310	4,388	308	80	43
Teaching assistantships	12.4	13.1	11.9	11.8	14.4	9.0	0.0	8.9	8.1	13.3	9.7	10.0	11.6
Research assistantships or traineeships ^b	40.4	41.7	39.4	36.5	52.7	30.8	D	D	27.1	38.5	31.8	30.0	23.3
Fellowships, scholarships, or dissertation grants	35.3	33.8	36.5	38.3	26.0	48.1	D	D	51.6	34.0	46.8	46.3	55.8
Own resources	9.6	9.0	10.1	11.2	4.4	10.8	D	D	11.3	11.8	9.4	13.8	7.0
Employer or other sources	2.3	2.4	2.1	2.2	2.5	1.3	0.0	2.0	1.9	2.4	2.3	0.0	2.3
Computer and information sciences (number)	2,525	1,887	638	974	1,514	51	0	231	64	562	32	25	9
Teaching assistantships	15.9	14.8	19.3	12.3	18.2	11.8	-	12.6	D	13.2	D	16.0	0.0
Research assistantships or traineeships ^b	57.3	60.5	47.8	46.1	64.1	D	-	46.3	D	48.8	50.0	28.0	44.4
Fellowships, scholarships, or dissertation grants	14.5	12.6	20.1	20.0	11.1	19.6	-	21.2	28.1	18.3	25.0	24.0	11.1
Own resources	8.0	8.1	7.8	14.9	3.7	D	-	15.6	28.1	12.8	D	28.0	22.2
Employer or other sources	4.4	4.1	5.0	6.7	2.9	15.7	-	4.3	6.3	6.9	3.1	4.0	22.2
Engineering (number)	9,566	6,820	2,746	4,421	5,077	369	11	805	211	2,767	171	53	34
Teaching assistantships	10.3	10.7	9.3	7.2	13.0	4.3	D	8.3	D	7.2	2.9	5.7	5.9
Research assistantships or traineeships ^b	61.7	63.2	57.8	52.3	69.9	44.4	D	59.0	D	53.0	48.0	66.0	41.2
Fellowships, scholarships, or dissertation grants	19.6	17.2	25.7	28.6	11.6	40.1	D	24.8	D	27.0	37.4	22.6	38.2

Table 4-1. Research doctorate recipients' primary source of financial support, by broad field of doctorate, sex, citizenship status, ethnicity, and race: 2025

(Percent)

Field and primary source of support	Total ^a	Sex		Citizenship status		U.S. citizens and permanent residents							
		Male	Female	U.S. citizen or permanent resident	Temporary visa holder	Hispanic or Latino	Not Hispanic or Latino						Ethnicity not reported
							American Indian or Alaska Native	Asian	Black or African American	White	More than one race	Other race or race not reported	
Own resources	5.3	5.4	5.0	7.7	3.2	6.8	D	5.6	D	8.0	9.4	3.8	11.8
Employer or other sources	3.1	3.5	2.2	4.2	2.3	4.3	0.0	2.2	5.7	4.8	2.3	1.9	2.9
Geosciences, atmospheric, and ocean sciences (number)	1,084	559	525	789	291	88	5	57	24	563	43	7	2
Teaching assistantships	17.3	18.1	16.6	17.0	18.6	11.4	D	D	29.2	18.1	D	28.6	0.0
Research assistantships or traineeships ^b	51.9	53.3	50.5	50.7	55.7	45.5	D	52.6	D	51.3	58.1	71.4	100.0
Fellowships, scholarships, or dissertation grants	23.5	20.9	26.3	24.8	19.9	34.1	D	26.3	D	23.1	27.9	0.0	0.0
Own resources	5.4	4.8	5.9	6.3	2.1	6.8	D	D	D	6.2	D	0.0	0.0
Employer or other sources	1.8	2.9	0.8	1.1	3.8	2.3	0.0	0.0	0.0	1.2	0.0	0.0	0.0
Health sciences (number)	2,517	737	1,780	1,960	543	197	7	243	289	1,113	66	31	14
Teaching assistantships	9.0	11.1	8.1	8.1	12.7	4.6	0.0	7.4	5.5	9.4	10.6	6.5	7.1
Research assistantships or traineeships ^b	27.8	35.3	24.7	22.2	47.7	19.3	D	D	13.8	23.1	15.2	12.9	7.1
Fellowships, scholarships, or dissertation grants	22.4	20.8	23.0	22.3	22.7	32.5	D	D	24.2	18.7	27.3	29.0	28.6
Own resources	33.0	25.2	36.2	39.6	8.8	36.5	D	28.0	49.5	39.5	D	45.2	42.9
Employer or other sources	7.9	7.6	8.0	7.8	8.1	7.1	D	4.1	6.9	9.3	D	6.5	14.3
Mathematics and statistics (number)	1,847	1,282	565	883	951	87	0	139	32	557	43	17	8
Teaching assistantships	62.2	64.0	58.1	58.4	65.6	64.4	-	55.4	59.4	59.4	48.8	47.1	50.0
Research assistantships or traineeships ^b	15.1	14.4	16.6	14.2	15.9	D	-	10.1	D	16.7	D	17.6	0.0
Fellowships, scholarships, or dissertation grants	16.9	16.4	18.1	19.5	14.5	20.7	-	25.2	25.0	15.4	41.9	23.5	37.5
Own resources	4.5	4.1	5.7	6.7	2.6	D	-	8.6	D	6.6	D	11.8	12.5
Employer or other sources	1.3	1.2	1.6	1.2	1.4	0.0	-	0.7	0.0	1.8	0.0	0.0	0.0
Multidisciplinary/ interdisciplinary sciences (number)	1,587	952	635	790	783	62	D	D	45	486	26	19	7
Teaching assistantships	18.3	15.5	22.5	19.0	17.6	22.6	0.0	D	17.8	20.0	D	31.6	42.9
Research assistantships or traineeships ^b	48.0	54.4	38.4	34.7	61.6	22.6	D	51.0	15.6	33.7	D	15.8	14.3
Fellowships, scholarships, or dissertation grants	19.5	19.0	20.3	24.3	14.6	32.3	D	D	31.1	23.7	23.1	26.3	42.9
Own resources	10.3	7.7	14.3	17.1	3.6	22.6	0.0	15.4	26.7	16.3	19.2	15.8	0.0
Employer or other sources	3.8	3.4	4.4	4.9	2.7	0.0	0.0	1.4	8.9	6.4	0.0	10.5	0.0
Physical sciences (number)	4,804	3,137	1,667	2,938	1,842	307	D	D	118	2,006	142	31	11
Teaching assistantships	24.0	23.3	25.3	22.0	27.0	21.8	D	D	29.7	21.7	19.7	12.9	18.2
Research assistantships or traineeships ^b	55.0	58.2	49.0	52.9	58.5	46.6	D	D	33.9	54.3	54.2	71.0	54.5
Fellowships, scholarships, or dissertation grants	16.7	14.6	20.7	19.5	12.3	26.4	D	D	30.5	17.7	21.8	6.5	27.3
Own resources	3.3	2.9	4.1	4.6	1.2	5.2	D	D	5.9	4.9	3.5	9.7	0.0
Employer or other sources	1.0	1.1	0.9	1.0	1.1	0.0	0.0	0.3	0.0	1.3	0.7	0.0	0.0
Psychology (number)	3,293	767	2,526	2,901	365	403	7	222	269	1,809	123	47	21
Teaching assistantships	24.3	27.0	23.4	22.8	35.3	22.6	D	27.9	D	24.0	17.1	23.4	33.3

Table 4-1. Research doctorate recipients' primary source of financial support, by broad field of doctorate, sex, citizenship status, ethnicity, and race: 2025

(Percent)

Field and primary source of support	Total ^a	Sex		Citizenship status		U.S. citizens and permanent residents							
		Male	Female	U.S. citizen or permanent resident	Temporary visa holder	Hispanic or Latino	Not Hispanic or Latino						Ethnicity not reported
							American Indian or Alaska Native	Asian	Black or African American	White	More than one race	Other race or race not reported	
Research assistantships or traineeships ^b	23.2	23.6	23.1	22.6	28.5	20.6	0.0	21.6	15.6	24.8	16.3	21.3	23.8
Fellowships, scholarships, or dissertation grants	17.6	15.3	18.3	17.5	18.4	22.3	D	21.6	D	15.4	22.0	14.9	4.8
Own resources	32.6	30.9	33.2	34.9	14.8	33.3	D	27.9	D	33.9	41.5	34.0	38.1
Employer or other sources	2.3	3.3	2.0	2.1	3.0	1.2	28.6	0.9	4.1	1.9	3.3	6.4	0.0
Social sciences (number)	4,440	2,065	2,375	2,842	1,573	317	13	292	320	1,674	145	57	24
Teaching assistantships	34.3	37.0	31.9	30.7	40.8	37.2	D	D	14.7	33.3	24.1	19.3	29.2
Research assistantships or traineeships ^b	15.0	13.2	16.6	15.2	14.9	9.5	D	D	12.8	16.4	17.9	10.5	4.2
Fellowships, scholarships, or dissertation grants	32.7	33.6	32.0	30.2	37.3	33.8	61.5	38.7	28.4	27.4	37.9	35.1	29.2
Own resources	15.0	12.6	17.0	20.5	4.6	17.0	D	D	39.4	19.3	17.9	31.6	33.3
Employer or other sources	3.0	3.6	2.5	3.4	2.3	2.5	0.0	2.7	4.7	3.6	2.1	3.5	4.2
Non-science and engineering (number)	10,034	3,973	6,061	7,650	2,333	806	31	527	1,064	4,785	249	116	72
Teaching assistantships	25.1	26.5	24.2	23.4	30.7	23.1	D	23.0	11.6	26.0	D	27.6	25.0
Research assistantships or traineeships ^b	10.7	10.1	11.1	8.3	18.4	8.2	16.1	13.3	7.9	7.7	9.2	11.2	4.2
Fellowships, scholarships, or dissertation grants	25.4	28.0	23.6	22.5	34.8	26.3	35.5	32.1	18.9	21.5	23.3	19.8	20.8
Own resources	31.3	28.0	33.5	37.6	10.8	35.6	35.5	26.8	53.4	35.7	35.7	37.1	44.4
Employer or other sources	7.5	7.4	7.6	8.2	5.2	6.8	D	4.9	8.3	9.0	D	4.3	5.6
Business (number)	1,107	633	474	523	573	38	D	79	80	295	D	8	8
Teaching assistantships	15.1	15.0	15.2	9.4	20.2	D	0.0	13.9	D	9.8	D	25.0	0.0
Research assistantships or traineeships ^b	22.0	22.3	21.7	15.1	28.3	D	0.0	D	D	15.6	D	25.0	12.5
Fellowships, scholarships, or dissertation grants	31.3	31.6	31.0	25.4	37.0	18.4	D	41.8	D	26.8	D	12.5	0.0
Own resources	26.9	26.7	27.2	43.6	11.7	60.5	D	D	73.8	39.0	D	12.5	87.5
Employer or other sources	4.6	4.4	4.9	6.5	2.8	0.0	0.0	2.5	5.0	8.8	0.0	25.0	0.0
Education (number)	3,459	912	2,547	2,991	449	346	16	171	587	1,711	107	32	21
Teaching assistantships	11.2	12.8	10.6	9.8	20.5	10.1	0.0	14.0	5.5	10.4	15.9	15.6	9.5
Research assistantships or traineeships ^b	13.7	13.5	13.8	11.4	29.2	11.6	D	19.9	9.2	11.2	D	15.6	9.5
Fellowships, scholarships, or dissertation grants	13.4	13.5	13.4	12.2	21.4	16.8	31.3	17.0	15.7	9.6	9.3	9.4	14.3
Own resources	48.1	45.0	49.2	52.6	17.6	50.0	D	37.4	58.4	52.8	D	50.0	52.4
Employer or other sources	13.6	15.2	13.0	14.0	11.4	11.6	D	11.7	11.2	16.0	D	9.4	14.3
Humanities (number)	2,898	1,412	1,486	2,277	608	261	8	128	126	1,613	69	45	27
Teaching assistantships	41.4	38.5	44.2	40.1	46.1	43.3	D	32.0	D	41.5	42.0	31.1	40.7
Research assistantships or traineeships ^b	1.9	1.4	2.3	2.0	1.2	1.9	D	D	D	2.0	D	8.9	0.0
Fellowships, scholarships, or dissertation grants	35.6	36.1	35.1	33.3	44.1	32.6	D	47.7	40.5	31.6	D	26.7	37.0
Own resources	18.2	20.0	16.4	21.7	5.1	19.5	D	D	27.8	21.5	18.8	33.3	18.5
Employer or other sources	3.0	4.0	2.1	2.9	3.6	2.7	0.0	0.0	2.4	3.3	0.0	0.0	3.7

Table 4-1. Research doctorate recipients' primary source of financial support, by broad field of doctorate, sex, citizenship status, ethnicity, and race: 2025

(Percent)

Field and primary source of support	Total ^a	Sex		Citizenship status		U.S. citizens and permanent residents							
		Male	Female	U.S. citizen or permanent resident	Temporary visa holder	Hispanic or Latino	Not Hispanic or Latino						Ethnicity not reported
							American Indian or Alaska Native	Asian	Black or African American	White	More than one race	Other race or race not reported	
Visual and performing arts (number)	689	300	389	521	167	54	D	43	40	353	D	8	5
Teaching assistantships	37.7	36.7	38.6	39.3	32.9	D	0.0	41.9	50.0	D	41.2	50.0	40.0
Research assistantships or traineeships ^b	2.2	2.3	2.1	1.3	4.8	D	0.0	D	D	D	0.0	0.0	0.0
Fellowships, scholarships, or dissertation grants	39.9	37.7	41.6	37.2	47.9	48.1	D	41.9	D	36.3	35.3	37.5	0.0
Own resources	18.7	21.7	16.5	20.7	12.6	16.7	0.0	D	17.5	22.7	D	12.5	60.0
Employer or other sources	1.5	1.7	1.3	1.3	1.8	0.0	0.0	2.3	0.0	1.4	5.9	0.0	0.0
Other non-science and engineering (number)	1,881	716	1,165	1,338	536	107	D	106	231	813	D	23	11
Teaching assistantships	26.8	26.3	27.1	24.7	32.5	16.8	D	25.5	13.9	D	20.9	30.4	27.3
Research assistantships or traineeships ^b	15.2	15.4	15.0	12.0	22.8	13.1	D	19.8	7.8	D	14.0	8.7	0.0
Fellowships, scholarships, or dissertation grants	22.9	23.5	22.5	20.3	29.3	33.6	D	26.4	18.2	18.5	D	17.4	18.2
Own resources	28.1	25.8	29.5	35.4	10.1	29.0	0.0	25.5	53.7	32.1	34.9	43.5	54.5
Employer or other sources	7.1	9.1	5.8	7.7	5.4	7.5	0.0	2.8	6.5	8.9	11.6	0.0	0.0

- = not calculable. D = suppressed to avoid disclosure of confidential information.

^a Total includes doctorate recipients who did not report sex or citizenship status.

^b Research assistantships or traineeships includes research assistantships, other assistantships, traineeships, internships, or clinical residencies.

Note(s):
Hispanic or Latino may be of any race; race categories exclude Hispanic origin. Due to rounding, percentages may not sum to 100. The survey data collection for the field of study changed in 2021, which may affect the data comparisons across years. This table uses the new field taxonomy based on a modified version of the 2020 Classification of Instructional Programs (CIP) codes and does not match data that uses the trend field taxonomy. 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.

Table 4-2. Research doctorate recipients' sources of financial support, by broad field of doctorate and sex: 2025

(Number and percent)

Sex and financial resource	All fields	Science and engineering												Non-science and engineering					
		Total	Agricultural sciences and natural resources	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric, and ocean sciences	Health sciences	Mathematics and statistics	Multidisciplinary/ interdisciplinary sciences	Physical sciences	Psychology	Social sciences	Total	Business	Education	Humanities	Visual and performing arts	Other non-science and engineering
All doctorate recipients reporting source of support (number)	51,989	41,942	1,180	9,066	2,527	9,574	1,085	2,519	1,854	1,588	4,807	3,300	4,442	10,047	1,107	3,464	2,904	690	1,882
Fellowship or scholarship	66.8	66.7	66.3	71.7	56.7	62.6	75.3	59.3	65.3	66.1	63.7	62.3	80.1	67.5	66.4	50.3	84.6	87.4	66.4
Dissertation grant	18.5	16.3	19.2	15.6	7.5	8.8	17.8	23.9	8.0	15.4	9.8	23.8	38.8	27.9	16.0	15.8	42.1	43.2	29.6
Assistantship																			
Teaching	67.4	68.5	51.3	54.7	73.8	65.1	78.8	46.1	93.5	72.7	87.6	69.5	82.2	62.7	64.5	36.8	84.2	87.8	66.8
Research	69.0	74.9	83.6	66.8	84.8	86.2	87.3	53.3	64.6	78.7	89.5	61.9	64.7	44.3	61.9	37.2	39.5	36.1	57.4
Other	8.1	6.7	7.6	4.1	5.0	4.4	5.4	8.9	5.0	6.7	3.8	18.9	11.5	14.0	8.4	15.0	15.2	14.8	13.3
Traineeship	4.0	4.8	3.4	11.1	1.2	2.4	1.7	7.2	2.4	2.3	2.4	6.5	2.1	0.9	D	0.9	1.0	D	1.0
Internship or clinical residency	13.0	15.1	6.4	5.3	37.7	19.1	10.6	6.8	18.6	24.8	7.6	40.0	6.4	4.3	4.4	3.5	4.7	5.7	4.8
Loan (any source)	19.4	15.9	14.9	13.5	7.7	8.9	11.5	36.6	6.7	14.1	8.3	40.6	24.1	34.2	19.9	45.2	27.4	29.7	34.3
Personal sources																			
Savings	54.7	52.4	54.7	53.9	47.4	45.7	51.0	62.8	47.0	51.7	43.8	70.3	59.5	63.9	64.2	67.1	60.0	67.2	62.6
Other earnings during graduate school	30.2	25.4	28.8	24.2	18.6	16.3	27.5	47.0	19.0	23.5	14.6	44.3	38.9	49.9	27.9	58.4	48.8	60.4	45.3
Spouse's, partner's, or family's earnings or savings	41.0	39.8	37.3	43.4	32.3	34.1	36.9	45.6	32.6	39.7	33.0	57.3	44.3	46.4	46.4	45.7	46.8	49.4	45.7
Employer reimbursement or assistance	11.2	9.5	12.7	8.2	11.3	8.5	7.7	20.7	8.3	11.3	7.0	8.5	10.0	18.3	14.0	30.3	10.2	7.1	15.4
Foreign (non-U.S.) support	4.7	4.6	6.1	3.2	5.9	5.7	5.0	5.2	4.4	7.2	2.9	2.2	5.9	5.5	6.1	3.8	5.8	8.3	6.9
Other	0.7	0.6	0.7	0.6	0.4	0.4	0.4	0.9	0.4	0.7	0.4	0.9	0.8	1.1	1.0	1.3	1.2	0.9	1.1
Male doctorate recipients reporting source of support (number)	26,661	22,686	545	3,923	1,888	6,827	559	737	1,284	952	3,138	768	2,065	3,975	633	912	1,414	300	716
Fellowship or scholarship	64.2	63.5	62.8	68.9	54.4	59.5	73.3	57.1	64.6	63.4	60.6	58.2	79.7	68.5	66.0	46.9	82.8	84.3	63.4
Dissertation grant	14.9	12.8	16.7	14.0	6.4	8.2	18.6	15.6	7.9	12.0	9.1	20.2	34.7	26.6	16.3	13.7	38.3	35.3	25.3
Assistantship																			
Teaching	69.4	70.2	46.6	54.4	72.9	64.8	76.9	49.0	93.7	73.2	87.6	70.4	84.6	65.3	64.1	36.8	80.3	86.0	64.1

Table 4-2. Research doctorate recipients' sources of financial support, by broad field of doctorate and sex: 2025

(Number and percent)

[illegible]

Table 4-2. Research doctorate recipients' sources of financial support, by broad field of doctorate and sex: 2025

(Number and percent)

Sex and financial resource	All fields	Science and engineering												Non-science and engineering					
		Total	Agricultural sciences and natural resources	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric, and ocean sciences	Health sciences	Mathematics and statistics	Multidisciplinary/interdisciplinary sciences	Physical sciences	Psychology	Social sciences	Total	Business	Education	Humanities	Visual and performing arts	Other non-science and engineering
Savings	58.5	56.5	54.6	55.7	47.6	47.5	54.0	64.2	45.8	56.3	46.0	71.3	60.8	64.8	66.9	66.7	61.4	68.7	62.5
Other earnings during graduate school	35.3	30.1	30.4	25.6	19.4	16.4	29.8	49.7	18.9	27.4	15.3	44.5	42.7	51.5	27.0	58.2	49.9	61.3	45.5
Spouse's, partner's, or family's earnings or savings	46.8	46.2	42.2	47.4	37.9	38.7	41.6	48.7	37.7	46.5	36.0	60.2	49.0	48.8	49.2	47.9	48.1	52.6	50.0
Employer reimbursement or assistance	11.9	9.7	10.9	7.8	8.1	7.2	8.4	22.1	9.8	12.7	6.5	8.2	10.6	18.9	13.9	29.8	8.7	5.6	14.7
Foreign (non-U.S.) support	4.0	3.8	5.0	3.1	6.9	4.0	4.6	4.6	4.4	6.9	2.6	2.3	4.6	4.8	5.3	3.0	5.3	10.5	5.8
Other	0.8	0.6	0.5	0.6	0.3	0.3	0.4	0.8	0.5	0.9	0.5	0.9	0.9	1.2	0.2	1.5	1.1	0.5	1.3

D = suppressed to avoid disclosure of confidential information.

Note(s)

In this table, a doctorate recipient counts once in each source category from which they received support. Doctorate recipients may indicate multiple sources of support; thus, percentages sum to more than 100. The survey data collection for the field of study changed in 2021, which may affect the data comparisons across years. This table uses the new field taxonomy based on a modified version of the 2020 Classification of Instructional Programs (CIP) codes and does not match data that uses the trend field taxonomy. 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.

Table 4-3. Research doctorate recipients' sources of financial support, by sex and broad field of doctorate: 2025

(Percent)

[illegible]

Table 4-3. Research doctorate recipients' sources of financial support, by sex and broad field of doctorate: 2025

(Percent)

Sex and financial resource	All fields (number)	All fields (percent)	Science and engineering												Non-science and engineering					
			Total	Agricultural sciences and natural resources	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric, and ocean sciences	Health sciences	Mathematics and statistics	Multidisciplinary/interdisciplinary sciences	Physical sciences	Psychology	Social sciences	Total	Business	Education	Humanities	Visual and performing arts	Other non-science and engineering
Teaching	18,514	100.0	86.0	1.4	11.5	7.4	23.9	2.3	1.9	6.5	3.8	14.8	2.9	9.4	14.0	2.2	1.8	6.1	1.4	2.5
Research	19,424	100.0	91.2	2.4	13.6	8.3	30.4	2.5	2.2	4.3	4.0	14.5	2.4	6.7	8.8	2.1	1.7	2.6	0.5	1.9
Other	1,766	100.0	72.2	2.4	8.8	4.9	16.5	1.6	3.9	3.6	3.0	7.0	8.1	12.3	27.8	2.9	7.0	10.1	2.4	5.4
Traineeship	796	100.0	96.1	1.6	48.6	2.8	14.3	0.6	5.9	3.1	2.3	7.8	5.8	3.3	3.9	D	0.9	2.0	D	D
Internship or clinical residency	3,704	100.0	95.8	0.9	5.2	19.9	36.5	1.5	1.9	5.9	7.4	6.0	6.9	3.7	4.2	0.8	0.9	1.5	0.3	0.7
Loan (any source)	4,171	100.0	69.9	1.8	13.4	3.6	15.1	1.6	5.1	2.2	2.6	6.4	7.4	10.7	30.1	3.2	10.0	8.7	2.4	5.8
Personal sources																				
Savings	13,597	100.0	81.7	2.2	14.8	6.6	22.6	2.0	3.2	4.5	3.4	9.8	3.8	8.8	18.3	2.9	4.6	6.1	1.4	3.3
Other earnings during graduate school	6,748	100.0	72.0	2.2	13.1	5.1	16.4	2.1	4.4	3.6	2.9	6.6	5.0	10.5	28.0	2.7	8.0	10.0	2.6	4.8
Spouse's, partner's, or family's earnings or savings	9,478	100.0	82.1	1.8	15.8	6.1	23.2	1.9	3.0	4.1	3.5	10.4	3.9	8.5	17.9	3.0	3.8	6.8	1.4	2.9
Employer reimbursement or assistance	2,815	100.0	75.4	2.9	12.0	8.3	21.9	1.4	4.5	3.4	3.5	8.1	2.5	6.9	24.6	3.2	10.3	5.9	1.0	4.2
Foreign (non-U.S.) support	1,445	100.0	81.8	2.8	9.0	7.3	30.3	2.1	3.4	3.9	4.8	6.4	1.2	10.5	18.2	3.0	3.7	6.2	1.1	4.2
Other	168	100.0	74.4	3.0	16.7	5.4	18.5	1.2	5.4	3.0	3.0	6.0	4.2	8.3	25.6	6.0	3.6	10.7	2.4	3.0
Female doctorate recipients reporting source of support	25,328	100.0	76.0	2.5	20.3	2.5	10.8	2.1	7.0	2.3	2.5	6.6	10.0	9.4	24.0	1.9	10.1	5.9	1.5	4.6
Fellowship or scholarship	17,621	100.0	77.0	2.5	21.5	2.3	11.0	2.3	6.1	2.2	2.5	6.6	9.1	10.9	23.0	1.8	7.5	7.3	2.0	4.5
Dissertation grant	5,671	100.0	69.2	2.4	15.2	1.2	5.0	1.6	8.6	0.8	2.3	3.3	11.1	17.8	30.8	1.3	7.4	12.0	3.4	6.6
Assistantship																				
Teaching	16,504	100.0	77.6	2.1	17.1	3.0	11.0	2.6	4.8	3.2	2.8	8.9	10.6	11.5	22.4	1.9	5.7	7.9	2.1	4.8
Research	16,429	100.0	83.3	3.2	20.8	3.2	14.3	2.8	5.5	2.3	2.9	9.0	9.6	9.6	16.7	1.7	5.8	3.9	0.9	4.3
Other	2,450	100.0	62.7	2.0	8.9	1.6	5.3	1.2	6.3	1.2	2.2	2.5	19.6	12.0	37.3	1.7	16.1	10.7	2.4	6.3

Table 4-3. Research doctorate recipients' sources of financial support, by sex and broad field of doctorate: 2025

(Percent)

Sex and financial resource	All fields (number)	All fields (percent)	Science and engineering												Non-science and engineering					
			Total	Agricultural sciences and natural resources	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric, and ocean sciences	Health sciences	Mathematics and statistics	Multidisciplinary/interdisciplinary sciences	Physical sciences	Psychology	Social sciences	Total	Business	Education	Humanities	Visual and performing arts	Other non-science and engineering
Traineeship	1,297	100.0	95.8	2.1	47.8	0.7	8.8	1.0	10.4	1.5	1.5	3.9	13.0	5.1	4.2	D	1.9	1.0	D	D
Internship or clinical residency	3,066	100.0	90.9	1.4	9.5	7.0	15.6	2.0	3.3	4.1	3.9	4.6	34.6	4.8	9.1	0.7	2.8	2.6	0.9	2.1
Loan (any source)	5,912	100.0	63.2	1.7	11.2	0.8	3.7	1.0	12.0	0.5	2.0	2.2	17.4	10.6	36.8	1.5	19.5	7.3	1.8	6.8
Personal sources																				
Savings	14,819	100.0	73.5	2.3	19.3	2.1	8.8	1.9	7.7	1.8	2.4	5.2	12.2	9.8	26.5	2.1	11.5	6.2	1.8	4.9
Other earnings during graduate school	8,931	100.0	65.0	2.2	14.7	1.4	5.0	1.8	9.9	1.2	1.9	2.9	12.6	11.4	35.0	1.4	16.6	8.3	2.7	5.9
Spouse's, partner's, or family's earnings or savings	11,861	100.0	75.0	2.3	20.6	2.0	9.0	1.8	7.3	1.8	2.5	5.1	12.8	9.8	25.0	2.0	10.3	6.0	1.7	4.9
Employer reimbursement or assistance	3,012	100.0	61.9	2.3	13.3	1.7	6.6	1.5	13.1	1.9	2.7	3.6	6.9	8.3	38.1	2.2	25.3	4.3	0.7	5.7
Foreign (non-U.S.) support	1,022	100.0	71.7	3.1	15.9	4.3	10.7	2.3	8.0	2.4	4.3	4.3	5.6	10.8	28.3	2.4	7.4	7.7	4.0	6.7
Other	190	100.0	62.1	1.6	15.3	1.1	3.7	1.1	7.4	1.6	3.2	4.2	12.1	11.1	37.9	0.5	20.0	8.4	1.1	7.9

D = suppressed to avoid disclosure of confidential information.

Note(s):
In this table, a doctorate recipient counts once in each source category from which they received support. Doctorate recipients may indicate multiple sources of support; thus, percentages sum to more than 100. The survey data collection for the field of study changed in 2021, which may affect the data comparisons across years. This table uses the new field taxonomy based on a modified version of the 2020 Classification of Instructional Programs (CIP) codes and does not match data that uses the trend field taxonomy. 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.

Table 4-4. Education-related debt of research doctorate recipients, by broad field of doctorate: 2025

(Median debt, number, and percent)

			Science and engineering																				Non-science and engineering																
Debt level	All fields		Total		Agricultural sciences and natural resources		Biological and biomedical sciences		Computer and information sciences		Engineering		Geosciences, atmospheric, and ocean sciences		Health sciences		Mathematics and statistics		Multidisciplinary/ interdisciplinary sciences		Physical sciences		Psychology		Social sciences		Total		Business		Education		Humanities		Visual and performing arts		Other non-science and engineering		
Cumulative debt																																							
All reporting education-related debt (number)	52,503		42,346		1,189		9,192		2,536		9,687		1,097		2,538		1,868		1,592		4,845		3,338		4,464		10,157		1,121		3,507		2,929		695		1,905		
Median debt (dollars)	35,000		35,000		30,000		25,000		25,000		25,000		25,000		70,000		25,000		25,000		25,000		70,000		45,000		60,000		55,000		75,000		45,000		50,000		70,000		
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	
No debt	33,268	63.4	27,777	65.6	788	66.3	5,830	63.4	2,028	80.0	7,164	74.0	696	63.4	1,215	47.9	1,447	77.5	1,113	69.9	3,330	68.7	1,453	43.5	2,713	60.8	5,491	54.1	811	72.3	1,633	46.6	1,654	56.5	387	55.7	1,006	52.8	
\$10,000 or less	3,654	7.0	3,004	7.1	95	8.0	700	7.6	144	5.7	703	7.3	94	8.6	142	5.6	106	5.7	115	7.2	358	7.4	197	5.9	350	7.8	650	6.4	58	5.2	204	5.8	211	7.2	47	6.8	130	6.8	
\$10,001–\$20,000	2,667	5.1	2,204	5.2	59	5.0	587	6.4	85	3.4	399	4.1	84	7.7	118	4.6	97	5.2	81	5.1	304	6.3	180	5.4	210	4.7	463	4.6	31	2.8	155	4.4	156	5.3	39	5.6	82	4.3	
\$20,001–\$30,000	2,410	4.6	1,989	4.7	51	4.3	529	5.8	74	2.9	388	4.0	52	4.7	124	4.9	71	3.8	66	4.1	270	5.6	185	5.5	179	4.0	421	4.1	25	2.2	148	4.2	144	4.9	29	4.2	75	3.9	
\$30,001–\$40,000	1,517	2.9	1,196	2.8	31	2.6	288	3.1	36	1.4	242	2.5	31	2.8	85	3.3	38	2.0	33	2.1	173	3.6	127	3.8	112	2.5	321	3.2	20	1.8	104	3.0	109	3.7	28	4.0	60	3.1	
\$40,001–\$50,000	1,120	2.1	852	2.0	30	2.5	208	2.3	20	0.8	156	1.6	30	2.7	65	2.6	29	1.6	31	1.9	79	1.6	103	3.1	101	2.3	268	2.6	16	1.4	122	3.5	80	2.7	14	2.0	36	1.9	
\$50,001–\$60,000	928	1.8	698	1.6	20	1.7	170	1.8	24	0.9	126	1.3	30	2.7	73	2.9	15	0.8	13	0.8	54	1.1	91	2.7	82	1.8	230	2.3	13	1.2	94	2.7	65	2.2	17	2.4	41	2.2	
\$60,001–\$70,000	791	1.5	573	1.4	17	1.4	129	1.4	17	0.7	82	0.8	17	1.5	68	2.7	12	0.6	21	1.3	46	0.9	79	2.4	85	1.9	218	2.1	13	1.2	78	2.2	57	1.9	25	3.6	45	2.4	
\$70,001–\$80,000	674	1.3	480	1.1	13	1.1	112	1.2	15	0.6	70	0.7	9	0.8	57	2.2	7	0.4	19	1.2	42	0.9	72	2.2	64	1.4	194	1.9	11	1.0	95	2.7	45	1.5	7	1.0	36	1.9	
\$80,001–\$90,000	741	1.4	527	1.2	20	1.7	137	1.5	14	0.6	58	0.6	13	1.2	65	2.6	9	0.5	17	1.1	39	0.8	79	2.4	76	1.7	214	2.1	7	0.6	103	2.9	51	1.7	13	1.9	40	2.1	
\$90,001–\$100,000	826	1.6	595	1.4	15	1.3	144	1.6	19	0.7	91	0.9	10	0.9	65	2.6	11	0.6	13	0.8	58	1.2	108	3.2	61	1.4	231	2.3	13	1.2	100	2.9	59	2.0	15	2.2	44	2.3	
\$100,001–\$120,000	861	1.6	541	1.3	10	0.8	93	1.0	17	0.7	56	0.6	D	D	108	4.3	D	D	13	0.8	30	0.6	116	3.5	81	1.8	320	3.2	17	1.5	154	4.4	70	2.4	21	3.0	58	3.0	
\$120,001–\$140,000	635	1.2	395	0.9	D	D	72	0.8	8	0.3	44	0.5	8	0.7	73	2.9	D	D	12	0.8	16	0.3	85	2.5	64	1.4	240	2.4	13	1.2	106	3.0	54	1.8	11	1.6	56	2.9	
\$140,001–\$160,000	539	1.0	339	0.8	D	D	53	0.6	6	0.2	35	0.4	D	D	61	2.4	8	0.4	12	0.8	12	0.2	84	2.5	55	1.2	200	2.0	10	0.9	95	2.7	42	1.4	13	1.9	40	2.1	
\$160,001 or more	1,872	3.6	1,176	2.8	22	1.9	140	1.5	29	1.1	73	0.8	6	0.5	219	8.6	10	0.5	33	2.1	34	0.7	379	11.4	231	5.2	696	6.9	63	5.6	316	9.0	132	4.5	29	4.2	156	8.2	
Graduate debt																																							
All reporting graduate debt (number)	52,420		42,278		1,188		9,180		2,526		9,672		1,097		2,535		1,862		1,587		4,841		3,333		4,457		10,142		1,120		3,501		2,926		693		1,902		
Median debt (dollars)	35,000		35,000		25,000		25,000		15,000		15,000		15,000		55,000		15,000		25,000		15,000		65,000		45,000		55,000		45,000		55,000		35,000		35,000		55,000		
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	
No debt	39,151	74.7	32,930	77.9	917	77.2	7,457	81.2	2,169	85.9	8,064	83.4	898	81.9	1,408	55.5	1,639	88.0	1,250	78.8	4,221	87.2	1,791	53.7	3,116	69.9	6,221	61.3	849	75.8	1,825	52.1	1,982	67.7	452	65.2	1,113	58.5	
\$10,000 or less	3,067	5.9	2,436	5.8	85	7.2	496	5.4	117	4.6	599	6.2	75	6.8	152	6.0	84	4.5	99	6.2	253	5.2	197	5.9	279	6.3	631	6.2	54	4.8	207	5.9	197	6.7	46	6.6	127	6.7	
\$10,001–\$20,000	1,660	3.2	1,263	3.0	37	3.1	258	2.8	64	2.5	280	2.9	31	2.8	91	3.6	36	1.9	57	3.6	93	1.9	145	4.4	171	3.8	397	3.9	22	2.0	146	4.2	110	3.8	33	4.8	86	4.5	
\$20,001–\$30,000	1,335	2.5	963	2.3	29	2.4	189	2.1	39	1.5	179	1.9	22	2.0	104	4.1	31	1.7	40	2.5	77	1.6	135	4.1	118	2.6	372	3.7	19	1.7	154	4.4	94	3.2	34	4.9	71	3.7	
\$30,001–\$40,000	938	1.8	647	1.5	20	1.7	129	1.4	28	1.1	122	1.3	8	0.7	84	3.3	14	0.8	20	1.3	37	0.8	107	3.2	78	1.8	291	2.9	22	2.0	122	3.5	77	2.6	14	2.0	56	2.9	
\$40,001–\$50,000	799	1.5	541	1.3	18	1.5	105	1.1	17	0.7	80	0.8	12	1.1	75	3.0	14	0.8	19	1.2	29	0.6	87	2.6	85	1.9	258	2.5	19	1.7	134	3.8	55	1.9	11	1.6	39	2.1	
\$50,001–\$60,000	759	1.4	506	1.2	8	0.7	95	1.0	18	0.7	72	0.7	17	1.5	78	3.1	8	0.4	12	0.8	25	0.5	89	2.7	84	1.9	253	2.5	12	1.1	117	3.3	65	2.2	15	2.2	44	2.3	
\$60,001–\$70,000	627	1.2	413	1.0	10	0.8	75	0.8	10	0.4	59	0.6	6	0.5	69	2.7	8	0.4	18	1.1	15	0.3	79	2.4	64	1.4	214	2.1	11	1.0	98	2.8	50	1.7	13	1.9	42	2.2	
\$70,001–\$80																																							

Table 4-4. Education-related debt of research doctorate recipients, by broad field of doctorate: 2025

(Median debt, number, and percent)

Debt level	All fields		Science and engineering																								Non-science and engineering											
			Total		Agricultural sciences and natural resources		Biological and biomedical sciences		Computer and information sciences		Engineering		Geosciences, atmospheric, and ocean sciences		Health sciences		Mathematics and statistics		Multidisciplinary/interdisciplinary sciences		Physical sciences		Psychology		Social sciences		Total		Business		Education		Humanities		Visual and performing arts		Other non-science and engineering	
\$100,001–\$120,000	681	1.3	423	1.0	8	0.7	65	0.7	D	D	34	0.4	D	D	96	3.8	6	0.3	9	0.6	16	0.3	97	2.9	72	1.6	258	2.5	18	1.6	123	3.5	49	1.7	14	2.0	54	2.8
\$120,001–\$140,000	421	0.8	265	0.6	6	0.5	37	0.4	10	0.4	20	0.2	D	D	48	1.9	D	D	5	0.3	12	0.2	73	2.2	48	1.1	156	1.5	12	1.1	71	2.0	34	1.2	6	0.9	33	1.7
\$140,001–\$160,000	465	0.9	284	0.7	9	0.8	40	0.4	D	D	16	0.2	5	0.5	48	1.9	D	D	12	0.8	12	0.2	85	2.6	51	1.1	181	1.8	15	1.3	83	2.4	38	1.3	8	1.2	37	1.9
\$160,001 or more	1,130	2.2	726	1.7	16	1.3	84	0.9	D	D	42	0.4	D	D	130	5.1	6	0.3	22	1.4	12	0.2	262	7.9	137	3.1	404	4.0	42	3.8	170	4.9	82	2.8	13	1.9	97	5.1
Undergraduate debt																																						
All reporting undergraduate debt (number)	52,433		42,294		1,185		9,183		2,534		9,677		1,096		2,533		1,867		1,590		4,840		3,331		4,458		10,139		1,120		3,501		2,923		694		1,901	
Median debt (dollars)	25,000		25,000		25,000		25,000		25,000		25,000		25,000		35,000		15,000		25,000		25,000		25,000		25,000		25,000		25,000		35,000		25,000		25,000		35,000	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
No debt	38,830	74.1	31,774	75.1	925	78.1	6,474	70.5	2,224	87.8	7,992	82.6	762	69.5	1,693	66.8	1,555	83.3	1,292	81.3	3,574	73.8	2,019	60.6	3,264	73.2	7,056	69.6	952	85.0	2,280	65.1	2,015	68.9	478	68.9	1,331	70.0
\$10,000 or less	2,953	5.6	2,358	5.6	64	5.4	597	6.5	94	3.7	468	4.8	81	7.4	129	5.1	74	4.0	69	4.3	261	5.4	228	6.8	293	6.6	595	5.9	42	3.8	218	6.2	190	6.5	43	6.2	102	5.4
\$10,001–\$20,000	2,540	4.8	2,073	4.9	53	4.5	587	6.4	58	2.3	294	3.0	85	7.8	125	4.9	86	4.6	59	3.7	298	6.2	223	6.7	205	4.6	467	4.6	26	2.3	165	4.7	162	5.5	31	4.5	83	4.4
\$20,001–\$30,000	2,509	4.8	2,005	4.7	37	3.1	555	6.0	51	2.0	343	3.5	56	5.1	133	5.3	64	3.4	47	3.0	273	5.6	258	7.7	188	4.2	504	5.0	31	2.8	184	5.3	162	5.5	37	5.3	90	4.7
\$30,001–\$40,000	1,596	3.0	1,224	2.9	38	3.2	293	3.2	28	1.1	202	2.1	37	3.4	100	3.9	41	2.2	36	2.3	168	3.5	158	4.7	123	2.8	372	3.7	14	1.3	141	4.0	120	4.1	28	4.0	69	3.6
\$40,001–\$50,000	968	1.8	703	1.7	26	2.2	178	1.9	13	0.5	88	0.9	20	1.8	71	2.8	18	1.0	26	1.6	63	1.3	108	3.2	92	2.1	265	2.6	13	1.2	114	3.3	70	2.4	19	2.7	49	2.6
\$50,001–\$60,000	791	1.5	577	1.4	15	1.3	143	1.6	16	0.6	80	0.8	19	1.7	74	2.9	7	0.4	12	0.8	56	1.2	81	2.4	74	1.7	214	2.1	5	0.4	90	2.6	60	2.1	14	2.0	45	2.4
\$60,001–\$70,000	509	1.0	363	0.9	D	D	82	0.9	D	D	45	0.5	16	1.5	42	1.7	D	D	13	0.8	34	0.7	49	1.5	60	1.3	146	1.4	D	D	D	D	47	1.6	14	2.0	25	1.3
\$70,001–\$80,000	343	0.7	254	0.6	D	D	84	0.9	D	D	29	0.3	5	0.5	25	1.0	D	D	8	0.5	27	0.6	29	0.9	36	0.8	89	0.9	D	D	D	D	15	0.5	6	0.9	26	1.4
\$80,001–\$90,000	469	0.9	334	0.8	7	0.6	80	0.9	9	0.4	44	0.5	9	0.8	38	1.5	5	0.3	13	0.8	28	0.6	62	1.9	39	0.9	135	1.3	12	1.1	59	1.7	25	0.9	5	0.7	34	1.8
\$90,001 or more	925	1.8	629	1.5	13	1.1	110	1.2	25	1.0	92	1.0	6	0.5	103	4.1	7	0.4	15	0.9	58	1.2	116	3.5	84	1.9	296	2.9	19	1.7	154	4.4	57	2.0	19	2.7	47	2.5

D = suppressed to avoid disclosure of confidential information.

Note(s):
Median debt is the median debt of doctorate recipients with debt (debt > 0). Due to rounding, percentages may not sum to 100. Beginning in 2021, a modified version of the 2020 Classification of Instructional Programs (CIP) codes was used in the survey data collection, and new broad, major, and detailed fields are used in tables reporting data from 2021 to the present; see the field list in [table A-4](#). Therefore, the field of doctorate data prior to 2021 may not be comparable to subsequent years. For more information about the 2021 taxonomy change, see the "[Technical Notes](#)."

Source(s):
National Center for Science and Engineering Statistics, Survey of Earned Doctorates.

Table 4-5. Education-related debt of research doctorate recipients, by sex, citizenship status, ethnicity, and race: 2025

(Median debt, number, and percent)

Debt level	Sex				Citizenship status				U.S. citizens and permanent residents															
									Not Hispanic or Latino												Ethnicity not reported			
	Male		Female		U.S. citizen or permanent resident		Temporary visa holder		Hispanic or Latino		American Indian or Alaska Native		Asian		Black or African American		White		More than one race				Other race or race not reported	
Cumulative debt																								
All reporting education-related debt (number)	26,962		25,541		34,115		18,082		3,571		92		4,035		2,829		21,456		1,386		495		251	
Median debt (dollars)	30,000		45,000		45,000		15,000		40,000		72,500		25,000		95,000		40,000		45,000		45,000		45,000	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
No debt	17,852	66.2	15,416	60.4	18,337	53.8	14,725	81.4	1,543	43.2	26	28.3	2,911	72.1	747	26.4	11,900	55.5	770	55.6	288	58.2	152	60.6
\$10,000 or less	1,970	7.3	1,684	6.6	2,282	6.7	1,352	7.5	333	9.3	5	5.4	266	6.6	156	5.5	1,376	6.4	95	6.9	38	7.7	13	5.2
\$10,001–\$20,000	1,412	5.2	1,255	4.9	2,150	6.3	508	2.8	274	7.7	D	D	D	D	137	4.8	1,385	6.5	90	6.5	32	6.5	16	6.4
\$20,001–\$30,000	1,191	4.4	1,219	4.8	2,023	5.9	377	2.1	250	7.0	5	5.4	144	3.6	151	5.3	1,382	6.4	58	4.2	23	4.6	10	4.0
\$30,001–\$40,000	758	2.8	759	3.0	1,292	3.8	216	1.2	177	5.0	10	10.9	90	2.2	109	3.9	826	3.8	61	4.4	10	2.0	9	3.6
\$40,001–\$50,000	551	2.0	569	2.2	948	2.8	169	0.9	146	4.1	6	6.5	63	1.6	99	3.5	586	2.7	31	2.2	14	2.8	3	1.2
\$50,001–\$60,000	431	1.6	497	1.9	777	2.3	143	0.8	98	2.7	D	D	D	D	90	3.2	509	2.4	29	2.1	10	2.0	4	1.6
\$60,001–\$70,000	364	1.4	427	1.7	684	2.0	102	0.6	83	2.3	D	D	D	D	85	3.0	446	2.1	27	1.9	4	0.8	4	1.6
\$70,001–\$80,000	276	1.0	398	1.6	596	1.7	75	0.4	69	1.9	6	6.5	37	0.9	94	3.3	357	1.7	20	1.4	8	1.6	5	2.0
\$80,001–\$90,000	304	1.1	437	1.7	663	1.9	76	0.4	92	2.6	D	D	D	D	96	3.4	412	1.9	26	1.9	2	0.4	2	0.8
\$90,001–\$100,000	361	1.3	465	1.8	744	2.2	79	0.4	94	2.6	D	D	D	D	124	4.4	440	2.1	28	2.0	8	1.6	5	2.0
\$100,001–\$120,000	327	1.2	534	2.1	801	2.3	56	0.3	99	2.8	5	5.4	44	1.1	169	6.0	436	2.0	34	2.5	8	1.6	6	2.4
\$120,001–\$140,000	233	0.9	402	1.6	582	1.7	48	0.3	59	1.7	D	D	D	D	125	4.4	337	1.6	18	1.3	10	2.0	7	2.8
\$140,001–\$160,000	220	0.8	319	1.2	491	1.4	45	0.2	52	1.5	D	D	D	D	117	4.1	264	1.2	27	1.9	6	1.2	0	0.0
\$160,001 or more	712	2.6	1,160	4.5	1,745	5.1	111	0.6	202	5.7	14	15.2	78	1.9	530	18.7	800	3.7	72	5.2	34	6.9	15	6.0
Graduate debt																								
All reporting graduate debt (number)	26,920		25,500		34,079		18,039		3,569		92		4,030		2,823		21,444		1,384		490		247	
Median debt (dollars)	25,000		45,000		45,000		15,000		35,000		55,000		25,000		75,000		45,000		45,000		35,000		55,000	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
No debt	20,881	77.6	18,270	71.6	23,703	69.6	15,223	84.4	2,173	60.9	35	38.0	3,339	82.9	1,109	39.3	15,561	72.6	973	70.3	336	68.6	177	71.7
\$10,000 or less	1,674	6.2	1,393	5.5	1,816	5.3	1,239	6.9	283	7.9	7	7.6	182	4.5	159	5.6	1,068	5.0	80	5.8	28	5.7	9	3.6
\$10,001–\$20,000	853	3.2	807	3.2	1,185	3.5	460	2.6	158	4.4	7	7.6	98	2.4	105	3.7	734	3.4	50	3.6	25	5.1	8	3.2
\$20,001–\$30,000	621	2.3	714	2.8	1,017	3.0	309	1.7	154	4.3	6	6.5	68	1.7	131	4.6	607	2.8	28	2.0	20	4.1	3	1.2
\$30,001–\$40,000	418	1.6	520	2.0	743	2.2	190	1.1	119	3.3	D	D	47	1.2	85	3.0	442	2.1	27	2.0	D	D	10	4.0
\$40,001–\$50,000	356	1.3	443	1.7	677	2.0	120	0.7	97	2.7	D	D	27	0.7	107	3.8	402	1.9	30	2.2	D	D	4	1.6
\$50,001–\$60,000	313	1.2	446	1.7	653	1.9	102	0.6	83	2.3	D	D	36	0.9	109	3.9	390	1.8	19	1.4	D	D	5	2.0
\$60,001–\$70,000	255	0.9	372	1.5	545	1.6	79	0.4	57	1.6	D	D	40	1.0	102	3.6	310	1.4	27	2.0	D	D	4	1.6
\$70,001–\$80,000	177	0.7	303	1.2	432	1.3	46	0.3	46	1.3	6	6.5	26	0.6	91	3.2	236	1.1	20	1.4	4	0.8	3	1.2
\$80,001–\$90,000	188	0.7	279	1.1	417	1.2	47	0.3	55	1.5	D	D	D	D	77	2.7	242	1.1	17	1.2	2	0.4	1	0.4

Table 4-5. Education-related debt of research doctorate recipients, by sex, citizenship status, ethnicity, and race: 2025

(Median debt, number, and percent)

Debt level	Sex				Citizenship status				U.S. citizens and permanent residents															
									Hispanic or Latino	Not Hispanic or Latino										Ethnicity not reported				
	Male		Female		U.S. citizen or permanent resident		Temporary visa holder			American Indian or Alaska Native		Asian		Black or African American		White		More than one race				Other race or race not reported		
\$90,001–\$100,000	176	0.7	264	1.0	393	1.2	46	0.3	47	1.3	D	D	D	D	92	3.3	202	0.9	13	0.9	5	1.0	4	1.6
\$100,001–\$120,000	246	0.9	435	1.7	622	1.8	56	0.3	79	2.2	D	D	D	D	141	5.0	337	1.6	26	1.9	3	0.6	4	1.6
\$120,001–\$140,000	157	0.6	264	1.0	394	1.2	23	0.1	41	1.1	D	D	D	D	90	3.2	215	1.0	20	1.4	10	2.0	1	0.4
\$140,001–\$160,000	192	0.7	273	1.1	431	1.3	32	0.2	50	1.4	D	D	D	D	112	4.0	218	1.0	20	1.4	6	1.2	3	1.2
\$160,001 or more	413	1.5	717	2.8	1,051	3.1	67	0.4	127	3.6	8	8.7	53	1.3	313	11.1	480	2.2	34	2.5	25	5.1	11	4.5
Undergraduate debt																								
All reporting undergraduate debt (number)	26,932		25,501		34,075		18,057		3,568		92		4,030		2,819		21,440		1,384		494		248	
Median debt (dollars)	25,000		25,000		25,000		15,000		25,000		35,000		15,000		35,000		25,000		25,000		25,000		25,000	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
No debt	20,536	76.3	18,294	71.7	22,114	64.9	16,482	91.3	2,035	57.0	40	43.5	3,235	80.3	1,219	43.2	14,153	66.0	904	65.3	351	71.1	177	71.4
\$10,000 or less	1,462	5.4	1,491	5.8	2,235	6.6	701	3.9	340	9.5	6	6.5	228	5.7	224	7.9	1,299	6.1	92	6.6	32	6.5	14	5.6
\$10,001–\$20,000	1,246	4.6	1,294	5.1	2,260	6.6	271	1.5	306	8.6	9	9.8	193	4.8	178	6.3	1,445	6.7	91	6.6	22	4.5	16	6.5
\$20,001–\$30,000	1,170	4.3	1,339	5.3	2,303	6.8	195	1.1	286	8.0	8	8.7	143	3.5	219	7.8	1,540	7.2	72	5.2	24	4.9	11	4.4
\$30,001–\$40,000	786	2.9	810	3.2	1,477	4.3	114	0.6	186	5.2	11	12.0	79	2.0	180	6.4	930	4.3	69	5.0	14	2.8	8	3.2
\$40,001–\$50,000	436	1.6	532	2.1	894	2.6	71	0.4	124	3.5	D	D	D	D	139	4.9	530	2.5	38	2.7	10	2.0	8	3.2
\$50,001–\$60,000	349	1.3	442	1.7	733	2.2	55	0.3	83	2.3	5	5.4	27	0.7	143	5.1	420	2.0	37	2.7	13	2.6	5	2.0
\$60,001–\$70,000	210	0.8	299	1.2	465	1.4	40	0.2	49	1.4	D	D	D	D	110	3.9	266	1.2	14	1.0	4	0.8	3	1.2
\$70,001–\$80,000	135	0.5	208	0.8	326	1.0	15	0.1	26	0.7	D	D	D	D	70	2.5	204	1.0	13	0.9	3	0.6	0	0.0
\$80,001–\$90,000	211	0.8	258	1.0	419	1.2	49	0.3	41	1.1	D	D	D	D	99	3.5	233	1.1	17	1.2	5	1.0	3	1.2
\$90,001 or more	391	1.5	534	2.1	849	2.5	64	0.4	92	2.6	D	D	D	D	238	8.4	420	2.0	37	2.7	16	3.2	3	1.2

D = suppressed to avoid disclosure of confidential information.

Note(s):
Median debt is the median debt of doctorate recipients with debt (debt > 0). Hispanic or Latino may be of any race; race categories exclude Hispanic origin. Due to rounding, percentages may not sum to 100.

Source(s):
National Center for Science and Engineering Statistics, Survey of Earned Doctorates.

Table 4-6. U.S. citizen and permanent resident research doctorate recipients with graduate education-related debt, by ethnicity, race, and broad field of doctorate: 2025

(Number and percent)

[illegible]

Table 4-6. U.S. citizen and permanent resident research doctorate recipients with graduate education-related debt, by ethnicity, race, and broad field of doctorate: 2025

(Number and percent)

Ethnicity, race, and debt level	All fields	Science and engineering												Non-science and engineering					
		Total	Agricultural sciences and natural resources	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric, and ocean sciences	Health sciences	Mathematics and statistics	Multidisciplinary/interdisciplinary sciences	Physical sciences	Psychology	Social sciences	Total	Business	Education	Humanities	Visual and performing arts	Other non-science and engineering
Total (number) ^a	2,823	1,737	27	319	63	216	24	288	33	46	119	277	325	1,086	81	599	127	40	239
Debt > \$30,000 (%)	46.7	39.1	25.9	D	19.0	D	D	61.5	D	45.7	16.0	60.6	53.5	58.8	61.7	60.8	45.7	52.5	61.1
Debt > \$70,000 (%)	32.4	27.9	D	13.2	D	8.8	D	44.4	0.0	32.6	10.9	44.4	39.7	39.7	D	39.7	D	35.0	44.8
White																			
Total (number) ^a	21,444	16,614	504	4,446	564	2,817	573	1,127	565	488	2,020	1,829	1,681	4,830	300	1,727	1,628	357	818
Debt > \$30,000 (%)	16.2	13.5	14.3	9.4	7.1	6.0	7.3	32.6	6.5	12.7	4.9	31.5	21.7	25.4	19.7	28.9	21.3	21.3	30.0
Debt > \$70,000 (%)	9.0	7.4	D	4.6	4.1	2.6	2.8	D	2.8	7.2	2.3	20.3	12.0	14.6	11.3	16.4	11.8	11.8	18.9
More than one race																			
Total (number) ^a	1,384	1,131	22	313	32	172	43	66	45	26	142	124	146	253	13	110	69	D	D
Debt > \$30,000 (%)	18.3	15.2	D	7.7	D	6.4	D	39.4	D	D	3.5	41.9	28.1	32.0	D	40.9	21.7	D	36.4
Debt > \$70,000 (%)	10.8	9.5	D	5.1	0.0	3.5	D	21.2	D	D	D	26.6	19.2	17.0	D	D	8.7	D	22.7
Other race or race not reported																			
Total (number) ^a	490	371	2	85	24	53	7	31	15	19	31	48	56	119	8	36	45	8	22
Debt > \$30,000 (%)	16.5	14.3	0.0	7.1	12.5	9.4	14.3	25.8	6.7	5.3	0.0	33.3	21.4	23.5	12.5	19.4	28.9	0.0	31.8
Debt > \$70,000 (%)	11.2	9.4	0.0	4.7	8.3	1.9	0.0	19.4	6.7	0.0	0.0	29.2	12.5	16.8	0.0	13.9	20.0	0.0	27.3
Ethnicity not reported																			
Total (number) ^a	247	174	3	45	10	34	2	12	8	7	11	18	24	73	7	22	29	5	10
Debt > \$30,000 (%)	20.2	17.8	0.0	15.6	D	2.9	0.0	D	12.5	14.3	0.0	55.6	29.2	26.0	57.1	31.8	10.3	40.0	30.0

Table 4-6. U.S. citizen and permanent resident research doctorate recipients with graduate education-related debt, by ethnicity, race, and broad field of doctorate: 2025

(Number and percent)

Ethnicity, race, and debt level	All fields	Science and engineering												Non-science and engineering					
		Total	Agricultural sciences and natural resources	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric, and ocean sciences	Health sciences	Mathematics and statistics	Multidisciplinary/interdisciplinary sciences	Physical sciences	Psychology	Social sciences	Total	Business	Education	Humanities	Visual and performing arts	Other non-science and engineering
Debt > \$70,000 (%)	10.9	9.2	0.0	4.4	0.0	0.0	0.0	16.7	0.0	0.0	0.0	38.9	20.8	15.1	42.9	13.6	3.4	20.0	30.0

- = not calculable; D = suppressed to avoid disclosure of confidential information.

^a Total includes all doctorate recipients who responded to the graduate school debt question, even if they reported they had no debt.

Note(s):
Percentages were calculated based on the number of cases in each category. Hispanic or Latino may be of any race; race categories exclude Hispanic origin. The survey data collection for the field of study changed in 2021, which may affect the data comparisons across years. This table uses the new field taxonomy based on a modified version of the 2020 Classification of Instructional Programs (CIP) codes and does not match data that uses the trend field taxonomy. 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.

Table 5-1. Research doctorate recipients who ever attended community college, by sex, citizenship status, ethnicity, race, and broad field of doctorate: 2025

(Percent)

Demographic characteristic	All fields	Science and engineering												Non-science and engineering					
		Total	Agricultural sciences and natural resources	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric, and ocean sciences	Health sciences	Mathematics and statistics	Multidisciplinary/interdisciplinary sciences	Physical sciences	Psychology	Social sciences	Total	Business	Education	Humanities	Visual and performing arts	Other non-science and engineering
Doctorate recipients reporting community college attendance	22.0	20.5	23.8	23.1	12.7	14.7	24.8	33.3	13.9	17.1	19.1	31.1	20.5	28.4	18.1	37.0	24.1	19.0	28.7
Sex																			
Male	19.6	18.3	23.2	22.4	12.6	14.3	23.4	28.7	15.0	15.5	18.9	32.7	19.4	27.3	18.6	37.1	24.8	20.9	30.0
Female	24.6	23.1	24.3	23.7	13.2	15.8	26.3	35.2	11.3	19.6	19.4	30.6	21.5	29.2	17.6	36.9	23.4	17.4	27.9
Citizenship status																			
U.S. citizen or permanent resident	31.3	30.2	35.9	29.1	26.0	26.8	32.6	39.8	25.8	29.7	28.9	34.0	29.7	35.3	32.1	41.2	29.6	23.3	37.4
Temporary visa holder	4.5	4.3	6.2	4.4	3.8	4.1	3.4	9.6	2.9	4.7	3.5	7.8	3.7	6.0	5.4	8.8	3.8	5.4	7.0
Ethnicity or race (U.S. citizens and permanent residents)																			
Hispanic or Latino	38.0	36.7	39.0	34.9	38.5	33.9	45.5	46.0	40.4	36.5	37.5	35.3	35.6	42.1	39.5	49.4	35.6	25.9	43.2
Not Hispanic or Latino																			
American Indian or Alaska Native	51.6	50.8	0.0	D	-	54.5	D	71.4	-	0.0	D	D	50.0	53.1	0.0	56.3	D	D	D
Asian	19.6	19.3	19.0	20.2	17.9	17.3	13.6	25.8	20.3	21.8	18.1	23.3	15.4	21.5	D	29.7	21.4	D	D
Black or African American	35.0	34.2	33.3	D	29.7	32.7	D	43.9	33.3	46.8	D	D	34.0	36.3	39.0	37.7	30.2	20.0	37.9
White	31.8	30.8	37.3	29.9	26.5	28.3	33.0	40.0	24.3	29.4	29.5	34.9	29.7	35.4	35.9	41.7	29.0	23.8	39.5
More than one race	33.0	32.0	45.5	31.0	40.6	25.6	30.2	47.0	26.7	32.0	29.4	35.5	32.9	37.7	D	40.0	D	D	40.9
Other race or race not reported	28.7	28.2	0.0	32.2	30.8	21.4	42.9	41.9	35.3	11.8	19.4	20.0	33.3	30.5	16.7	50.0	26.2	25.0	12.5
Ethnicity not reported	31.7	34.1	66.7	32.7	36.4	31.4	100.0	50.0	12.5	71.4	16.7	30.0	32.0	26.0	0.0	33.3	17.9	50.0	25.0

- = not calculable; D = suppressed to avoid disclosure of confidential information.

Note(s):
Percentages are based on the total number of doctorate recipients. Hispanic or Latino may be of any race; race categories exclude Hispanic origin. The survey data collection for the field of study changed in 2021, which may affect the data comparisons across years. This table uses the new field taxonomy based on a modified version of the 2020 Classification of Instructional Programs (CIP) codes and does not match data that uses the trend field taxonomy. 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.

Table 5-2. Research doctorate recipients who earned a bachelor's degree related to doctorate, by sex, citizenship status, ethnicity, race, and broad field of doctorate: 2025

(Percent)

Demographic characteristic	All fields	Science and engineering												Non-science and engineering					
		Total	Agricultural sciences and natural resources	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric, and ocean sciences	Health sciences	Mathematics and statistics	Multidisciplinary/interdisciplinary sciences	Physical sciences	Psychology	Social sciences	Total	Business	Education	Humanities	Visual and performing arts	Other non-science and engineering
Doctorate recipients reporting bachelor's degree	98.7	98.6	96.4	98.4	98.9	99.1	99.5	96.7	98.4	99.0	99.0	99.2	98.8	98.8	98.1	99.1	98.8	98.3	99.0
Bachelor's degree in the same field as doctorate	60.6	64.2	49.7	65.0	38.8	78.6	52.6	46.2	80.0	12.9	77.9	70.5	54.7	45.8	42.0	26.3	69.9	67.1	39.2
Sex																			
Male	63.0	65.4	52.2	62.4	39.2	80.0	52.4	37.1	80.5	13.2	78.2	67.9	57.9	49.1	40.8	25.9	68.7	69.9	39.1
Female	58.1	62.7	47.5	66.9	37.4	75.0	52.7	50.0	78.8	12.3	77.2	71.2	52.0	43.6	43.6	26.5	71.0	64.9	39.3
Citizenship status																			
U.S. citizen or permanent resident	60.9	65.6	44.3	69.6	42.6	80.0	51.7	44.5	81.9	13.6	78.8	72.4	54.0	44.9	40.5	24.9	71.3	68.2	37.5
Temporary visa holder	60.6	62.2	58.0	51.2	36.5	77.8	55.2	53.1	78.6	12.5	77.2	56.4	56.6	49.9	44.0	36.5	66.4	64.7	44.3
Ethnicity or race (U.S. citizens and permanent residents)																			
Hispanic or Latino	60.7	66.3	46.2	69.2	48.1	79.7	53.9	31.3	83.5	11.1	79.5	74.9	58.8	42.0	38.5	20.6	66.1	74.1	37.5
Not Hispanic or Latino																			
American Indian or Alaska Native	52.7	60.7	D	88.9	-	63.6	D	71.4	-	0.0	D	D	57.1	37.5	D	D	75.0	0.0	D
Asian	59.5	62.4	28.6	66.5	32.4	81.5	D	40.2	75.0	16.8	74.1	D	50.2	40.4	34.6	19.5	61.8	72.1	39.8
Black or African American	47.1	56.7	D	64.7	29.7	72.1	54.2	48.8	D	D	79.2	65.6	42.2	31.9	D	22.1	57.7	42.5	D
White	63.1	67.3	D	70.7	47.3	80.5	53.2	46.3	D	13.6	79.5	73.5	56.2	49.0	41.1	27.8	73.7	70.6	37.7
More than one race	64.6	68.8	36.4	71.2	46.9	80.2	55.8	47.0	82.2	D	D	79.2	59.6	45.8	D	D	82.6	70.6	36.4
Other race or race not reported	53.8	57.7	0.0	67.4	50.0	77.2	57.1	48.5	66.7	22.2	71.9	56.5	35.1	41.2	28.6	21.1	61.9	62.5	33.3

Table 5-2. Research doctorate recipients who earned a bachelor's degree related to doctorate, by sex, citizenship status, ethnicity, race, and broad field of doctorate: 2025

(Percent)

Demographic characteristic	All fields	Science and engineering												Non-science and engineering					
		Total	Agricultural sciences and natural resources	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric, and ocean sciences	Health sciences	Mathematics and statistics	Multidisciplinary/interdisciplinary sciences	Physical sciences	Psychology	Social sciences	Total	Business	Education	Humanities	Visual and performing arts	Other non-science and engineering
Ethnicity not reported	48.3	52.7	50.0	56.4	41.7	60.0	0.0	40.0	62.5	0.0	69.2	59.1	48.0	38.5	22.2	12.5	69.0	44.4	41.7

- = not calculable; D = suppressed to avoid disclosure of confidential information.

Note(s):
Percentages are based on the total number of doctorate recipients. A bachelor's and doctoral degree are considered to be in the same field if doctorate recipient's first or most recent bachelor's degree is in the same broad field as their doctoral degree. Hispanic or Latino may be of any race; race categories exclude Hispanic origin. The survey data collection for the field of study changed in 2021, which may affect the data comparisons across years. This table uses the new field taxonomy based on a modified version of the 2020 Classification of Instructional Programs (CIP) codes and does not match data that uses the trend field taxonomy. 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.

Table 5-3. Research doctorate recipients who earned a master's degree related to doctorate, by sex, citizenship status, ethnicity, race, and broad field of doctorate: 2025

(Percent)

Demographic characteristic	All fields	Science and engineering												Non-science and engineering					
		Total	Agricultural sciences and natural resources	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric, and ocean sciences	Health sciences	Mathematics and statistics	Multidisciplinary/interdisciplinary sciences	Physical sciences	Psychology	Social sciences	Total	Business	Education	Humanities	Visual and performing arts	Other non-science and engineering
Doctorate recipients reporting master's degree	72.0	66.8	78.2	43.7	72.6	72.7	63.6	80.1	68.7	74.6	49.6	88.0	87.9	93.1	86.5	96.5	91.0	91.8	94.6
Sex																			
Male	70.3	66.4	80.3	44.8	70.7	73.9	67.1	74.2	66.0	73.4	50.3	85.6	86.6	92.2	85.0	96.1	91.8	91.6	94.3
Female	73.7	67.3	76.4	42.9	78.2	69.6	59.7	82.6	74.8	76.5	48.1	88.7	89.0	93.8	88.4	96.7	90.2	91.9	94.8
Citizenship status																			
U.S. citizen or permanent resident	68.7	61.4	71.7	36.6	71.9	64.5	58.3	79.7	66.9	72.3	42.7	87.6	86.5	93.4	85.1	96.8	90.8	91.1	94.6
Temporary visa holder	78.3	76.1	87.4	66.1	73.2	80.2	77.8	81.5	70.6	77.1	60.6	92.2	90.6	93.3	88.3	96.3	92.3	95.9	96.4
Ethnicity or race (U.S. citizens and permanent residents)																			
Hispanic or Latino	66.9	59.4	64.9	30.9	73.1	63.9	58.4	76.6	63.7	66.7	47.4	81.4	88.1	91.8	84.6	95.2	87.0	94.4	93.8
Not Hispanic or Latino																			
American Indian or Alaska Native	83.9	75.4	D	D	-	D	D	100.0	-	D	D	100.0	100.0	100.0	D	D	100.0	D	100.0
Asian	65.6	61.6	69.8	D	71.0	67.5	D	75.0	57.3	D	D	83.0	82.9	92.0	88.9	94.2	90.0	D	D
Black or African American	85.1	78.3	D	46.7	85.9	D	75.0	90.8	81.8	81.6	57.1	90.3	93.0	95.9	D	97.5	90.0	D	95.9
White	67.5	59.9	72.1	35.8	70.4	62.9	55.7	78.1	67.9	73.4	40.3	89.2	85.8	93.8	81.8	97.7	91.8	91.9	94.7
More than one race	65.6	59.5	63.6	33.5	78.1	62.2	58.1	81.8	82.2	64.0	41.3	88.0	83.6	92.9	84.6	D	88.4	94.1	D
Other race or race not reported	74.4	68.2	50.0	42.0	65.4	60.7	100.0	84.8	76.5	83.3	58.1	91.3	84.2	94.1	100.0	92.1	95.2	87.5	95.8
Ethnicity not reported	60.7	57.1	66.7	29.6	76.9	65.0	100.0	75.0	37.5	42.9	30.8	73.9	88.0	68.5	44.4	69.7	75.9	44.4	83.3
Master's degree in the same field as doctorate	54.3	51.1	51.3	30.5	47.0	63.0	46.4	59.2	62.8	24.1	42.0	72.3	65.1	67.6	59.1	63.2	76.3	81.2	62.3

Table 5-3. Research doctorate recipients who earned a master's degree related to doctorate, by sex, citizenship status, ethnicity, race, and broad field of doctorate: 2025

(Percent)

Demographic characteristic	All fields	Science and engineering												Non-science and engineering					
		Total	Agricultural sciences and natural resources	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric, and ocean sciences	Health sciences	Mathematics and statistics	Multidisciplinary/interdisciplinary sciences	Physical sciences	Psychology	Social sciences	Total	Business	Education	Humanities	Visual and performing arts	Other non-science and engineering
Sex																			
Male	54.0	51.5	55.2	30.5	45.7	64.6	50.4	47.4	60.4	23.4	42.8	71.0	68.0	68.3	59.0	59.6	79.2	82.1	60.7
Female	54.5	50.5	48.0	30.4	50.9	59.1	42.0	64.1	68.2	25.2	40.4	72.7	62.5	67.1	59.1	64.5	73.6	80.6	63.2
Citizenship status																			
U.S. citizen or permanent resident	52.2	47.4	46.5	26.2	47.8	56.8	44.3	60.9	61.1	27.2	37.7	72.9	61.0	68.4	60.1	63.7	77.7	80.4	62.2
Temporary visa holder	58.9	57.7	58.8	44.2	46.8	69.0	52.2	54.7	64.8	21.4	49.3	70.4	73.0	66.6	58.8	62.8	73.1	85.8	64.6
Ethnicity or race (U.S. citizens and permanent residents)																			
Hispanic or Latino	52.0	47.6	45.5	23.4	44.2	57.0	43.8	52.2	60.4	33.3	43.6	70.2	66.4	66.5	59.0	61.6	73.2	87.0	58.9
Not Hispanic or Latino																			
American Indian or Alaska Native	58.1	50.8	D	D	-	54.5	0.0	100.0	-	D	0.0	71.4	50.0	71.9	D	68.8	87.5	D	D
Asian	50.5	47.8	37.1	D	48.3	60.6	39.0	53.2	50.3	D	41.9	71.0	59.2	68.2	53.1	68.2	74.6	D	D
Black or African American	57.1	52.7	D	31.8	51.6	60.7	70.8	69.5	75.8	D	50.4	62.8	49.2	64.1	D	61.0	71.5	D	65.1
White	52.1	46.8	49.0	25.2	47.4	55.4	43.0	61.1	62.4	27.6	35.5	75.6	63.1	70.2	59.3	65.3	79.4	81.3	61.4
More than one race	50.9	47.7	27.3	23.0	59.4	55.8	53.5	71.2	73.3	32.0	37.1	71.2	64.4	65.2	76.9	57.3	75.4	88.2	56.8
Other race or race not reported	53.8	49.6	0.0	31.8	46.2	58.9	85.7	60.6	70.6	22.2	41.9	76.1	45.6	67.2	57.1	63.2	76.2	75.0	58.3
Ethnicity not reported	43.7	38.1	33.3	20.4	30.8	53.8	100.0	50.0	12.5	42.9	23.1	52.2	48.0	56.0	44.4	46.9	69.0	44.4	66.7

- = not calculable; D = suppressed to avoid disclosure of confidential information.

Note(s):
Percentages are based on the total number of doctorate recipients. A master's and doctoral degree are considered to be in the same field if doctorate recipient's first or most recent master's degree is in the same broad field as their doctoral degree. Hispanic or Latino may be of any race; race categories exclude Hispanic origin. The survey data collection for the field of study changed in 2021, which may affect the data comparisons across years. This table uses the new field taxonomy based on a modified version of the 2020 Classification of Instructional Programs (CIP) codes and does not match data that uses the trend field taxonomy. 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.

Table 5-4. Baccalaureate-origin institution characteristics of research doctorate recipients, by broad field of doctorate: 2025

(Number)

Baccalaureate-origin institution characteristics	All fields	Science and engineering												Non-science and engineering					
		Total	Agricultural sciences and natural resources	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric, and ocean sciences	Health sciences	Mathematics and statistics	Multidisciplinary/interdisciplinary sciences	Physical sciences	Psychology	Social sciences	Total	Business	Education	Humanities	Visual and performing arts	Other non-science and engineering
Doctorate recipients reporting bachelor's degree	55,315	44,420	1,220	9,510	2,758	10,173	1,145	2,661	1,947	1,671	5,065	3,614	4,656	10,895	1,211	3,783	3,099	741	2,061
U.S. baccalaureate-origin institutions	36,106	28,131	721	7,327	1,132	4,797	814	1,995	1,036	848	3,294	3,245	2,922	7,975	574	3,128	2,351	549	1,373
Institution control																			
Public	22,472	17,656	563	4,559	706	3,341	522	1,265	627	495	1,988	1,919	1,671	4,816	339	2,170	1,182	254	871
Private, not-for-profit	13,434	10,338	157	2,760	418	1,448	292	695	409	350	1,302	1,273	1,234	3,096	225	941	1,158	292	480
Private, for-profit	180	123	0	5	8	8	0	31	0	2	4	49	16	57	8	15	10	3	21
2021 Carnegie Classification																			
R1: doctoral universities - very high research	19,746	16,325	450	4,271	766	3,434	465	929	614	529	1,796	1,498	1,573	3,421	294	1,294	974	272	587
R2: doctoral universities - high research	4,732	3,497	83	778	111	621	97	316	109	97	400	486	399	1,235	78	561	323	58	215
Doctoral/professional universities	1,630	1,148	15	290	35	84	25	154	38	30	122	225	130	482	33	192	145	28	84
Master's colleges and universities	4,988	3,475	92	939	114	331	88	354	123	80	473	539	342	1,513	97	661	403	73	279
Baccalaureate colleges	4,492	3,337	76	975	92	275	132	173	147	98	482	440	447	1,155	58	361	455	99	182
Other universities	518	349	5	74	14	52	7	69	5	14	21	57	31	169	14	59	51	19	26
Historically Black colleges or universities																			
Yes	711	427	9	100	14	55	7	52	10	10	36	70	64	284	20	182	22	4	56
No	35,385	27,697	711	7,226	1,118	4,742	807	1,940	1,026	838	3,258	3,173	2,858	7,688	553	2,945	2,328	545	1,317
Non-U.S. baccalaureate-origin institutions	18,786	15,954	492	2,143	1,595	5,283	327	638	887	800	1,738	353	1,698	2,832	618	630	732	187	665
Top countries or economies	13,325	11,656	244	1,512	1,311	4,235	206	456	654	627	1,267	230	914	1,669	484	381	308	100	396
China ^a	5,536	4,925	89	656	630	1,631	101	127	378	283	614	77	339	611	212	141	67	39	152
India	2,687	2,493	57	379	284	945	29	99	98	142	288	33	139	194	74	30	43	6	41

Table 5-4. Baccalaureate-origin institution characteristics of research doctorate recipients, by broad field of doctorate: 2025

(Number)

Baccalaureate-origin institution characteristics	All fields	Science and engineering												Non-science and engineering					
		Total	Agricultural sciences and natural resources	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric, and ocean sciences	Health sciences	Mathematics and statistics	Multidisciplinary/ interdisciplinary sciences	Physical sciences	Psychology	Social sciences	Total	Business	Education	Humanities	Visual and performing arts	Other non-science and engineering
South Korea	1,032	743	16	68	45	203	7	43	41	33	63	40	184	289	93	60	52	17	67
Iran	959	890	12	59	109	529	8	21	21	48	59	5	19	69	30	7	7	5	20
Bangladesh	745	703	11	77	103	346	11	18	18	34	58	D	26	42	10	6	7	0	D
Canada	512	380	13	81	17	60	16	28	29	19	36	31	50	132	16	25	56	18	17
Nigeria	511	436	31	66	15	143	11	49	13	14	47	8	39	75	14	18	19	D	D
Taiwan	509	447	10	69	37	141	15	22	22	23	63	16	29	62	9	9	16	7	21
Saudi Arabia	420	311	D	30	54	81	D	44	20	17	22	D	34	109	10	53	16	D	29
Turkey (Türkiye)	414	328	D	27	17	156	D	5	14	14	17	17	55	86	16	32	25	D	9

D = suppressed to avoid disclosure of confidential information.

^a China includes Hong Kong.

Note(s):
Tied countries or economies are listed alphabetically. Carnegie classification is based on the 2021 Carnegie Classifications: doctoral universities - very high research (R1), doctoral universities - high research (R2), doctoral/ professional universities, and other universities, which includes all other Carnegie classifications (e.g., special focus institutions) and institutions without Carnegie classifications. The survey data collection for the field of study changed in 2021, which may affect the data comparisons across years. This table uses the new field taxonomy based on a modified version of the 2020 Classification of Instructional Programs (CIP) codes and does not match data that uses the trend field taxonomy. 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.

Table 5-5. Educational attainment of research doctorate recipients' parents, by sex, citizenship status, ethnicity, race, and broad field of doctorate: 2025

(Percent)

Demographic characteristic and field	Total (number)	Highest level of parental education (%)						Research doctorate
		All	High school or less	Some college ^a	Bachelor's degree	Master's degree	Professional doctorate ^b	
Doctorate recipients reporting parental education (number)	50,311	50,311	7,787	6,569	13,575	12,163	4,260	5,957
Highest level of parental education	50,311	100.0	15.5	13.1	27.0	24.2	8.5	11.8
Sex								
Male	25,767	100.0	16.8	12.2	27.6	23.3	8.1	12.1
Female	24,544	100.0	14.1	14.0	26.4	25.1	8.9	11.6
Citizenship status								
U.S. citizen or permanent resident	33,141	100.0	12.8	13.7	24.5	25.7	10.8	12.5
Temporary visa holder	17,148	100.0	20.7	11.8	31.9	21.2	4.0	10.6
Ethnicity or race (U.S. citizens and permanent residents)								
Hispanic or Latino	3,458	100.0	27.6	19.3	20.8	17.8	7.1	7.4
Not Hispanic or Latino								
American Indian or Alaska Native	89	100.0	29.2	21.3	20.2	20.2	D	D
Asian	3,921	100.0	15.5	9.5	22.5	23.9	7.3	21.4
Black or African American	2,691	100.0	22.2	23.1	19.6	21.9	6.5	6.8
White	21,078	100.0	8.8	12.4	26.3	27.9	12.4	12.1
More than one race	1,365	100.0	9.7	13.1	21.9	25.6	12.8	16.8
Other race or race not reported	402	100.0	12.4	13.2	20.1	21.6	D	D
Ethnicity not reported	137	100.0	11.7	17.5	19.0	26.3	13.1	12.4
Field of doctorate								
Science and engineering	40,545	100.0	14.8	12.4	27.7	24.5	8.5	12.1
Agricultural sciences and natural resources	1,143	100.0	19.1	14.0	26.4	22.0	7.0	11.5
Biological and biomedical sciences	8,891	100.0	13.3	11.9	27.6	25.5	9.8	11.8
Computer and information sciences	2,376	100.0	15.7	11.0	28.8	23.4	6.4	14.8
Engineering	9,249	100.0	15.0	10.7	30.4	25.0	6.4	12.5
Geosciences, atmospheric, and ocean sciences	1,059	100.0	13.5	11.2	27.5	24.5	10.1	13.2
Health sciences	2,433	100.0	18.1	16.1	24.1	22.4	9.5	9.7
Mathematics and statistics	1,756	100.0	14.3	11.8	29.5	22.8	8.4	13.2
Multidisciplinary/ interdisciplinary sciences	1,502	100.0	14.7	10.7	27.6	24.9	8.4	13.7
Physical sciences	4,663	100.0	14.4	12.2	28.7	25.2	8.0	11.5
Psychology	3,192	100.0	14.3	16.3	24.4	24.3	11.4	9.3
Social sciences	4,281	100.0	15.1	14.0	24.7	23.8	9.5	12.8
Non-science and engineering	9,766	100.0	18.4	15.6	23.9	22.8	8.3	10.9
Business	1,050	100.0	19.2	13.9	26.7	21.1	5.8	13.2
Education	3,388	100.0	22.8	18.7	22.7	20.6	7.0	8.2
Humanities	2,824	100.0	15.0	12.9	24.2	24.4	11.0	12.5
Visual and performing arts	678	100.0	7.8	13.0	24.2	29.8	10.0	15.2
Other non-science and engineering	1,826	100.0	19.1	16.1	24.2	22.7	7.3	10.6

D = suppressed to avoid disclosure of confidential information.

^a Some college includes those who attended college but did not earn a bachelor's degree.
^b Professional doctorate includes professional doctorates such as MD, DDS, DVM, JD, PsyD, DDiv.

Note(s):
Table excludes doctorate recipients who did not report parental education for either parent or reported "not applicable or unknown" for both parents' education. If data were provided for one parent, that response is used; when data were provided for two parents, the higher attainment is used. Due to rounding, percentages may not sum to 100. Hispanic or Latino may be of any race; race categories exclude Hispanic origin. The survey data collection for the field of study changed in 2021, which may affect the data comparisons across years. This table uses the new field taxonomy based on a modified version of the 2020 Classification of Instructional Programs (CIP) codes and does not match data that uses the trend field taxonomy. 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.

Table 5-6. Research doctorate recipients reporting one or more functional limitations, by broad field of doctorate, sex, and citizenship status: 2025

(Number and percent)

Field and demographic characteristic	Total	One or more limitations of any type		Visual limitations		Hearing limitations		Walking limitations		Lifting limitations		Cognitive limitations	
	Number	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Doctorate recipients reporting functional limitation status	50,928	7,650	15.0	2,327	4.6	1,108	2.2	390	0.8	553	1.1	5,071	10.0
Field of doctorate													
Science and engineering	41,083	5,886	14.3	1,737	4.2	829	2.0	266	0.6	389	0.9	3,980	9.7
Agricultural sciences and natural resources	1,164	174	14.9	58	5.0	30	2.6	D	D	7	0.6	114	9.8
Biological and biomedical sciences	8,985	1,448	16.1	318	3.5	199	2.2	45	0.5	57	0.6	1,103	12.3
Computer and information sciences	2,422	280	11.6	125	5.2	38	1.6	15	0.6	26	1.1	143	5.9
Engineering	9,373	958	10.2	417	4.4	156	1.7	53	0.6	80	0.9	524	5.6
Geosciences, atmospheric, and ocean sciences	1,064	169	15.9	40	3.8	27	2.5	D	D	8	0.8	124	11.7
Health sciences	2,472	338	13.7	117	4.7	44	1.8	20	0.8	28	1.1	210	8.5
Mathematics and statistics	1,797	231	12.9	61	3.4	44	2.4	13	0.7	18	1.0	149	8.3
Multidisciplinary/ interdisciplinary sciences	1,533	187	12.2	74	4.8	30	2.0	17	1.1	24	1.6	109	7.1
Physical sciences	4,718	705	14.9	184	3.9	94	2.0	18	0.4	34	0.7	507	10.7
Psychology	3,225	644	20.0	125	3.9	70	2.2	28	0.9	46	1.4	495	15.3
Social sciences	4,330	752	17.4	218	5.0	97	2.2	47	1.1	61	1.4	502	11.6
Non-science and engineering	9,845	1,764	17.9	590	6.0	279	2.8	124	1.3	164	1.7	1,091	11.1
Business	1,068	144	13.5	59	5.5	29	2.7	9	0.8	9	0.8	72	6.7
Education	3,413	579	17.0	234	6.9	101	3.0	46	1.3	65	1.9	329	9.6
Humanities	2,841	557	19.6	148	5.2	71	2.5	37	1.3	45	1.6	378	13.3
Visual and performing arts	677	126	18.6	35	5.2	24	3.5	7	1.0	9	1.3	83	12.3
Other non-science and engineering	1,846	358	19.4	114	6.2	54	2.9	25	1.4	36	2.0	229	12.4
Sex ^a													
Male	26,111	3,446	13.2	1,158	4.4	599	2.3	155	0.6	173	0.7	2,139	8.2
Female	24,817	4,204	16.9	1,169	4.7	509	2.1	235	0.9	380	1.5	2,932	11.8
Citizenship status ^b													
U.S. citizen or permanent resident	33,389	5,809	17.4	1,315	3.9	868	2.6	308	0.9	383	1.1	4,228	12.7
Temporary visa holder	17,500	1,835	10.5	1,010	5.8	238	1.4	81	0.5	168	1.0	841	4.8

D = suppressed to avoid disclosure of confidential information.

^a Sex excludes doctorate recipients who did not report sex.

^b Citizenship status excludes doctorate recipients who did not report citizenship status.

Note(s):
Doctorate recipients could report more than one functional limitation; thus, counts and percentages for the specific limitations will not sum to the "One or more limitations" columns. Survey asks degree of difficulty—none, slight, moderate, severe, or unable to do—that an individual has in seeing (with glasses), hearing (with hearing aid), walking without assistance, lifting 10 pounds, or concentrating, remembering, or making decisions. Those respondents who answered "moderate," "severe," or "unable to do" for any activity were classified as having a functional limitation. The survey data collection for the field of study changed in 2021, which may affect the data comparisons across years. This table uses the new field taxonomy based on a modified version of the 2020 Classification of Instructional Programs (CIP) codes and does not match data that uses the trend field taxonomy. 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.

Table 6-1. Research doctorate recipients with definite postgraduation commitments, by major field of doctorate: 2025

(Number)

Field of doctorate	All doctorate recipients	Doctorate recipients with definite commitments	Location of definite commitments						
			United States					Abroad	Unknown
			Total	Postdoctoral study	Academic employment	Industry employment ^a	Other sector or unknown ^b		
All fields	59,015	35,299	32,305	12,893	7,744	7,795	3,873	2,952	42
Science and engineering	47,272	28,284	25,919	12,019	4,355	7,248	2,297	2,332	33
Agricultural sciences and natural resources	1,325	816	745	368	160	133	84	71	0
Agricultural, animal, plant, and veterinary sciences	875	538	487	246	112	103	26	51	0
Natural resources and conservation	450	278	258	122	48	30	58	20	0
Biological and biomedical sciences	9,950	5,460	5,188	3,588	567	761	272	265	7
Biochemistry, biophysics, and molecular biology	1,521	809	774	569	47	132	26	D	D
Bioinformatics, biostatistics, and computational biology	742	451	433	196	62	145	30	17	1
Biological and biomedical sciences, general	968	444	426	308	52	44	22	17	1
Cell/ cellular biology and anatomy	784	393	377	279	46	41	11	16	0
Ecology, evolutionary biology, and epidemiology	1,078	693	643	424	93	47	79	49	1
Genetics and genomics	488	248	232	165	19	43	5	16	0
Microbiology and immunology	1,136	583	556	414	56	64	22	27	0
Neurobiology and neurosciences	1,343	762	727	559	52	95	21	34	1
Pharmacology and toxicology	393	218	214	144	18	46	6	D	D
Physiology, oncology, and cancer biology	845	490	471	313	78	66	14	19	0
Biological and biomedical sciences, other	652	369	335	217	44	38	36	34	0
Computer and information sciences	3,002	1,892	1,738	359	339	949	91	153	1
Computer science	2,027	1,270	1,176	252	215	660	49	94	0
Computer and information sciences, other	975	622	562	107	124	289	42	59	1
Engineering	10,876	6,341	5,844	2,155	526	2,734	429	489	8
Aerospace, aeronautical, astronautical, and space engineering	628	373	341	110	47	150	34	32	0
Biological, biomedical, and biosystems engineering	1,390	677	653	393	35	203	22	24	0
Chemical and petroleum engineering	1,285	711	646	263	22	335	26	64	1
Civil, environmental, and transportation engineering	1,276	772	706	273	66	280	87	65	1
Electrical and computer engineering	2,111	1,353	1,238	272	106	781	79	113	2
Engineering technologies	374	240	218	73	21	111	13	22	0
Industrial engineering and operations research	666	408	369	72	73	174	50	39	0
Materials and mining engineering	867	507	465	229	23	192	21	41	1
Mechanical engineering	1,564	888	826	326	80	361	59	60	2
Engineering, other	715	412	382	144	53	147	38	29	1
Geosciences, atmospheric, and ocean sciences	1,192	775	693	433	77	102	81	82	0
Geological and earth sciences	641	408	355	198	46	74	37	53	0
Ocean, marine, and atmospheric sciences	551	367	338	235	31	28	44	29	0
Health sciences	2,911	1,769	1,662	552	554	265	291	106	1
Nursing and nursing science	659	418	381	78	188	36	79	37	0

Table 6-1. Research doctorate recipients with definite postgraduation commitments, by major field of doctorate: 2025

(Number)

Field of doctorate	All doctorate recipients	Doctorate recipients with definite commitments	Location of definite commitments						
			United States					Abroad	Unknown
			Total	Postdoctoral study	Academic employment	Industry employment ^a	Other sector or unknown ^b		
Pharmacy and pharmaceutical sciences	418	220	211	106	20	70	15	9	0
Public health	796	490	468	201	111	57	99	22	0
Health sciences, other	1,038	641	602	167	235	102	98	38	1
Mathematics and statistics	2,069	1,294	1,094	455	257	321	61	197	3
Applied mathematics	444	275	250	104	65	70	11	25	0
Mathematics	967	575	440	239	113	68	20	134	1
Statistics	658	444	404	112	79	183	30	38	2
Multidisciplinary/ interdisciplinary sciences	1,781	1,101	1,014	315	195	427	77	85	2
Interdisciplinary computer sciences	673	440	406	113	61	208	24	34	0
Multidisciplinary/ interdisciplinary sciences, other	1,108	661	608	202	134	219	53	51	2
Physical sciences	5,332	3,058	2,746	1,538	213	868	127	308	4
Astronomy and astrophysics	337	243	203	168	12	18	5	40	0
Chemistry	2,627	1,411	1,330	669	115	473	73	80	1
Materials sciences	326	183	169	84	7	73	5	14	0
Physics	2,042	1,221	1,044	617	79	304	44	174	3
Psychology	3,941	2,566	2,499	1,471	416	300	312	64	3
Clinical psychology	1,179	904	892	740	41	40	71	11	1
Counseling and applied psychology	1,315	897	875	427	160	133	155	21	1
Research and experimental psychology	874	520	495	208	149	85	53	24	1
Psychology, other	573	245	237	96	66	42	33	8	0
Social sciences	4,893	3,212	2,696	785	1,051	388	472	512	4
Anthropology	433	239	209	100	70	12	27	29	1
Area, ethnic, cultural, gender, and group studies	419	229	205	70	102	10	23	24	0
Economics	1,390	991	758	187	253	203	115	233	0
Political science and government	634	420	342	124	146	29	43	77	1
Public policy analysis	383	268	248	52	73	29	94	20	0
Sociology, demography, and population studies	588	403	366	111	179	24	52	37	0
Social sciences, other	1,046	662	568	141	228	81	118	92	2
Non-science and engineering	11,743	7,015	6,386	874	3,389	547	1,576	620	9
Business	1,350	909	786	49	546	115	76	121	2
Business administration and management	461	248	210	18	124	35	33	38	0
Business, other	889	661	576	31	422	80	43	83	2
Education	4,048	2,552	2,416	190	1,151	174	901	134	2
Education leadership and administration	1,245	848	809	27	423	42	317	37	2
Education research	1,194	720	690	64	318	81	227	30	0
Teacher education and teaching fields	1,124	715	661	72	303	38	248	54	0

Table 6-1. Research doctorate recipients with definite postgraduation commitments, by major field of doctorate: 2025

(Number)

Field of doctorate	All doctorate recipients	Doctorate recipients with definite commitments	Location of definite commitments						
			United States					Abroad	Unknown
			Total	Postdoctoral study	Academic employment	Industry employment ^a	Other sector or unknown ^b		
Education, other	485	269	256	27	107	13	109	13	0
Humanities	3,355	1,820	1,637	370	861	109	297	181	2
English language and literature, letters	984	530	500	83	333	38	46	29	1
Foreign languages, literatures, and linguistics	542	262	227	41	145	13	28	35	0
History	779	461	416	128	173	30	85	45	0
Philosophy and religious studies	628	331	289	96	142	15	36	41	1
Humanities, other	422	236	205	22	68	13	102	31	0
Visual and performing arts	793	416	371	60	215	26	70	45	0
Performing arts	494	241	215	25	127	19	44	26	0
Visual arts, media studies, and design	299	175	156	35	88	7	26	19	0
Other non-science and engineering	2,197	1,318	1,176	205	616	123	232	139	3
Communication and journalism	584	341	306	48	206	21	31	33	2
Multidisciplinary/ interdisciplinary studies	349	204	177	32	91	12	42	26	1
Public administration and social services	532	327	311	53	132	40	86	16	0
Non-science and engineering, other	732	446	382	72	187	50	73	64	0

D = suppressed to avoid disclosure of confidential information.

^a Industry employment includes doctorate recipients reporting self-employment.

^b Other sector or unknown includes doctorate recipients reporting government, nonprofit, elementary or secondary school, or other employment and those with unknown employment in the United States.

Note(s):

A definite postgraduation commitment includes accepting new employment or a postdoctoral study (postdoc) position or returning to predoctoral employment. The survey data collection for the field of study changed in 2021, which may affect the data comparisons across years. This table uses the new field taxonomy based on a modified version of the 2020 Classification of Instructional Programs (CIP) codes and does not match data that uses the trend field taxonomy. 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.

Table 6-2. U.S. citizen and permanent resident research doctorate recipients with definite postgraduation commitments, by major field of doctorate: 2025

(Number)

Field of doctorate	U.S. citizen and permanent resident doctorate recipients	Doctorate recipients with definite commitments	Location of definite commitments						
			United States					Abroad	Unknown
			Total	Postdoctoral study	Academic employment	Industry employment ^a	Other sector or unknown ^b		
U.S. citizens and permanent residents reporting postgraduation plans	36,235	22,427	21,722	8,010	5,946	4,267	3,499	698	7
Science and engineering	27,906	17,008	16,439	7,397	3,251	3,786	2,005	564	5
Agricultural sciences and natural resources	753	470	456	161	126	93	76	14	0
Agricultural, animal, plant, and veterinary sciences	463	275	268	86	88	72	22	7	0
Natural resources and conservation	290	195	188	75	38	21	54	7	0
Biological and biomedical sciences	7,232	3,909	3,809	2,533	487	552	237	99	1
Biochemistry, biophysics, and molecular biology	1,012	510	499	338	39	99	23	11	0
Bioinformatics, biostatistics, and computational biology	398	227	D	106	40	D	19	D	0
Biological and biomedical sciences, general	663	319	313	211	44	36	22	6	0
Cell/ cellular biology and anatomy	608	293	D	202	D	36	10	D	0
Ecology, evolutionary biology, and epidemiology	867	569	544	346	82	41	75	25	0
Genetics and genomics	358	174	168	119	D	30	D	6	0
Microbiology and immunology	911	452	437	314	50	53	20	15	0
Neurobiology and neurosciences	1,050	584	570	427	D	D	17	13	1
Pharmacology and toxicology	296	165	165	109	D	34	D	0	0
Physiology, oncology, and cancer biology	618	365	357	214	70	61	12	8	0
Biological and biomedical sciences, other	451	251	244	147	D	D	31	7	0
Computer and information sciences	1,088	675	651	123	156	300	72	24	0
Computer science	709	447	433	85	104	212	32	14	0
Computer and information sciences, other	379	228	218	38	52	88	40	10	0
Engineering	4,816	2,844	2,767	886	305	1,233	343	76	1
Aerospace, aeronautical, astronautical, and space engineering	351	230	220	51	27	109	33	10	0
Biological, biomedical, and biosystems engineering	909	431	425	231	30	144	20	6	0
Chemical and petroleum engineering	625	335	327	120	17	170	20	8	0
Civil, environmental, and transportation engineering	460	304	292	84	35	113	60	12	0
Electrical and computer engineering	669	449	442	74	46	265	57	7	0
Engineering technologies	112	70	D	D	13	32	5	D	0
Industrial engineering and operations research	262	172	D	D	37	68	46	D	0
Materials and mining engineering	403	234	222	103	17	83	19	12	0
Mechanical engineering	702	407	395	128	47	169	51	11	1
Engineering, other	323	212	D	D	36	80	32	D	0
Geosciences, atmospheric, and ocean sciences	833	570	536	312	70	80	74	34	0
Geological and earth sciences	420	287	269	138	D	D	33	18	0

Table 6-2. U.S. citizen and permanent resident research doctorate recipients with definite postgraduation commitments, by major field of doctorate: 2025

(Number)

Field of doctorate	U.S. citizen and permanent resident doctorate recipients	Doctorate recipients with definite commitments	Location of definite commitments						
			United States					Abroad	Unknown
			Total	Postdoctoral study	Academic employment	Industry employment ^a	Other sector or unknown ^b		
Ocean, marine, and atmospheric sciences	413	283	267	174	D	D	41	16	0
Health sciences	2,115	1,392	1,373	378	506	215	274	19	0
Nursing and nursing science	531	360	D	59	D	36	78	D	0
Pharmacy and pharmaceutical sciences	205	108	108	48	D	D	10	0	0
Public health	606	397	D	150	97	D	92	D	0
Health sciences, other	773	527	518	121	210	93	94	9	0
Mathematics and statistics	944	587	545	215	171	112	47	42	0
Applied mathematics	218	128	D	50	40	D	10	D	0
Mathematics	522	316	D	131	92	D	18	D	0
Statistics	204	143	137	34	39	45	19	6	0
Multidisciplinary/ interdisciplinary sciences	846	519	510	153	123	170	64	9	0
Interdisciplinary computer sciences	272	165	D	49	31	66	D	D	0
Multidisciplinary/ interdisciplinary sciences, other	574	354	D	104	92	104	D	D	0
Physical sciences	3,109	1,754	1,623	827	167	514	115	131	0
Astronomy and astrophysics	226	164	139	D	12	D	5	25	0
Chemistry	1,628	871	839	376	90	309	64	32	0
Materials sciences	165	89	84	D	D	37	5	5	0
Physics	1,090	630	561	303	D	D	41	69	0
Psychology	3,191	2,285	2,260	1,317	367	282	294	24	1
Clinical psychology	1,043	856	851	706	D	D	D	5	0
Counseling and applied psychology	1,093	814	803	389	D	D	145	10	1
Research and experimental psychology	671	407	D	150	129	72	D	D	0
Psychology, other	384	208	D	72	61	D	32	D	0
Social sciences	2,979	2,003	1,909	492	773	235	409	92	2
Anthropology	312	185	172	73	61	12	26	13	0
Area, ethnic, cultural, gender, and group studies	292	160	D	D	74	10	21	D	0
Economics	504	377	349	68	125	81	75	28	0
Political science and government	404	282	261	89	112	23	37	20	1
Public policy analysis	305	215	D	36	64	D	86	D	0
Sociology, demography, and population studies	455	325	320	D	158	D	52	5	0
Social sciences, other	707	459	441	88	179	62	112	17	1
Non-science and engineering	8,329	5,419	5,283	613	2,695	481	1,494	134	2
Business	588	428	415	23	254	76	62	12	1
Business administration and management	191	124	D	5	D	26	28	D	0
Business, other	397	304	D	18	D	50	34	D	1

Table 6-2. U.S. citizen and permanent resident research doctorate recipients with definite postgraduation commitments, by major field of doctorate: 2025

(Number)

Field of doctorate	U.S. citizen and permanent resident doctorate recipients	Doctorate recipients with definite commitments	Location of definite commitments						
			United States					Abroad	Unknown
			Total	Postdoctoral study	Academic employment	Industry employment ^a	Other sector or unknown ^b		
Education	3,286	2,278	2,250	D	1,069	D	874	27	1
Education leadership and administration	1,095	796	790	D	D	42	312	5	1
Education research	929	618	D	38	278	D	217	D	0
Teacher education and teaching fields	898	616	606	D	277	D	238	10	0
Education, other	364	248	D	21	D	13	107	D	0
Humanities	2,455	1,441	1,391	D	721	D	284	50	0
English language and literature, letters	811	471	460	73	304	38	45	11	0
Foreign languages, literatures, and linguistics	285	154	145	18	89	13	25	9	0
History	610	368	354	101	D	D	84	14	0
Philosophy and religious studies	456	257	246	D	130	D	34	11	0
Humanities, other	293	191	186	D	D	13	96	5	0
Visual and performing arts	558	333	316	D	189	D	59	17	0
Performing arts	342	203	192	20	118	19	35	11	0
Visual arts, media studies, and design	216	130	124	D	71	D	24	6	0
Other non-science and engineering	1,442	939	911	127	462	107	215	28	0
Communication and journalism	383	230	224	D	148	D	28	6	0
Multidisciplinary/ interdisciplinary studies	235	160	D	D	74	12	38	D	0
Public administration and social services	407	273	D	39	113	D	83	D	0
Non-science and engineering, other	417	276	268	35	127	40	66	8	0

D = suppressed to avoid disclosure of confidential information.

^a Industry employment includes doctorate recipients reporting self-employment.

^b Other sector or unknown includes doctorate recipients reporting government, nonprofit, elementary or secondary school, or other employment and those with unknown employment in the United States.

Note(s):

A definite postgraduation commitment includes accepting new employment or a postdoctoral study (postdoc) position or returning to predoctoral employment. The survey data collection for the field of study changed in 2021, which may affect the data comparisons across years. This table uses the new field taxonomy based on a modified version of the 2020 Classification of Instructional Programs (CIP) codes and does not match data that uses the trend field taxonomy. 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.

Table 6-3. Temporary visa holder research doctorate recipients with definite postgraduation commitments, by major field of doctorate: 2025

(Number)

Field of doctorate	Temporary visa holder doctorate recipients	Doctorate recipients with definite commitments	Location of definite commitments						
			United States					Abroad	Unknown
			Total	Postdoctoral study	Academic employment	Industry employment ^a	Other sector or unknown ^b		
Temporary visa holder doctorate recipients reporting postgraduation commitments	19,340	12,638	10,387	4,815	1,765	3,482	325	2,231	20
Science and engineering	16,741	11,078	9,312	4,559	1,078	3,418	257	1,749	17
Agricultural sciences and natural resources	518	341	285	206	34	39	6	56	0
Agricultural, animal, plant, and veterinary sciences	387	262	218	160	24	31	3	44	0
Natural resources and conservation	131	79	67	46	10	8	3	12	0
Biological and biomedical sciences	2,313	1,518	1,352	1,042	75	203	32	162	4
Biochemistry, biophysics, and molecular biology	450	297	274	231	8	33	2	D	D
Bioinformatics, biostatistics, and computational biology	327	221	D	90	22	D	11	D	1
Biological and biomedical sciences, general	217	122	111	95	8	8	0	10	1
Cell/ cellular biology and anatomy	155	99	D	77	D	5	1	D	0
Ecology, evolutionary biology, and epidemiology	185	120	96	76	10	6	4	24	0
Genetics and genomics	107	73	63	46	D	12	D	10	0
Microbiology and immunology	190	128	116	98	5	11	2	12	0
Neurobiology and neurosciences	246	173	152	128	D	D	4	21	0
Pharmacology and toxicology	76	50	47	35	D	10	D	D	D
Physiology, oncology, and cancer biology	194	122	111	97	7	5	2	11	0
Biological and biomedical sciences, other	166	113	88	69	D	D	3	25	0
Computer and information sciences	1,679	1,189	1,062	227	179	640	16	127	0
Computer science	1,147	806	726	161	109	441	15	80	0
Computer and information sciences, other	532	383	336	66	70	199	1	47	0
Engineering	5,416	3,450	3,036	1,256	218	1,484	78	410	4
Aerospace, aeronautical, astronautical, and space engineering	228	140	118	59	19	40	0	22	0
Biological, biomedical, and biosystems engineering	423	245	227	161	5	59	2	18	0
Chemical and petroleum engineering	585	365	311	139	5	161	6	54	0
Civil, environmental, and transportation engineering	736	461	407	187	31	163	26	53	1
Electrical and computer engineering	1,290	892	787	197	59	513	18	105	0
Engineering technologies	252	167	D	D	8	78	7	D	0
Industrial engineering and operations research	374	233	D	D	36	105	3	D	0
Materials and mining engineering	415	271	241	124	6	109	2	29	1
Mechanical engineering	792	478	428	198	32	190	8	49	1
Engineering, other	321	198	D	D	17	66	6	D	1
Geosciences, atmospheric, and ocean sciences	305	202	154	119	6	22	7	48	0
Geological and earth sciences	187	120	85	59	D	D	4	35	0
Ocean, marine, and atmospheric sciences	118	82	69	60	D	D	3	13	0

Table 6-3. Temporary visa holder research doctorate recipients with definite postgraduation commitments, by major field of doctorate: 2025

(Number)

Field of doctorate	Temporary visa holder doctorate recipients	Doctorate recipients with definite commitments	Location of definite commitments						
			United States					Abroad	Unknown
			Total	Postdoctoral study	Academic employment	Industry employment ^a	Other sector or unknown ^b		
Health sciences	594	370	283	173	45	50	15	86	1
Nursing and nursing science	76	55	D	18	D	0	0	D	0
Pharmacy and pharmaceutical sciences	186	112	103	58	D	D	5	9	0
Public health	150	92	D	51	13	D	7	D	0
Health sciences, other	182	111	82	46	24	9	3	28	1
Mathematics and statistics	1,016	697	542	238	84	206	14	153	2
Applied mathematics	214	144	124	54	24	45	1	20	0
Mathematics	385	254	152	106	21	23	2	101	1
Statistics	417	299	266	78	39	138	11	32	1
Multidisciplinary/ interdisciplinary sciences	831	573	497	159	71	255	12	75	1
Interdisciplinary computer sciences	370	273	D	64	29	141	D	D	0
Multidisciplinary/ interdisciplinary sciences, other	461	300	D	95	42	114	D	D	1
Physical sciences	1,985	1,288	1,111	705	44	351	11	175	2
Astronomy and astrophysics	105	78	64	D	0	D	0	14	0
Chemistry	875	535	486	291	24	163	8	48	1
Materials sciences	154	93	84	D	D	35	0	9	0
Physics	851	582	477	310	D	D	3	104	1
Psychology	397	259	218	144	47	17	10	40	1
Clinical psychology	51	42	35	30	D	D	D	6	1
Counseling and applied psychology	111	72	61	35	D	D	4	11	0
Research and experimental psychology	175	110	D	57	20	12	D	D	0
Psychology, other	60	35	D	22	5	D	1	D	0
Social sciences	1,687	1,191	772	290	275	151	56	417	2
Anthropology	92	52	35	26	8	0	1	16	1
Area, ethnic, cultural, gender, and group studies	109	68	D	D	27	0	2	D	0
Economics	817	608	404	118	128	121	37	204	0
Political science and government	200	137	80	35	34	5	6	57	0
Public policy analysis	63	51	D	16	9	D	6	D	0
Sociology, demography, and population studies	108	78	46	D	21	D	0	32	0
Social sciences, other	298	197	123	52	48	19	4	73	1
Non-science and engineering	2,599	1,560	1,075	256	687	64	68	482	3
Business	634	474	366	26	288	39	13	107	1
Business administration and management	179	121	86	13	60	9	4	35	0
Business, other	455	353	280	13	228	30	9	72	1
Education	505	260	155	D	82	D	19	105	0

Table 6-3. Temporary visa holder research doctorate recipients with definite postgraduation commitments, by major field of doctorate: 2025

(Number)

Field of doctorate	Temporary visa holder doctorate recipients	Doctorate recipients with definite commitments	Location of definite commitments						
			United States					Abroad	Unknown
			Total	Postdoctoral study	Academic employment	Industry employment ^a	Other sector or unknown ^b		
Education leadership and administration	92	48	17	D	D	0	3	31	0
Education research	193	97	D	25	40	D	7	D	0
Teacher education and teaching fields	172	96	52	D	26	D	8	44	0
Education, other	48	19	D	6	D	0	1	D	0
Humanities	677	373	242	D	138	D	12	131	0
English language and literature, letters	115	57	39	9	29	0	1	18	0
Foreign languages, literatures, and linguistics	222	108	82	23	56	0	3	26	0
History	138	92	61	27	D	D	1	31	0
Philosophy and religious studies	121	72	42	D	12	D	1	30	0
Humanities, other	81	44	18	D	D	0	6	26	0
Visual and performing arts	182	83	55	D	26	D	11	28	0
Performing arts	109	38	23	5	9	0	9	15	0
Visual arts, media studies, and design	73	45	32	D	17	D	2	13	0
Other non-science and engineering	601	370	257	76	153	15	13	111	2
Communication and journalism	168	109	81	D	58	D	2	27	1
Multidisciplinary/ interdisciplinary studies	73	40	D	D	16	0	2	D	1
Public administration and social services	90	53	D	13	19	D	3	D	0
Non-science and engineering, other	270	168	112	37	60	9	6	56	0

D = suppressed to avoid disclosure of confidential information.

^a Industry employment includes doctorate recipients reporting self-employment.

^b Other sector or unknown includes doctorate recipients reporting government, nonprofit, elementary or secondary school, or other employment and those with unknown employment in the United States.

Note(s):

A definite postgraduation commitment includes accepting new employment or a postdoctoral study (postdoc) position or returning to predoctoral employment. The survey data collection for the field of study changed in 2021, which may affect the data comparisons across years. This table uses the new field taxonomy based on a modified version of the 2020 Classification of Instructional Programs (CIP) codes and does not match data that uses the trend field taxonomy. 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.

Table 6-4. Female research doctorate recipients with definite postgraduation commitments, by major field of doctorate: 2025

(Number)

Field of doctorate	Female doctorate recipients	Doctorate recipients with definite commitments	Location of definite commitments						
			United States					Abroad	Unknown
			Total	Postdoctoral study	Academic employment	Industry employment ^a	Other sector or unknown ^b		
Female doctorate recipients reporting postgraduation commitments	28,801	16,992	15,852	6,357	4,404	2,832	2,259	1,117	23
Science and engineering	21,722	12,778	11,941	5,854	2,337	2,525	1,225	820	17
Agricultural sciences and natural resources	718	421	387	190	82	64	51	34	0
Agricultural, animal, plant, and veterinary sciences	456	265	241	119	61	48	13	24	0
Natural resources and conservation	262	156	146	71	21	16	38	10	0
Biological and biomedical sciences	5,634	3,065	2,921	1,985	341	437	158	138	6
Biochemistry, biophysics, and molecular biology	731	390	374	266	26	70	12	D	D
Bioinformatics, biostatistics, and computational biology	338	203	194	86	25	70	13	8	1
Biological and biomedical sciences, general	582	268	D	D	44	29	14	D	1
Cell/ cellular biology and anatomy	486	247	239	171	32	28	8	8	0
Ecology, evolutionary biology, and epidemiology	686	435	406	268	57	36	45	28	1
Genetics and genomics	296	152	144	101	11	29	3	8	0
Microbiology and immunology	669	351	333	243	30	44	16	18	0
Neurobiology and neurosciences	783	439	428	313	39	60	16	11	0
Pharmacology and toxicology	248	144	140	96	13	26	5	D	D
Physiology, oncology, and cancer biology	444	237	D	D	37	24	9	D	0
Biological and biomedical sciences, other	371	199	188	123	27	21	17	11	0
Computer and information sciences	764	467	431	108	113	194	16	36	0
Computer science	476	299	277	68	66	131	12	22	0
Computer and information sciences, other	288	168	154	40	47	63	4	14	0
Engineering	3,148	1,716	1,618	646	189	668	115	96	2
Aerospace, aeronautical, astronautical, and space engineering	112	65	D	D	12	28	3	D	0
Biological, biomedical, and biosystems engineering	620	282	273	157	19	86	11	9	0
Chemical and petroleum engineering	438	237	221	89	8	112	12	16	0
Civil, environmental, and transportation engineering	458	264	251	103	32	82	34	12	1
Electrical and computer engineering	432	253	236	62	29	134	11	16	1
Engineering technologies	78	56	D	D	9	17	2	D	0
Industrial engineering and operations research	228	135	126	25	31	55	15	9	0
Materials and mining engineering	263	157	150	73	10	60	7	7	0
Mechanical engineering	334	166	156	67	20	57	12	10	0
Engineering, other	185	101	93	29	19	37	8	8	0
Geosciences, atmospheric, and ocean sciences	572	361	334	205	42	39	48	27	0
Geological and earth sciences	293	178	165	94	25	26	20	13	0
Ocean, marine, and atmospheric sciences	279	183	169	111	17	13	28	14	0
Health sciences	2,048	1,244	1,172	350	434	175	213	71	1
Nursing and nursing science	589	375	344	71	174	31	68	31	0

Table 6-4. Female research doctorate recipients with definite postgraduation commitments, by major field of doctorate: 2025

(Number)

Field of doctorate	Female doctorate recipients	Doctorate recipients with definite commitments	Location of definite commitments						
			United States					Abroad	Unknown
			Total	Postdoctoral study	Academic employment	Industry employment ^a	Other sector or unknown ^b		
Pharmacy and pharmaceutical sciences	216	112	D	54	12	36	D	D	0
Public health	566	340	D	131	82	38	D	D	0
Health sciences, other	677	417	397	94	166	70	67	19	1
Mathematics and statistics	635	401	352	144	94	94	20	49	0
Applied mathematics	164	99	90	42	26	18	4	9	0
Mathematics	256	161	134	73	42	11	8	27	0
Statistics	215	141	128	29	26	65	8	13	0
Multidisciplinary/ interdisciplinary sciences	717	422	390	147	88	120	35	31	1
Interdisciplinary computer sciences	185	116	109	35	20	46	8	7	0
Multidisciplinary/ interdisciplinary sciences, other	532	306	281	112	68	74	27	24	1
Physical sciences	1,855	1,008	919	454	87	327	51	88	1
Astronomy and astrophysics	121	91	D	57	D	D	1	D	0
Chemistry	1,159	594	567	244	60	223	40	26	1
Materials sciences	125	65	D	28	D	D	1	D	0
Physics	450	258	223	125	19	70	9	35	0
Psychology	3,025	1,981	1,935	1,184	303	212	236	43	3
Clinical psychology	940	730	D	605	32	32	D	D	1
Counseling and applied psychology	1,010	691	675	348	119	87	121	15	1
Research and experimental psychology	620	372	353	156	100	62	35	18	1
Psychology, other	455	188	D	75	52	31	D	D	0
Social sciences	2,606	1,692	1,482	441	564	195	282	207	3
Anthropology	297	169	150	D	47	D	24	18	1
Area, ethnic, cultural, gender, and group studies	269	149	134	41	66	10	17	15	0
Economics	511	351	287	D	94	D	45	64	0
Political science and government	276	191	163	60	65	16	22	28	0
Public policy analysis	239	171	162	29	50	21	62	9	0
Sociology, demography, and population studies	386	263	239	72	115	16	36	24	0
Social sciences, other	628	398	347	93	127	51	76	49	2
Non-science and engineering	7,079	4,214	3,911	503	2,067	307	1,034	297	6
Business	598	392	345	20	241	49	35	46	1
Business administration and management	210	103	91	6	54	17	14	12	0
Business, other	388	289	254	14	187	32	21	34	1
Education	2,993	1,857	1,773	140	830	126	677	83	1
Education leadership and administration	887	593	563	16	297	29	221	29	1
Education research	880	525	508	43	235	58	172	17	0
Teacher education and teaching fields	856	535	D	60	219	D	198	D	0

Table 6-4. Female research doctorate recipients with definite postgraduation commitments, by major field of doctorate: 2025

(Number)

Field of doctorate	Female doctorate recipients	Doctorate recipients with definite commitments	Location of definite commitments						
			United States					Abroad	Unknown
			Total	Postdoctoral study	Academic employment	Industry employment ^a	Other sector or unknown ^b		
Education, other	370	204	D	21	79	D	86	D	0
Humanities	1,694	923	848	173	494	56	125	74	1
English language and literature, letters	643	351	332	D	229	D	29	18	1
Foreign languages, literatures, and linguistics	314	158	143	20	96	6	21	15	0
History	353	216	195	62	80	12	41	21	0
Philosophy and religious studies	241	133	123	41	59	7	16	10	0
Humanities, other	143	65	55	D	30	D	18	10	0
Visual and performing arts	449	243	219	37	122	13	47	24	0
Performing arts	254	123	112	D	66	D	24	11	0
Visual arts, media studies, and design	195	120	107	D	56	D	23	13	0
Other non-science and engineering	1,345	799	726	133	380	63	150	70	3
Communication and journalism	383	217	200	34	134	11	21	15	2
Multidisciplinary/ interdisciplinary studies	205	125	107	18	57	6	26	17	1
Public administration and social services	365	229	222	41	91	27	63	7	0
Non-science and engineering, other	392	228	197	40	98	19	40	31	0

D = suppressed to avoid disclosure of confidential information.

^a Industry employment includes doctorate recipients reporting self-employment.

^b Other sector or unknown includes doctorate recipients reporting government, nonprofit, elementary or secondary school, or other employment and those with unknown employment in the United States.

Note(s):

A definite postgraduation commitment includes accepting new employment or a postdoctoral study (postdoc) position or returning to predoctoral employment. The survey data collection for the field of study changed in 2021, which may affect the data comparisons across years. This table uses the new field taxonomy based on a modified version of the 2020 Classification of Instructional Programs (CIP) codes and does not match data that uses the trend field taxonomy. 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.

Table 6-5. Male research doctorate recipients with definite postgraduation commitments, by major field of doctorate: 2025

(Number)

Field of doctorate	Male doctorate recipients	Doctorate recipients with definite commitments	Location of definite commitments						
			United States					Abroad	Unknown
			Total	Postdoctoral study	Academic employment	Industry employment ^a	Other sector or unknown ^b		
Male doctorate recipients reporting postgraduation commitments	30,214	18,307	16,453	6,536	3,340	4,963	1,614	1,835	19
Science and engineering	25,550	15,506	13,978	6,165	2,018	4,723	1,072	1,512	16
Agricultural sciences and natural resources	607	395	358	178	78	69	33	37	0
Agricultural, animal, plant, and veterinary sciences	419	273	246	127	51	55	13	27	0
Natural resources and conservation	188	122	112	51	27	14	20	10	0
Biological and biomedical sciences	4,316	2,395	2,267	1,603	226	324	114	127	1
Biochemistry, biophysics, and molecular biology	790	419	400	303	21	62	14	19	0
Bioinformatics, biostatistics, and computational biology	404	248	239	110	37	75	17	9	0
Biological and biomedical sciences, general	386	176	D	D	8	15	8	D	0
Cell/ cellular biology and anatomy	298	146	138	108	14	13	3	8	0
Ecology, evolutionary biology, and epidemiology	392	258	237	156	36	11	34	21	0
Genetics and genomics	192	96	88	64	8	14	2	8	0
Microbiology and immunology	467	232	223	171	26	20	6	9	0
Neurobiology and neurosciences	560	323	299	246	13	35	5	23	1
Pharmacology and toxicology	145	74	74	48	5	20	1	0	0
Physiology, oncology, and cancer biology	401	253	D	D	41	42	5	D	0
Biological and biomedical sciences, other	281	170	147	94	17	17	19	23	0
Computer and information sciences	2,238	1,425	1,307	251	226	755	75	117	1
Computer science	1,551	971	899	184	149	529	37	72	0
Computer and information sciences, other	687	454	408	67	77	226	38	45	1
Engineering	7,728	4,625	4,226	1,509	337	2,066	314	393	6
Aerospace, aeronautical, astronautical, and space engineering	516	308	D	D	35	122	31	D	0
Biological, biomedical, and biosystems engineering	770	395	380	236	16	117	11	15	0
Chemical and petroleum engineering	847	474	425	174	14	223	14	48	1
Civil, environmental, and transportation engineering	818	508	455	170	34	198	53	53	0
Electrical and computer engineering	1,679	1,100	1,002	210	77	647	68	97	1
Engineering technologies	296	184	D	D	12	94	11	D	0
Industrial engineering and operations research	438	273	243	47	42	119	35	30	0
Materials and mining engineering	604	350	315	156	13	132	14	34	1
Mechanical engineering	1,230	722	670	259	60	304	47	50	2
Engineering, other	530	311	289	115	34	110	30	21	1
Geosciences, atmospheric, and ocean sciences	620	414	359	228	35	63	33	55	0
Geological and earth sciences	348	230	190	104	21	48	17	40	0
Ocean, marine, and atmospheric sciences	272	184	169	124	14	15	16	15	0
Health sciences	863	525	490	202	120	90	78	35	0
Nursing and nursing science	70	43	37	7	14	5	11	6	0

Table 6-5. Male research doctorate recipients with definite postgraduation commitments, by major field of doctorate: 2025

(Number)

Field of doctorate	Male doctorate recipients	Doctorate recipients with definite commitments	Location of definite commitments						
			United States					Abroad	Unknown
			Total	Postdoctoral study	Academic employment	Industry employment ^a	Other sector or unknown ^b		
Pharmacy and pharmaceutical sciences	202	108	D	52	8	34	D	D	0
Public health	230	150	D	70	29	19	D	D	0
Health sciences, other	361	224	205	73	69	32	31	19	0
Mathematics and statistics	1,434	893	742	311	163	227	41	148	3
Applied mathematics	280	176	160	62	39	52	7	16	0
Mathematics	711	414	306	166	71	57	12	107	1
Statistics	443	303	276	83	53	118	22	25	2
Multidisciplinary/ interdisciplinary sciences	1,064	679	624	168	107	307	42	54	1
Interdisciplinary computer sciences	488	324	297	78	41	162	16	27	0
Multidisciplinary/ interdisciplinary sciences, other	576	355	327	90	66	145	26	27	1
Physical sciences	3,477	2,050	1,827	1,084	126	541	76	220	3
Astronomy and astrophysics	216	152	D	111	D	D	4	D	0
Chemistry	1,468	817	763	425	55	250	33	54	0
Materials sciences	201	118	D	56	D	D	4	D	0
Physics	1,592	963	821	492	60	234	35	139	3
Psychology	916	585	564	287	113	88	76	21	0
Clinical psychology	239	174	D	135	9	8	D	D	0
Counseling and applied psychology	305	206	200	79	41	46	34	6	0
Research and experimental psychology	254	148	142	52	49	23	18	6	0
Psychology, other	118	57	D	21	14	11	D	D	0
Social sciences	2,287	1,520	1,214	344	487	193	190	305	1
Anthropology	136	70	59	D	23	D	3	11	0
Area, ethnic, cultural, gender, and group studies	150	80	71	29	36	0	6	9	0
Economics	879	640	471	D	159	D	70	169	0
Political science and government	358	229	179	64	81	13	21	49	1
Public policy analysis	144	97	86	23	23	8	32	11	0
Sociology, demography, and population studies	202	140	127	39	64	8	16	13	0
Social sciences, other	418	264	221	48	101	30	42	43	0
Non-science and engineering	4,664	2,801	2,475	371	1,322	240	542	323	3
Business	752	517	441	29	305	66	41	75	1
Business administration and management	251	145	119	12	70	18	19	26	0
Business, other	501	372	322	17	235	48	22	49	1
Education	1,055	695	643	50	321	48	224	51	1
Education leadership and administration	358	255	246	11	126	13	96	8	1
Education research	314	195	182	21	83	23	55	13	0
Teacher education and teaching fields	268	180	D	12	84	D	50	D	0

Table 6-5. Male research doctorate recipients with definite postgraduation commitments, by major field of doctorate: 2025

(Number)

Field of doctorate	Male doctorate recipients	Doctorate recipients with definite commitments	Location of definite commitments						
			United States					Abroad	Unknown
			Total	Postdoctoral study	Academic employment	Industry employment ^a	Other sector or unknown ^b		
Education, other	115	65	D	6	28	D	23	D	0
Humanities	1,661	897	789	197	367	53	172	107	1
English language and literature, letters	341	179	168	D	104	D	17	11	0
Foreign languages, literatures, and linguistics	228	104	84	21	49	7	7	20	0
History	426	245	221	66	93	18	44	24	0
Philosophy and religious studies	387	198	166	55	83	8	20	31	1
Humanities, other	279	171	150	D	38	D	84	21	0
Visual and performing arts	344	173	152	23	93	13	23	21	0
Performing arts	240	118	103	D	61	D	20	15	0
Visual arts, media studies, and design	104	55	49	D	32	D	3	6	0
Other non-science and engineering	852	519	450	72	236	60	82	69	0
Communication and journalism	201	124	106	14	72	10	10	18	0
Multidisciplinary/ interdisciplinary studies	144	79	70	14	34	6	16	9	0
Public administration and social services	167	98	89	12	41	13	23	9	0
Non-science and engineering, other	340	218	185	32	89	31	33	33	0

D = suppressed to avoid disclosure of confidential information.

^a Industry employment includes doctorate recipients reporting self-employment.

^b Other sector or unknown includes doctorate recipients reporting government, nonprofit, elementary or secondary school, or other employment and those with unknown employment in the United States.

Note(s):

A definite postgraduation commitment includes accepting new employment or a postdoctoral study (postdoc) position or returning to predoctoral employment. The survey data collection for the field of study changed in 2021, which may affect the data comparisons across years. This table uses the new field taxonomy based on a modified version of the 2020 Classification of Instructional Programs (CIP) codes and does not match data that uses the trend field taxonomy. 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.

Table 6-6. Median basic annual salary for research doctorate recipients with definite postgraduation plans in the United States, by broad field of doctorate, type of postgraduation plans, and sex: 2025

(Dollars)

Field of doctorate	Total with definite plan ^a			Employment			Postdoctoral study		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
Doctorate recipients reporting annual salary	75,000	80,000	71,500	100,000	114,750	87,800	65,000	65,000	64,480
Science and engineering	75,000	82,000	70,000	109,000	120,000	95,000	65,000	65,000	65,000
Agricultural sciences and natural resources	68,000	69,000	67,000	85,000	92,000	80,000	60,000	60,000	60,000
Biological and biomedical sciences	66,737	67,000	66,000	95,000	100,000	90,000	64,000	65,000	64,000
Computer and information sciences	150,000	160,000	120,000	170,000	175,000	150,000	75,000	75,000	75,000
Engineering	97,000	100,000	90,000	125,000	128,000	115,000	65,000	65,000	65,000
Geosciences, atmospheric, and ocean sciences	70,000	71,000	70,000	85,500	90,000	80,000	68,000	68,000	67,900
Health sciences	80,000	80,000	80,000	96,000	100,000	95,000	65,000	65,000	65,000
Mathematics and statistics	78,500	80,000	75,000	110,000	117,442	95,000	70,000	70,000	70,000
Multidisciplinary/ interdisciplinary sciences	100,000	120,000	83,250	135,000	150,000	109,500	68,000	70,000	67,100
Physical sciences	76,000	75,000	80,000	115,000	115,000	110,000	67,600	68,000	67,000
Psychology	65,000	68,000	65,000	80,000	85,000	80,000	61,008	61,008	61,008
Social sciences	75,000	80,000	73,000	89,000	96,500	85,000	65,000	67,000	65,000
Non-science and engineering	75,000	76,000	74,000	79,000	80,000	76,950	61,803	61,000	62,000
Business	138,000	145,000	128,000	140,000	147,250	130,000	70,000	75,000	66,000
Education	80,000	82,000	79,787	82,000	85,000	80,000	64,240	65,000	63,000
Humanities	62,000	62,000	62,000	64,000	65,000	63,000	60,000	60,000	61,000
Visual and performing arts	60,000	60,000	60,000	60,000	60,000	60,000	60,000	65,000	59,000
Other non-science and engineering	75,000	78,000	72,000	78,000	80,000	75,000	63,500	64,000	63,000

^a Total with definite plan includes doctorate recipients who reported having a postgraduation plan and salary but did not report type of postgraduation plan.

Note(s):
A definite postgraduation commitment includes accepting new employment or a postdoctoral study (postdoc) position or returning to predoctoral employment. Basic annual salary is based on the job or postdoctoral study expected to be held after graduation. Median salaries in this table are the 50th percentile of the exact salary data provided and are rounded to the nearest dollar. The survey data collection for the field of study changed in 2021, which may affect the data comparisons across years. This table uses the new field taxonomy based on a modified version of the 2020 Classification of Instructional Programs (CIP) codes and does not match data that uses the trend field taxonomy. 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.

Table 6-7. Median basic annual salary for research doctorate recipients with definite postgraduation commitments for non-postdoc employment in the United States, by broad field of doctorate and employment sector: 2025

(Dollars)

Field of doctorate	Total with definite plan ^a	Academe	Industry or business ^b	Government	Nonprofit organization	Other or unknown ^c
Doctorate recipients reporting annual salary	100,000	75,006	131,000	100,000	93,800	90,000
Science and engineering	109,000	80,000	134,190	100,000	100,000	80,000
Agricultural sciences and natural resources	85,000	77,100	100,000	90,000	80,000	67,500
Biological and biomedical sciences	95,000	70,000	120,000	89,000	90,000	74,000
Computer and information sciences	170,000	100,000	185,000	143,000	160,250	105,000
Engineering	125,000	95,000	130,000	108,000	118,000	76,000
Geosciences, atmospheric, and ocean sciences	85,500	62,396	100,000	86,960	93,500	D
Health sciences	96,000	85,000	120,000	107,000	110,000	86,000
Mathematics and statistics	110,000	69,000	160,000	119,500	105,000	94,000
Multidisciplinary/ interdisciplinary sciences	135,000	88,650	170,000	117,000	100,500	70,250
Physical sciences	115,000	65,000	125,000	95,000	90,000	61,750
Psychology	80,000	71,000	100,000	90,000	90,000	78,000
Social sciences	89,000	75,000	150,000	101,000	97,000	94,500
Non-science and engineering	79,000	73,000	100,000	100,000	80,000	90,000
Business	140,000	140,000	150,000	140,000	115,000	97,000
Education	82,000	75,000	97,000	91,500	90,000	95,000
Humanities	64,000	61,000	72,000	79,000	70,000	65,000
Visual and performing arts	60,000	60,000	65,000	-	60,000	63,000
Other non-science and engineering	78,000	72,750	105,250	100,000	88,000	73,000

- = not calculable; D = suppressed to avoid disclosure of confidential information.

^a Total with definite plan includes doctorate recipients who did not report employment sector.^b Industry or business includes doctorate recipients reporting self-employment.^c Other is mainly composed of elementary and secondary schools.**Note(s):**

A definite postgraduation commitment for non-postdoc employment includes accepting new employment or returning to predoctoral employment that is not a postdoctoral study (postdoc) position. Basic annual salary is based on the job expected to be held after graduation. Median salaries in this table are the 50th percentile of the exact salary data provided and are rounded to the nearest dollar. The survey data collection for the field of study changed in 2021, which may affect the data comparisons across years. This table uses the new field taxonomy based on a modified version of the 2020 Classification of Instructional Programs (CIP) codes and does not match data that uses the trend field taxonomy. 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.

Table 7-1. Doctorate-granting institutions and research doctorate recipients per institution: 1973–2025

(Number, mean, and median)

Year	Doctorate-granting institutions (number)	Doctorate recipients		
		Total (number)	Mean per institution	Median per institution
1973	282	33,755	119.7	43.5
1974	288	33,047	114.7	41.0
1975	289	32,952	114.0	45.0
1976	291	32,946	113.2	45.0
1977	299	31,716	106.1	44.0
1978	303	30,875	101.9	39.0
1979	305	31,238	102.4	42.0
1980	313	31,019	99.1	38.0
1981	316	31,355	99.2	41.0
1982	322	31,108	96.6	35.0
1983	326	31,280	96.0	37.0
1984	326	31,334	96.1	39.5
1985	331	31,295	94.5	37.0
1986	333	31,897	95.8	38.0
1987	343	32,365	94.4	40.0
1988	345	33,497	97.1	36.0
1989	350	34,325	98.1	36.5
1990	348	36,065	103.6	43.0
1991	357	37,530	105.1	39.0
1992	360	38,886	108.0	43.5
1993	366	39,800	108.7	42.5
1994	368	41,034	111.5	43.0
1995	376	41,747	111.0	43.0
1996	384	42,437	110.5	44.0
1997	379	42,539	112.2	45.0
1998	382	42,636	111.6	44.5
1999	389	41,101	105.7	43.0
2000	403	41,369	102.7	41.0
2001	411	40,744	99.1	37.0
2002	410	40,031	97.6	38.0
2003	418	40,762	97.5	36.5
2004	413	42,122	102.0	39.0
2005	413	43,385	105.0	42.0
2006	413	45,620	110.5	41.0
2007	408	48,132	118.0	46.0
2008	415	48,776	117.5	43.0
2009	416	49,552	119.1	46.0
2010	411	48,028	116.9	44.0
2011	405	48,909	120.8	44.0
2012	412	50,943	123.6	46.5
2013	417	52,703	126.4	44.0
2014	422	53,986	127.9	47.0
2015	426	54,886	128.8	46.0
2016	430	54,809	127.5	48.0
2017	425	54,550	128.4	50.0
2018	428	55,077	128.7	48.5
2019	447	55,597	124.4	40.0
2020	450	55,200	122.7	40.5
2021	447	52,158	116.7	41.0
2022	457	57,435	125.7	42.0
2023	459	57,801	125.9	39.0
2024	459	58,013	126.4	44.0

Table 7-1. Doctorate-granting institutions and research doctorate recipients per institution: 1973–2025

(Number, mean, and median)

Year	Doctorate-granting institutions (number)	Doctorate recipients		
		Total (number)	Mean per institution	Median per institution
2025	460	59,015	128.3	44.5

Source(s):
National Center for Science and Engineering Statistics, Survey of Earned Doctorates.

Table 7-2. Top 50 doctorate-granting institutions ranked by total number of research doctorate recipients, by sex: 2025

(Number)

Institution	Rank	Total ^a	Male	Female
U. Michigan, Ann Arbor	1	919	501	418
U. Illinois, Urbana-Champaign	2	846	517	329
U. Wisconsin-Madison	3	830	430	400
U. Texas, Austin	4	821	459	362
U. California, Berkeley	5	798	481	317
Pennsylvania State U.	6	797	430	367
Texas A&M U., College Station	7	772	460	312
Purdue U., West Lafayette	8	767	496	271
U. Florida	9	761	389	372
U. California, Los Angeles	10	747	417	330
Ohio State U., Columbus	11	728	392	336
Stanford U.	12	717	416	301
Harvard U.	13	708	372	336
Massachusetts Institute of Technology	14	704	475	229
Columbia U. in the City of New York	15	691	370	321
Walden U.	16	690	167	523
U. Washington, Seattle	17	683	326	357
U. California, San Diego	18	660	383	277
U. Minnesota, Twin Cities	19	657	321	336
Cornell U.	20	628	326	302
U. Maryland, College Park	21	607	354	253
Georgia Institute of Technology	22	600	405	195
U. California, Davis	23	589	284	305
Arizona State U., Tempe	24	584	322	262
U. Pennsylvania	25	560	299	261
North Carolina State U.	26	554	287	267
U. California, Irvine	27	547	292	255
U. North Carolina, Chapel Hill	28	538	228	310
Johns Hopkins U.	29	534	295	239
Virginia Polytechnic Institute and State U.	30	528	302	226
U. Southern California	31	506	281	225
Michigan State U.	32	487	255	232
U. Colorado Boulder	33	486	277	209
U. Georgia	34	480	204	276
Northwestern U.	35	477	251	226
Yale U.	36	466	247	219
Princeton U.	37	463	286	177
New York U.	38	461	237	224
U. Pittsburgh, Pittsburgh	39	436	227	209
U. Chicago	40	431	255	176
Duke U.	41	422	225	197
U. Arizona	42	405	181	224
Rutgers, State U. New Jersey, New Brunswick	43	398	197	201
Florida State U.	44	385	183	202
Boston U.	45	381	188	193
Texas Tech U.	45	381	186	195
Carnegie Mellon U.	47	368	265	103
U. Utah	48	366	205	161
U. Tennessee, Knoxville	49	362	201	161
U. California, Santa Barbara	50	359	206	153

^a Total includes doctorate recipients who did not report sex.

Note(s):

Tied institutions are listed alphabetically.

Source(s):

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

Table 7-3. Top 20 doctorate-granting institutions ranked by total number of research doctorate recipients, by broad field of doctorate and sex: 2025

(Number)

Field and institution	Rank	Total ^a	Male	Female
Science and engineering	-	47,272	25,550	21,722
From top 20 institutions	-	13,184	7,717	5,467
U. Michigan, Ann Arbor	1	782	439	343
U. Illinois, Urbana-Champaign	2	731	476	255
Purdue U., West Lafayette	3	697	461	236
U. California, Berkeley	3	697	427	270
U. Wisconsin-Madison	5	686	380	306
Pennsylvania State U.	6	680	391	289
Texas A&M U., College Station	7	661	410	251
Massachusetts Institute of Technology	8	656	451	205
U. Florida	9	641	342	299
U. California, Los Angeles	10	638	384	254
U. Texas, Austin	10	638	383	255
Stanford U.	12	629	374	255
U. Washington, Seattle	13	596	295	301
U. California, San Diego	14	591	351	240
Georgia Institute of Technology	15	574	390	184
Ohio State U., Columbus	16	570	325	245
Harvard U.	17	569	303	266
Cornell U.	18	553	290	263
Columbia U. in the City of New York	19	537	307	230
U. California, Davis	20	529	261	268
U. Minnesota, Twin Cities	20	529	277	252
Agricultural sciences and natural resources	-	1,325	607	718
From top 20 institutions	-	740	357	383
U. Florida	1	68	30	38
Cornell U.	2	46	26	20
North Carolina State U.	2	46	21	25
Virginia Polytechnic Institute and State U.	2	46	23	23
Texas A&M U., College Station	5	44	23	21
U. Georgia	6	42	19	23
U. Wisconsin-Madison	7	41	19	22
Kansas State U.	8	38	21	17
Ohio State U., Columbus	9	36	18	18
U. Illinois, Urbana-Champaign	9	36	13	23
U. California, Davis	11	33	11	22
Colorado State U., Fort Collins	12	32	14	18
Iowa State U.	13	31	13	18
Purdue U., West Lafayette	13	31	12	19
U. Nebraska, Lincoln	13	31	17	14
Louisiana State U., Baton Rouge	16	29	18	11
Michigan State U.	16	29	11	18
Mississippi State U.	18	28	18	10
Auburn U., Auburn	19	27	13	14
Oregon State U.	20	26	17	9
Biological and biomedical sciences	-	9,950	4,316	5,634
From top 20 institutions	-	2,885	1,272	1,613
Harvard U.	1	200	98	102
U. Michigan, Ann Arbor	2	170	69	101
Johns Hopkins U.	3	163	69	94
U. California, Davis	4	160	61	99
Yale U.	4	160	84	76

Table 7-3. Top 20 doctorate-granting institutions ranked by total number of research doctorate recipients, by broad field of doctorate and sex: 2025

(Number)

Field and institution	Rank	Total ^a	Male	Female
U. Wisconsin-Madison	6	157	79	78
U. California, San Diego	7	153	57	96
U. Florida	8	152	71	81
U. Pennsylvania	9	149	63	86
U. Washington, Seattle	9	149	52	97
U. California, Berkeley	11	148	75	73
U. North Carolina, Chapel Hill	12	136	50	86
U. California, Los Angeles	13	132	65	67
Washington U., Saint Louis	14	131	57	74
U. Minnesota, Twin Cities	15	128	55	73
Duke U.	16	126	50	76
Stanford U.	17	124	52	72
Ohio State U., Columbus	18	119	54	65
Columbia U. in the City of New York	19	115	59	56
U. Georgia	20	113	52	61
Computer and information sciences	-	3,002	2,238	764
From top 20 institutions	-	1,097	839	258
Massachusetts Institute of Technology	1	92	76	16
U. Illinois, Urbana-Champaign	2	89	64	25
Carnegie Mellon U.	3	70	49	21
Stanford U.	3	70	52	18
Georgia Institute of Technology	5	66	57	9
U. Maryland, College Park	6	65	49	16
U. California, Berkeley	7	64	45	19
U. California, San Diego	8	54	43	11
Cornell U.	9	52	30	22
Purdue U., West Lafayette	10	50	37	13
U. California, Irvine	11	49	41	8
U. California, Los Angeles	11	49	37	12
U. Southern California	13	47	35	12
Capitol C.	14	46	38	8
Pennsylvania State U.	15	42	31	11
U. Utah	16	40	32	8
Columbia U. in the City of New York	17	39	33	6
U. Texas, Austin	17	39	33	6
Northeastern U.	19	38	D	D
North Carolina State U.	20	36	D	D
Engineering	-	10,876	7,728	3,148
From top 20 institutions	-	4,192	2,983	1,209
Purdue U., West Lafayette	1	339	258	81
Georgia Institute of Technology	2	332	226	106
U. Illinois, Urbana-Champaign	3	273	213	60
Massachusetts Institute of Technology	4	258	176	82
Texas A&M U., College Station	5	255	203	52
Pennsylvania State U.	6	249	175	74
U. Texas, Austin	7	241	179	62
U. Michigan, Ann Arbor	8	219	157	62
Stanford U.	9	197	118	79
Virginia Polytechnic Institute and State U.	10	191	143	48
North Carolina State U.	11	175	120	55
Carnegie Mellon U.	12	170	129	41
U. California, Los Angeles	13	162	118	44

Table 7-3. Top 20 doctorate-granting institutions ranked by total number of research doctorate recipients, by broad field of doctorate and sex: 2025

(Number)

Field and institution	Rank	Total ^a	Male	Female
U. California, Berkeley	14	157	103	54
U. Wisconsin-Madison	15	154	110	44
Arizona State U., Tempe	16	153	108	45
U. California, San Diego	17	137	102	35
U. Florida	17	137	102	35
U. Colorado Boulder	19	133	81	52
Cornell U.	20	130	77	53
Johns Hopkins U.	20	130	85	45
Geosciences, atmospheric, and ocean sciences	-	1,192	620	572
From top 20 institutions	-	459	238	221
U. California, San Diego	1	45	27	18
Massachusetts Institute of Technology	2	36	18	18
U. Colorado Boulder	3	32	11	21
U. Washington, Seattle	4	31	17	14
U. Texas, Austin	5	29	20	9
Texas A&M U., College Station	6	22	13	9
U. Arizona	6	22	10	12
U. California, Los Angeles	6	22	13	9
U. California, Irvine	9	21	12	9
U. Miami	9	21	8	13
U. Michigan, Ann Arbor	11	20	13	7
U. Rhode Island	11	20	D	D
Pennsylvania State U.	13	19	11	8
U. Hawaii, Manoa	13	19	10	9
Columbia U. in the City of New York	15	18	6	12
U. California, Santa Cruz	15	18	7	11
Colorado State U., Fort Collins	17	17	D	D
California Institute of Technology	18	16	10	6
Virginia Polytechnic Institute and State U.	18	16	11	5
U. California, Santa Barbara	20	15	5	10
Health sciences	-	2,911	863	2,048
From top 20 institutions	-	961	294	667
Walden U.	1	117	25	92
U. North Carolina, Chapel Hill	2	72	18	54
U. Florida	3	57	21	36
U. Washington, Seattle	3	57	16	41
Johns Hopkins U.	5	52	14	38
U. Utah	6	48	19	29
Nova Southeastern U.	7	47	16	31
U. Wisconsin-Madison	7	47	16	31
Texas Woman's U.	9	42	6	36
U. Pittsburgh, Pittsburgh	10	41	18	23
U. Minnesota, Twin Cities	11	39	14	25
U. Texas Health Science Center, Houston	12	38	17	21
U. Texas, Austin	13	37	12	25
Harvard U.	14	35	14	21
Ohio State U., Columbus	14	35	12	23
U. Maryland, Baltimore	16	34	9	25
U. South Carolina, Columbia	16	34	12	22
Virginia Commonwealth U.	16	34	11	23
U. Cincinnati, Uptown West Campus	19	33	10	23
U. Alabama, Birmingham	20	31	8	23

Table 7-3. Top 20 doctorate-granting institutions ranked by total number of research doctorate recipients, by broad field of doctorate and sex: 2025

(Number)

Field and institution	Rank	Total ^a	Male	Female
U. Wisconsin-Milwaukee	20	31	6	25
Mathematics and statistics	-	2,069	1,434	635
From top 20 institutions	-	654	480	174
Columbia U. in the City of New York	1	36	26	10
U. Maryland, College Park	2	35	27	8
U. Michigan, Ann Arbor	2	35	22	13
U. Wisconsin-Madison	2	35	26	9
Harvard U.	5	34	23	11
North Carolina State U.	5	34	25	9
U. Illinois, Urbana-Champaign	5	34	26	8
Purdue U., West Lafayette	8	32	26	6
U. California, Los Angeles	8	32	D	D
U. Chicago	8	32	19	13
U. California, Irvine	11	31	23	8
U. Washington, Seattle	11	31	24	7
Cornell U.	13	29	20	9
U. California, Berkeley	13	29	21	8
U. Minnesota, Twin Cities	13	29	20	9
Massachusetts Institute of Technology	16	28	D	D
Ohio State U., Columbus	16	28	22	6
Stanford U.	16	28	19	9
U. California, San Diego	16	28	21	7
Duke U.	20	27	22	5
Florida State U.	20	27	15	12
Multidisciplinary/ interdisciplinary sciences	-	1,781	1,064	717
From top 20 institutions	-	661	416	245
U. Michigan, Ann Arbor	1	54	36	18
Georgia Institute of Technology	2	53	41	12
U. Washington, Seattle	3	50	32	18
U. California, Berkeley	4	41	31	10
U. California, San Diego	5	38	28	10
Massachusetts Institute of Technology	6	34	26	8
Pennsylvania State U.	7	32	19	13
Carnegie Mellon U.	8	31	20	11
Arizona State U., Tempe	9	30	17	13
New York U.	10	29	17	12
U. Texas, Austin	11	27	20	7
Ohio State U., Columbus	12	26	19	7
Stanford U.	12	26	20	6
U. Tennessee, Knoxville	14	23	9	14
George Mason U.	15	22	9	13
U. Minnesota, Twin Cities	15	22	10	12
Cornell U.	17	21	8	13
Nova Southeastern U.	17	21	9	12
U. Illinois, Urbana-Champaign	17	21	14	7
U. California, Davis	20	20	8	12
U. Colorado Boulder	20	20	14	6
U. Massachusetts, Amherst	20	20	9	11
Physical sciences	-	5,332	3,477	1,855
From top 20 institutions	-	1,681	1,133	548
U. California, Berkeley	1	116	84	32
U. Michigan, Ann Arbor	2	112	72	40

Table 7-3. Top 20 doctorate-granting institutions ranked by total number of research doctorate recipients, by broad field of doctorate and sex: 2025

(Number)

Field and institution	Rank	Total ^a	Male	Female
Harvard U.	3	107	70	37
Massachusetts Institute of Technology	4	103	73	30
U. Illinois, Urbana-Champaign	5	100	63	37
Cornell U.	6	86	63	23
U. Wisconsin-Madison	7	85	52	33
Stanford U.	8	84	58	26
Ohio State U., Columbus	9	83	59	24
Purdue U., West Lafayette	9	83	59	24
U. California, Los Angeles	11	80	58	22
U. Colorado Boulder	12	77	57	20
California Institute of Technology	13	75	51	24
Princeton U.	13	75	46	29
Texas A&M U., College Station	15	72	49	23
U. Florida	16	71	49	22
U. Washington, Seattle	17	70	44	26
U. California, Davis	18	69	43	26
U. California, Irvine	18	69	40	29
Pennsylvania State U.	20	64	43	21
Psychology	-	3,941	916	3,025
From top 20 institutions	-	1,063	240	823
Walden U.	1	236	51	185
Fielding Graduate U.	2	64	11	53
Palo Alto U.	3	59	11	48
U. Florida	4	50	7	43
U. Georgia	5	48	10	38
Alliant International U., San Diego	6	45	10	35
Pacifica Graduate Institute	6	45	10	35
CUNY, Graduate Center	8	43	9	34
Michigan State U.	8	43	12	31
U. Minnesota, Twin Cities	10	41	11	30
Florida State U.	11	40	16	24
Fordham U.	11	40	9	31
U. Connecticut, Storrs	13	38	6	32
Liberty U.	14	36	14	22
U. Illinois, Urbana-Champaign	14	36	11	25
U. Nebraska, Lincoln	16	35	10	25
U. Wisconsin-Madison	16	35	6	29
U. Michigan, Ann Arbor	18	33	D	D
Pennsylvania State U.	19	32	D	D
Texas Tech U.	19	32	11	21
U. California, Los Angeles	19	32	6	26
Social sciences	-	4,893	2,287	2,606
From top 20 institutions	-	1,549	754	795
Harvard U.	1	112	52	60
Columbia U. in the City of New York	2	90	48	42
U. Maryland, College Park	2	90	44	46
U. California, Los Angeles	4	88	43	45
U. Chicago	5	87	48	39
U. California, Berkeley	6	84	49	35
Princeton U.	7	80	52	28
U. Wisconsin-Madison	7	80	37	43
U. Texas, Austin	9	76	25	51

Table 7-3. Top 20 doctorate-granting institutions ranked by total number of research doctorate recipients, by broad field of doctorate and sex: 2025

(Number)

Field and institution	Rank	Total ^a	Male	Female
Ohio State U., Columbus	10	75	37	38
U. California, Irvine	11	73	31	42
U. Michigan, Ann Arbor	11	73	35	38
Walden U.	11	73	26	47
Cornell U.	14	71	25	46
U. Pennsylvania	14	71	39	32
U. California, Davis	16	69	31	38
Pennsylvania State U.	17	67	30	37
Stanford U.	18	66	36	30
Yale U.	19	63	35	28
George Mason U.	20	61	31	30
Non-science and engineering	-	11,743	4,664	7,079
From top 20 institutions	-	2,753	1,055	1,698
Walden U.	1	250	60	190
U. Texas, Austin	2	183	76	107
Ohio State U., Columbus	3	158	67	91
Texas Tech U.	4	156	50	106
Columbia U. in the City of New York	5	154	63	91
U. Wisconsin-Madison	6	144	50	94
Arizona State U., Tempe	7	139	61	78
Harvard U.	7	139	69	70
U. Georgia	7	139	46	93
U. Michigan, Ann Arbor	10	137	62	75
U. Minnesota, Twin Cities	11	128	44	84
Florida State U.	12	125	48	77
U. Florida	13	120	47	73
Pennsylvania State U.	14	117	39	78
U. Illinois, Urbana-Champaign	15	115	41	74
New York U.	16	112	44	68
Texas A&M U., College Station	17	111	50	61
U. California, Los Angeles	18	109	33	76
U. Pennsylvania	18	109	58	51
U. North Carolina, Chapel Hill	20	108	47	61
Business	-	1,350	752	598
From top 20 institutions	-	411	230	181
Walden U.	1	44	20	24
Rutgers, State U. New Jersey, Newark	2	29	13	16
U. Michigan, Ann Arbor	3	26	16	10
U. Texas, Austin	4	24	11	13
U. Texas, Dallas	4	24	16	8
Texas A&M U., College Station	6	23	15	8
Stanford U.	7	22	13	9
U. Pennsylvania	8	20	11	9
Cornell U.	9	18	11	7
U. South Alabama	9	18	6	12
Northwestern U.	11	16	11	5
U. Arizona, Global Campus	11	16	10	6
U. Illinois, Urbana-Champaign	11	16	6	10
Maharishi U. of Management	14	15	10	5
Texas Tech U.	14	15	10	5
U. Washington, Seattle	14	15	6	9
Iowa State U.	17	14	7	7

Table 7-3. Top 20 doctorate-granting institutions ranked by total number of research doctorate recipients, by broad field of doctorate and sex: 2025

(Number)

Field and institution	Rank	Total ^a	Male	Female
Purdue U., West Lafayette	17	14	D	D
Temple U.	17	14	9	5
U. Florida	17	14	D	D
U. South Carolina, Columbia	17	14	9	5
Education	-	4,048	1,055	2,993
From top 20 institutions	-	1,077	262	815
Texas Tech U.	1	102	26	76
Walden U.	2	87	11	76
U. Georgia	3	61	15	46
Clemson U.	4	57	17	40
North Carolina State U.	4	57	9	48
Auburn U., Auburn	6	56	11	45
Teachers C., Columbia U.	6	56	12	44
Ohio State U., Columbus	8	53	15	38
U. South Florida, Tampa	8	53	15	38
U. West Florida	10	50	16	34
U. Wisconsin-Madison	11	49	10	39
U. Florida	12	47	9	38
U. North Texas, Denton	13	46	10	36
George Mason U.	14	45	6	39
Old Dominion U.	14	45	15	30
Michigan State U.	16	44	16	28
U. Minnesota, Twin Cities	16	44	16	28
Oklahoma State U., Stillwater	18	42	15	27
Pennsylvania State U.	18	42	7	35
U. Kentucky	20	41	11	30
Humanities	-	3,355	1,661	1,694
From top 20 institutions	-	989	490	499
Princeton U.	1	70	29	41
Harvard U.	2	66	39	27
Columbia U. in the City of New York	3	57	24	33
CUNY, Graduate Center	4	54	28	26
Midwestern Baptist Theological Seminary	4	54	D	D
U. Chicago	6	52	32	20
U. Wisconsin-Madison	6	52	21	31
U. Michigan, Ann Arbor	8	50	19	31
U. North Carolina, Chapel Hill	8	50	25	25
U. Texas, Austin	10	49	19	30
Yale U.	10	49	19	30
U. California, Berkeley	12	48	28	20
Ohio State U., Columbus	13	46	25	21
U. Pennsylvania	13	46	26	20
New York U.	15	45	24	21
U. Virginia, Charlottesville	16	44	22	22
Florida State U.	17	42	17	25
Northwestern U.	18	40	14	26
Rutgers, State U. New Jersey, New Brunswick	19	38	12	26
U. California, Los Angeles	20	37	D	D
Visual and performing arts	-	793	344	449
From top 20 institutions	-	408	174	234
Arizona State U., Tempe	1	47	26	21
U. Miami	2	29	17	12

Table 7-3. Top 20 doctorate-granting institutions ranked by total number of research doctorate recipients, by broad field of doctorate and sex: 2025

(Number)

Field and institution	Rank	Total ^a	Male	Female
Columbia U. in the City of New York	3	26	9	17
Princeton U.	3	26	11	15
CUNY, Graduate Center	5	24	10	14
Harvard U.	6	23	6	17
Northwestern U.	7	20	6	14
U. Colorado Boulder	7	20	14	6
U. Oklahoma, Norman	7	20	9	11
U. Texas, Austin	7	20	7	13
Yale U.	11	19	5	14
New York U.	12	18	5	13
U. California, Los Angeles	13	17	6	11
U. California, San Diego	13	17	7	10
Indiana U., Bloomington	15	16	8	8
U. Pittsburgh, Pittsburgh	16	15	8	7
Ohio State U., Columbus	17	13	5	8
U. Memphis	17	13	7	6
U. North Carolina, Chapel Hill	17	13	D	D
U. California, Berkeley	20	12	D	D
Other non-science and engineering	-	2,197	852	1,345
From top 20 institutions	-	839	337	502
Walden U.	1	116	29	87
U. Texas, Austin	2	52	24	28
U. Illinois, Urbana-Champaign	3	46	13	33
Ohio State U., Columbus	4	40	18	22
U. Georgia	5	38	19	19
Arizona State U., Tempe	6	36	17	19
Texas A&M U., College Station	7	35	18	17
U. Missouri, Columbia	8	32	10	22
Massachusetts Institute of Technology	9	31	17	14
U. Michigan, Ann Arbor	10	30	12	18
Florida State U.	11	29	11	18
Pennsylvania State U.	12	28	16	12
Harvard U.	13	27	13	14
U. Florida	13	27	11	16
U. Minnesota, Twin Cities	13	27	7	20
Columbia U. in the City of New York	16	26	13	13
North Carolina State U.	16	26	9	17
Rutgers, State U. New Jersey, New Brunswick	18	25	D	D
Capitol C.	19	24	D	D
Louisiana State U., Baton Rouge	19	24	9	15
U. Central Florida	19	24	6	18
U. Kansas	19	24	10	14
U. North Carolina, Chapel Hill	19	24	11	13
U. Pennsylvania	19	24	15	9
U. Wisconsin-Madison	19	24	8	16

- = no value (rank) possible; D = suppressed to avoid disclosure of confidential information.

^a Total includes doctorate recipients who did not report sex.

Note(s):

Tied institutions are listed alphabetically. The survey data collection for the field of study changed in 2021, which may affect the data comparisons across years. This table uses the new field taxonomy based on a modified version of the 2020 Classification of Instructional Programs (CIP) codes and does not match data that uses the trend field taxonomy. 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.

Table 7-4. Top 20 doctorate-granting institutions ranked by number of minority U.S. citizen and permanent resident research doctorate recipients, by ethnicity and race: 5-year total, 2021–25

(Number)

Institution	Rank	Doctorate recipients
Hispanic or Latino (412 institutions)	-	17,115
From top 20 institutions	-	4,926
U. California, Los Angeles	1	362
U. California, Berkeley	2	323
U. Michigan, Ann Arbor	3	320
U. Florida	4	297
Texas A&M U., College Station	5	276
U. California, Irvine	6	264
Florida International U.	7	255
Walden U.	8	249
U. California, Davis	9	239
U. Texas, Austin	10	236
U. Puerto Rico, Rio Piedras	11	233
U. Wisconsin-Madison	12	228
U. California, San Diego	13	226
U. Illinois, Urbana-Champaign	14	210
Arizona State U., Tempe	15	206
U. Texas, El Paso	16	204
Harvard U.	17	203
Texas Tech U.	18	201
U. Arizona	19	197
U. Washington, Seattle	19	197
Not Hispanic or Latino	-	-
American Indian or Alaska Native (169 institutions)	-	550
From top 20 institutions	-	251
U. Memphis	1	25
U. Minnesota, Twin Cities	2	23
Oklahoma State U., Stillwater	3	18
U. Arizona	3	18
Walden U.	5	16
U. New Mexico, Albuquerque	6	14
U. North Dakota	6	14
U. Oklahoma, Norman	6	14
Arizona State U., Tempe	9	13
U. California, Davis	10	11
Ohio State U., Columbus	11	10
U. Montana, Missoula	11	10
U. Wisconsin-Madison	11	10
U. Kansas	14	9
U. Washington, Seattle	14	9
Northern Arizona U.	16	8
U. California, Los Angeles	16	8
North Carolina State U.	18	7
U. California, Riverside	18	7
U. Oregon	18	7
Asian (404 institutions)	-	18,638
From top 20 institutions	-	6,454
U. California, Berkeley	1	510
U. California, Los Angeles	2	504
Harvard U.	3	452
Massachusetts Institute of Technology	4	396
U. Michigan, Ann Arbor	5	390

Table 7-4. Top 20 doctorate-granting institutions ranked by number of minority U.S. citizen and permanent resident research doctorate recipients, by ethnicity and race: 5-year total, 2021–25

(Number)

Institution	Rank	Doctorate recipients
Stanford U.	6	388
Columbia U. in the City of New York	7	356
U. California, Irvine	8	322
U. Washington, Seattle	9	312
U. Pennsylvania	10	298
U. California, San Diego	11	288
U. California, Davis	12	285
Georgia Institute of Technology	13	277
U. Illinois, Urbana-Champaign	14	271
U. Southern California	15	262
U. Minnesota, Twin Cities	16	246
Johns Hopkins U.	17	231
U. Wisconsin-Madison	18	227
Yale U.	19	222
Purdue U., West Lafayette	20	217
Black or African American (410 institutions)	-	13,725
From top 20 institutions	-	4,074
Walden U.	1	1,476
Howard U.	2	262
U. Michigan, Ann Arbor	3	166
Jackson State U.	4	154
Louisiana State U., Baton Rouge	4	154
U. Georgia	6	142
Georgia State U.	7	140
North Carolina Agricultural and Technical State U.	8	139
Morgan State U.	9	137
U. Florida	10	135
Ohio State U., Columbus	11	132
U. North Carolina, Chapel Hill	11	132
Harvard U.	13	123
North Carolina State U.	14	121
U. Illinois, Urbana-Champaign	15	119
Hampton U.	16	115
Auburn U., Auburn	17	111
U. California, Los Angeles	18	109
Temple U.	19	104
Virginia Commonwealth U.	20	103
Other (363 institutions) ^a	-	6,550
From top 20 institutions	-	2,068
U. California, Berkeley	1	186
U. California, Los Angeles	2	142
Harvard U.	3	129
U. Michigan, Ann Arbor	3	129
U. Washington, Seattle	5	121
U. Hawaii, Manoa	6	119
U. California, Davis	7	107
U. Wisconsin-Madison	8	100
Stanford U.	9	99
Walden U.	9	99
U. California, San Diego	11	91
U. California, Irvine	12	89
U. North Carolina, Chapel Hill	13	82

Table 7-4. Top 20 doctorate-granting institutions ranked by number of minority U.S. citizen and permanent resident research doctorate recipients, by ethnicity and race: 5-year total, 2021–25

(Number)

Institution	Rank	Doctorate recipients
Columbia U. in the City of New York	14	77
Arizona State U., Tempe	15	75
Massachusetts Institute of Technology	16	73
U. Florida	16	73
Yale U.	18	70
U. Chicago	19	69
U. Colorado Boulder	19	69
U. Texas, Austin	19	69

- = no value (rank) possible.

^a Other race includes Native Hawaiian or Other Pacific Islander and More than one race.**Note(s):**

Tied institutions are listed alphabetically. Hispanic or Latino may be of any race; race categories exclude Hispanic origin.

Source(s):

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

Table 7-5. Top 20 doctorate-granting institutions, ranked by number of research doctorate recipients holding temporary visas: 2025

(Number)

Institution	Rank	Doctorate recipients
All institutions (381 institutions)	-	19,340
From top 20 institutions	-	5,774
U. Illinois, Urbana-Champaign	1	460
Purdue U., West Lafayette	2	437
Texas A&M U., College Station	3	369
U. Michigan, Ann Arbor	4	317
Georgia Institute of Technology	5	304
U. Florida	5	304
U. Wisconsin-Madison	7	297
Cornell U.	8	293
Massachusetts Institute of Technology	9	281
U. California, San Diego	10	266
Columbia U. in the City of New York	11	264
Ohio State U., Columbus	12	261
U. California, Los Angeles	12	261
Arizona State U., Tempe	14	250
U. Southern California	15	245
U. California, Berkeley	16	241
Harvard U.	17	237
U. Minnesota, Twin Cities	18	231
U. Maryland, College Park	19	228
U. Texas, Austin	19	228

- = no value (rank) possible.

Note(s):

Tied institutions are listed alphabetically.

Source(s):

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

Table 7-6. State or location of doctorate institution ranked by total number of research doctorate recipients, by field of doctorate and sex: 2025

(Number)

State or location	Rank	Total ^a	Male	Female	Science and engineering			Non-science and engineering		
					Total	Male	Female	Total	Male	Female
California	1	6,983	3,703	3,280	5,991	3,301	2,690	992	402	590
Texas	2	4,497	2,380	2,117	3,447	1,936	1,511	1,050	444	606
New York	3	4,436	2,227	2,209	3,493	1,856	1,637	943	371	572
Massachusetts	4	3,260	1,786	1,474	2,763	1,568	1,195	497	218	279
Pennsylvania	5	2,935	1,575	1,360	2,400	1,329	1,071	535	246	289
Illinois	6	2,534	1,370	1,164	2,042	1,173	869	492	197	295
Florida	7	2,498	1,211	1,287	1,888	980	908	610	231	379
North Carolina	8	1,965	949	1,016	1,588	796	792	377	153	224
Michigan	9	1,931	1,000	931	1,562	855	707	369	145	224
Ohio	10	1,849	934	915	1,426	750	676	423	184	239
Virginia	11	1,760	835	925	1,358	703	655	402	132	270
Georgia	12	1,612	834	778	1,341	731	610	271	103	168
Maryland	13	1,602	875	727	1,383	781	602	219	94	125
Indiana	14	1,580	898	682	1,305	769	536	275	129	146
Minnesota	15	1,390	512	878	1,010	406	604	380	106	274
New Jersey	16	1,247	677	570	944	569	375	303	108	195
Colorado	17	1,244	632	612	1,027	566	461	217	66	151
Wisconsin	18	1,109	562	547	909	492	417	200	70	130
Arizona	19	1,073	527	546	841	429	412	232	98	134
Tennessee	20	1,015	505	510	772	419	353	243	86	157
Missouri	21	955	496	459	696	364	332	259	132	127
Washington	22	929	427	502	794	385	409	135	42	93
Connecticut	23	812	415	397	672	365	307	140	50	90
Alabama	24	771	375	396	588	321	267	183	54	129
Iowa	25	687	357	330	544	303	241	143	54	89
Louisiana	26	662	340	322	505	272	233	157	68	89
South Carolina	27	580	280	300	418	228	190	162	52	110
Utah	28	562	333	229	483	289	194	79	44	35
District of Columbia	29	525	223	302	360	156	204	165	67	98
Oklahoma	30	524	281	243	360	204	156	164	77	87
Oregon	31	503	241	262	420	202	218	83	39	44
Kansas	32	493	243	250	384	197	187	109	46	63
Mississippi	33	469	234	235	313	161	152	156	73	83
Kentucky	34	455	216	239	319	153	166	136	63	73
Nebraska	35	386	174	212	322	157	165	64	17	47
Rhode Island	36	354	184	170	289	156	133	65	28	37
Nevada	37	286	131	155	226	112	114	60	19	41
Delaware	38	281	142	139	249	135	114	32	7	25
New Mexico	39	272	148	124	225	132	93	47	16	31
Arkansas	40	242	123	119	198	105	93	44	18	26
West Virginia	41	231	106	125	164	86	78	67	20	47
New Hampshire	42	220	106	114	198	98	100	22	8	14
North Dakota	43	209	120	89	176	107	69	33	13	20
Hawaii	44	202	111	91	138	83	55	64	28	36
Puerto Rico	45	156	64	92	116	50	66	40	14	26
Montana	46	151	69	82	126	66	60	25	D	D
Idaho	47	145	71	74	115	61	54	30	10	20
South Dakota	48	135	89	46	120	76	44	15	D	D
Vermont	49	95	40	55	89	39	50	D	D	D
Maine	50	87	28	59	73	28	45	14	D	D
Wyoming	51	81	40	41	68	36	32	13	D	D

Table 7-6. State or location of doctorate institution ranked by total number of research doctorate recipients, by field of doctorate and sex: 2025

(Number)

State or location	Rank	Total ^a	Male	Female	Science and engineering			Non-science and engineering		
					Total	Male	Female	Total	Male	Female
Alaska	52	35	15	20	34	14	20	D	D	D

D = suppressed to avoid disclosure of confidential information.

^a Total includes doctorate recipients who did not report sex.

Note(s):
Tied states or locations are listed alphabetically.

Source(s):
National Center for Science and Engineering Statistics, Survey of Earned Doctorates.

Table 7-7. Top 10 countries or economies of origin of temporary visa holders earning U.S. research doctorates, by country or economy of citizenship and field of doctorate: 2015–25

(Number)

Country or economy and field	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
China ^a	5,374	5,527	5,552	6,188	6,316	6,335	6,198	6,659	6,651	6,753	6,545
Science and engineering	4,971	5,141	5,147	5,692	5,755	5,730	5,605	6,027	5,980	6,115	5,886
Non-science and engineering	403	386	405	496	561	605	593	632	671	638	659
India	2,229	2,195	1,970	2,045	2,056	2,250	2,300	2,674	2,764	2,647	2,715
Science and engineering	2,119	2,085	1,885	1,922	1,910	2,111	2,138	2,513	2,585	2,480	2,539
Non-science and engineering	110	110	85	123	146	139	162	161	179	167	176
South Korea	1,234	1,229	1,131	1,039	1,168	1,055	1,036	1,075	1,109	1,060	1,055
Science and engineering	920	892	820	729	824	756	733	761	800	779	795
Non-science and engineering	314	337	311	310	344	299	303	314	309	281	260
Iran	629	695	767	935	964	963	815	859	647	499	485
Science and engineering	608	664	728	869	882	896	741	791	596	446	448
Non-science and engineering	21	31	39	66	82	67	74	68	51	53	37
Taiwan	614	592	520	514	492	468	410	416	462	419	456
Science and engineering	516	500	435	445	426	417	375	374	420	375	409
Non-science and engineering	98	92	85	69	66	51	35	42	42	44	47
Saudi Arabia	134	238	339	403	554	614	485	492	483	502	477
Science and engineering	98	175	232	294	431	471	368	385	373	377	357
Non-science and engineering	36	63	107	109	123	143	117	107	110	125	120
Canada	454	408	409	431	427	398	369	474	404	376	390
Science and engineering	325	275	288	307	313	281	267	356	299	274	291
Non-science and engineering	129	133	121	124	114	117	102	118	105	102	99
Turkey (Türkiye)	469	472	496	454	406	371	330	354	368	353	348
Science and engineering	386	380	393	364	324	305	272	289	289	282	270
Non-science and engineering	83	92	103	90	82	66	58	65	79	71	78
Bangladesh	154	185	236	280	292	392	397	551	552	593	565
Science and engineering	146	178	225	271	271	369	381	522	528	564	529
Non-science and engineering	8	7	11	9	21	23	16	29	24	29	36
Nepal	177	222	221	225	241	226	252	313	326	306	292
Science and engineering	162	208	209	219	230	D	242	305	311	296	282
Non-science and engineering	15	14	12	6	11	D	10	8	15	10	10

D = suppressed to avoid disclosure of confidential information.

^a China includes Hong Kong.

Note(s):
Rank is based on the total number of doctorate recipients in the years shown.

Source(s):
National Center for Science and Engineering Statistics, Survey of Earned Doctorates.

Table 7-8. Top 40 countries or economies of origin of temporary visa holders earning U.S. research doctorates, by number of doctorate recipients: 2025

(Number)

Country or economy	Rank	Doctorate recipients
All temporary visa holders (159 countries or economies)	-	18,570
Top 40 countries or economies of origin of doctorate recipients reporting country or economy of origin	-	17,326
China ^a	1	6,545
India	2	2,715
South Korea	3	1,055
Bangladesh	4	565
Iran	5	485
Saudi Arabia	6	477
Taiwan	7	456
Nigeria	8	394
Canada	9	390
Turkey (Türkiye)	10	348
Nepal	11	292
Brazil	12	285
Colombia	13	215
Mexico	14	207
Pakistan	15	204
Sri Lanka	16	178
Italy	17	175
Egypt	18	173
Germany	18	173
Ghana	20	171
Vietnam	21	162
United Kingdom	22	133
Russia	23	120
Japan	24	112
Spain	25	111
Chile	26	107
France	27	106
Thailand	28	105
Greece	29	101
Indonesia	30	100
Jordan	31	92
Peru	32	86
Singapore	33	78
Lebanon	34	67
Argentina	35	66
Kenya	36	63
Israel	37	58
Ecuador	38	54
Australia	39	53
Malaysia	40	49

- = no value (rank) possible.

^a China includes Hong Kong.**Note(s):**

Tied countries or economies are listed alphabetically.

Source(s):

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

Table 7-9. Top 20 baccalaureate-origin institutions ranked by 2021 Carnegie Classification category and total number of research doctorate recipients, by field of doctorate: 2025

(Number)

2021 Carnegie Classification and baccalaureate-origin institution	Rank ^a	All fields	Science and engineering	Non-science and engineering
U.S. institutions by 2021 Carnegie Classification	-	35,857	27,976	7,881
R1: doctoral universities - very high research	-	19,746	16,325	3,421
U. California, Berkeley	1	586	518	68
U. California, Los Angeles	2	426	366	60
U. Illinois, Urbana-Champaign	3	393	349	44
U. Michigan, Ann Arbor	4	361	318	43
U. Wisconsin-Madison	4	361	321	40
U. Florida	6	345	286	59
U. California, San Diego	7	340	311	29
U. Texas, Austin	8	317	245	72
Cornell U.	9	307	275	32
Pennsylvania State U.	9	307	267	40
Purdue U.	11	293	269	24
Ohio State U.	12	288	232	56
U. California, Davis	13	280	250	30
U. Maryland, College Park	14	273	244	29
U. Minnesota, Twin Cities	15	260	223	37
Texas A&M U., College Station	16	259	218	41
U. Washington	17	257	233	24
Harvard U.	18	241	192	49
Georgia Institute of Technology	19	232	224	8
U. North Carolina, Chapel Hill	20	226	181	45
R2: doctoral universities - high research	-	4,732	3,497	1,235
Brigham Young U.	1	253	186	67
William & Mary	2	127	99	28
U. Puerto Rico, Rio Piedras	3	95	71	24
James Madison U.	4	89	62	27
Miami U., Oxford	5	83	66	17
San Diego State U.	6	80	61	19
Texas State U.	7	76	48	28
U. Vermont	7	76	66	10
California State U., Long Beach	9	68	45	23
East Carolina U.	10	67	45	22
Northern Arizona U.	10	67	51	16
San Francisco State U.	12	64	39	25
Worcester Polytechnic Institute	13	62	59	3
Florida Atlantic U.	14	61	44	17
Wake Forest U.	15	60	46	14
U. California, Merced	16	57	56	1
American U.	17	55	38	17
Lehigh U.	17	55	48	7
California State U., Fullerton	19	53	39	14
Fordham U.	20	52	28	24
Missouri U. Science and Technology	20	52	50	2
Doctoral/ professional universities	-	1,630	1,148	482
Grand Valley State U.	1	48	37	11
Missouri State U., Springfield	2	35	20	15
Texas Woman's U.	3	34	27	7
Liberty U.	4	29	19	10
Radford U.	5	26	13	13
Santa Clara U.	5	26	22	4
St. John's U., Queens	5	26	18	8

Table 7-9. Top 20 baccalaureate-origin institutions ranked by 2021 Carnegie Classification category and total number of research doctorate recipients, by field of doctorate: 2025

(Number)

2021 Carnegie Classification and baccalaureate-origin institution	Rank ^a	All fields	Science and engineering	Non-science and engineering
U. Northern Colorado	8	25	15	10
Elon U.	9	24	21	3
U. Central Arkansas	9	24	17	7
Western Kentucky U.	9	24	15	9
Xavier U.	9	24	18	6
Hampton U.	13	23	15	8
U. Tennessee, Chattanooga	13	23	15	8
Biola U.	15	22	12	10
U. Phoenix, Phoenix	15	22	17	5
U. St. Thomas, Saint Paul	15	22	18	4
Valparaiso U.	15	22	14	8
Seattle U.	19	21	15	6
Southern Illinois U., Edwardsville	19	21	13	8
Master's colleges and universities	-	4,988	3,475	1,513
U. Puerto Rico, Mayaguez	1	83	76	7
California Polytechnic State U., San Luis Obispo	2	82	73	9
California State U., Northridge	3	60	46	14
Western Washington U.	4	58	47	11
SUNY, Geneseo	5	57	44	13
Appalachian State U.	6	56	32	24
C. New Jersey	7	45	34	11
CUNY, Hunter C.	7	45	31	14
California State Polytechnic U., Pomona	7	45	37	8
California State U., Chico	7	45	37	8
U. Northern Iowa	7	45	27	18
C. Charleston	12	44	36	8
California State U., San Marcos	12	44	34	10
Towson U.	12	44	33	11
California State Polytechnic U., Humboldt	15	42	31	11
California State U., Sacramento	15	42	28	14
California State U., Los Angeles	17	41	29	12
Truman State U.	17	41	30	11
U. Minnesota, Duluth	19	35	29	6
U. Wisconsin-Eau Claire	20	33	22	11
Baccalaureate colleges	-	4,492	3,337	1,155
Oberlin C.	1	81	54	27
Carleton C.	2	70	59	11
Williams C.	2	70	57	13
Swarthmore C.	4	69	54	15
Smith C.	5	67	51	16
Wellesley C.	5	67	52	15
Grinnell C.	7	61	51	10
Pomona C.	7	61	55	6
Vassar C.	9	60	50	10
Wesleyan U.	9	60	50	10
Bowdoin C.	11	58	49	9
Macalester C.	11	58	40	18
Middlebury C.	13	57	47	10
St. Olaf C.	13	57	41	16
Harvey Mudd C.	15	55	55	0
Reed C.	16	54	49	5
Bucknell U.	17	50	44	6

Table 7-9. Top 20 baccalaureate-origin institutions ranked by 2021 Carnegie Classification category and total number of research doctorate recipients, by field of doctorate: 2025

(Number)

2021 Carnegie Classification and baccalaureate-origin institution	Rank ^a	All fields	Science and engineering	Non-science and engineering
Mount Holyoke C.	18	48	41	7
Colorado C.	19	47	37	10
U.S. Military Academy	19	47	31	16
Other universities ^a	-	269	194	75
Rose-Hulman Institute of Technology	1	26	24	2
Franklin W. Olin C. Engineering	2	9	9	0
U. Maryland, Baltimore	3	8	8	0
U. Texas Southwestern Medical Center	4	6	5	1
Baylor C. Medicine	5	5	5	0
Icahn School of Medicine, Mount Sinai	5	5	5	0
New England Conservatory of Music	5	5	3	2
Juilliard School	8	4	1	3
Moody Bible Institute	8	4	0	4
U. California, San Francisco	8	4	4	0
U. Minnesota, Rochester	8	4	4	0
U. Oklahoma Health Sciences Center	8	4	3	1
Chamberlain C. Nursing, Addison	13	3	3	0
Cleveland Institute of Music	13	3	1	2
Massachusetts C. Pharmacy and Health Sciences	13	3	3	0
Miami Dade C.	13	3	1	2
Northwood U., Midland	13	3	2	1
Palo Alto U.	13	3	3	0
Rockefeller U.	13	3	3	0
School of the Art Institute of Chicago	13	3	2	1
Texas Tech U. Health Sciences Center	13	3	3	0
U. Nebraska, Medical Center	13	3	3	0
U. North Carolina School of the Arts	13	3	0	3
U. Texas Medical Branch	13	3	3	0
Non-U.S. institutions	-	18,786	15,954	2,832
Beijing U.	1	325	302	23
U. of Science and Technology of China (USTC)	2	278	276	2
Bangladesh U. of Engineering and Technology	3	276	271	5
Tsinghua U.	4	275	256	19
Zhejiang U.	5	216	199	17
National Taiwan U.	6	208	189	19
Tribhuvan U.	7	197	190	7
Seoul National U.	8	183	146	37
Shanghai Jiaotong U.	9	177	172	5
U. of Delhi	10	166	134	32
U. of Dhaka	10	166	150	16
Fudan U.	12	137	119	18
Nanjing U.	12	137	127	10
Huazhong U. of Science and Technology	14	132	124	8
Sharif U. of Technology	15	127	120	7
Wuhan U.	16	125	119	6
Yonsei U.	16	125	87	38
U. of Tehran	18	123	110	13
Sun Yat-Sen U.	19	117	108	9
Kwame Nkrumah U. of Science and Technology	20	113	96	17

- = no value (rank) possible.

^a Rank is based on the total number of doctorate recipients among both U.S. and non-U.S. baccalaureate-origin institutions. Only institutions with five or more doctorate recipients are listed.

Note(s):

Carnegie classification is based on the 2021 Carnegie Classifications: doctoral universities - very high research (R1), doctoral universities - high research (R2), doctoral/professional universities, and other universities, which includes all other Carnegie classifications (e.g., special focus institutions) and institutions without Carnegie classifications.

Source(s):

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

Table 7-10. Research doctorate recipients, by state or location of doctorate institution and broad field of doctorate: 2025

(Number)

State or location	All fields	Science and engineering												Non-science and engineering					
		Total	Agricultural sciences and natural resources	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric, and ocean sciences	Health sciences	Mathematics and statistics	Multidisciplinary/interdisciplinary sciences	Physical sciences	Psychology	Social sciences	Total	Business	Education	Humanities	Visual and performing arts	Other non-science and engineering
United States ^a	59,015	47,272	1,325	9,950	3,002	10,876	1,192	2,911	2,069	1,781	5,332	3,941	4,893	11,743	1,350	4,048	3,355	793	2,197
Alabama	771	588	29	136	19	155	23	48	30	28	50	54	16	183	34	102	12	2	33
Alaska	35	34	6	2	0	4	7	0	0	2	2	6	5	1	0	0	0	0	1
Arizona	1,073	841	30	135	43	202	41	38	40	44	105	59	104	232	17	73	47	49	46
Arkansas	242	198	14	41	22	50	3	15	1	16	11	13	12	44	12	16	11	0	5
California	6,983	5,991	79	1,300	457	1,198	201	235	266	252	801	513	689	992	110	255	359	106	162
Colorado	1,244	1,027	37	172	52	275	58	51	62	30	140	65	85	217	17	112	28	20	40
Connecticut	812	672	11	205	11	110	13	29	36	23	95	47	92	140	15	6	74	22	23
Delaware	281	249	7	47	16	80	10	10	6	4	28	13	28	32	5	8	8	2	9
District of Columbia	525	360	1	67	16	42	0	27	10	11	38	47	101	165	8	36	86	1	34
Florida	2,498	1,888	82	358	97	428	76	173	75	77	189	193	140	610	63	290	103	44	110
Georgia	1,612	1,341	43	297	109	359	19	69	48	80	105	95	117	271	50	85	66	9	61
Hawaii	202	138	7	32	5	17	19	3	2	2	14	10	27	64	10	27	16	1	10
Idaho	145	115	7	26	11	21	10	10	2	5	5	9	9	30	0	22	7	0	1
Illinois	2,534	2,042	40	338	187	496	17	88	123	60	272	181	240	492	68	111	175	34	104
Indiana	1,580	1,305	35	206	84	437	14	55	62	44	177	79	112	275	32	103	86	22	32
Iowa	687	544	32	142	40	121	2	20	31	13	66	30	47	143	37	64	20	10	12
Kansas	493	384	38	81	13	64	4	26	19	15	44	42	38	109	11	39	15	6	38
Kentucky	455	319	10	78	6	61	2	35	12	10	25	35	45	136	8	48	57	6	17
Louisiana	662	505	34	109	15	82	17	27	32	6	62	27	94	157	17	53	47	12	28
Maine	87	73	5	30	2	11	8	0	0	2	1	6	8	14	0	8	2	0	4
Maryland	1,602	1,383	20	313	185	294	13	134	53	47	118	50	156	219	29	65	49	11	65
Massachusetts	3,260	2,763	22	579	246	632	66	119	108	117	386	148	340	497	54	127	182	43	91
Michigan	1,931	1,562	38	315	68	416	33	60	78	77	206	134	137	369	52	136	112	9	60
Minnesota	1,390	1,010	20	168	16	125	11	164	29	24	53	277	123	380	57	131	41	8	143
Mississippi	469	313	29	50	9	44	9	33	15	15	36	47	26	156	27	72	33	1	23
Missouri	955	696	18	188	44	164	13	57	16	14	53	64	65	259	23	65	115	12	44
Montana	151	126	10	42	3	27	6	2	2	1	19	9	5	25	0	21	4	0	0
Nebraska	386	322	31	85	15	40	6	34	18	10	23	42	18	64	5	20	17	2	20
Nevada	286	226	6	44	8	49	12	16	5	9	26	29	22	60	7	36	12	0	5
New Hampshire	220	198	9	70	16	32	9	7	11	8	26	5	5	22	6	9	6	0	1
New Jersey	1,247	944	13	145	73	229	26	21	67	42	133	71	124	303	42	64	125	30	42
New Mexico	272	225	3	37	11	75	7	5	7	8	32	15	25	47	1	25	15	0	6

Table 7-10. Research doctorate recipients, by state or location of doctorate institution and broad field of doctorate: 2025

(Number)

State or location	All fields	Science and engineering												Non-science and engineering					
		Total	Agricultural sciences and natural resources	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric, and ocean sciences	Health sciences	Mathematics and statistics	Multidisciplinary/interdisciplinary sciences	Physical sciences	Psychology	Social sciences	Total	Business	Education	Humanities	Visual and performing arts	Other non-science and engineering
New York	4,436	3,493	63	853	236	643	62	160	159	136	396	331	454	943	77	273	312	113	168
North Carolina	1,965	1,588	57	380	97	352	33	131	87	44	172	99	136	377	35	120	116	28	78
North Dakota	209	176	17	24	4	60	5	19	7	3	19	15	3	33	4	17	3	0	9
Ohio	1,849	1,426	40	350	35	329	18	109	60	60	175	122	128	423	28	171	104	32	88
Oklahoma	524	360	19	76	13	92	23	24	10	10	24	34	35	164	23	70	21	20	30
Oregon	503	420	29	85	19	63	13	27	13	2	61	55	53	83	4	28	20	7	24
Pennsylvania	2,935	2,400	23	527	186	732	30	146	93	97	223	121	222	535	81	131	188	33	102
Puerto Rico	156	116	4	18	0	14	3	0	1	12	13	47	4	40	3	1	30	0	6
Rhode Island	354	289	4	58	20	50	26	16	18	13	37	5	42	65	4	9	33	8	11
South Carolina	580	418	17	83	26	113	7	48	27	4	47	17	29	162	23	89	20	0	30
South Dakota	135	120	9	16	23	25	1	8	0	6	11	17	4	15	3	0	4	0	8
Tennessee	1,015	772	27	203	35	174	8	40	32	39	75	73	66	243	20	112	68	13	30
Texas	4,497	3,447	92	651	198	1,011	103	248	155	123	343	238	285	1,050	143	402	283	40	182
Utah	562	483	17	115	46	115	8	49	12	9	42	47	23	79	7	44	13	0	15
Vermont	95	89	12	24	4	9	1	2	5	5	11	10	6	6	0	0	6	0	0
Virginia	1,760	1,358	53	201	86	359	40	95	44	47	112	164	157	402	28	209	91	9	65
Washington	929	794	22	186	27	163	33	72	32	54	83	46	76	135	22	40	26	10	37
West Virginia	231	164	8	37	2	33	5	11	2	1	31	15	19	67	6	26	11	10	14
Wisconsin	1,109	909	42	206	42	187	11	94	45	19	106	62	95	200	19	67	76	8	30
Wyoming	81	68	4	19	4	12	7	1	1	1	10	8	1	13	3	10	0	0	0

^a United States includes the 50 states, the District of Columbia, and Puerto Rico.

Note(s):
The survey data collection for the field of study changed in 2021, which may affect the data comparisons across years. This table uses the new field taxonomy based on a modified version of the 2020 Classification of Instructional Programs (CIP) codes and does not match data that uses the trend field taxonomy. 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.

Table 8-1. Science and engineering research doctorate recipients, statistical profile by sex and broad field of doctorate: 2025

(Number, percent, and median years)

Characteristic	All fields	Science and engineering											
		Total	Agricultural sciences and natural resources	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric, and ocean sciences	Health sciences	Mathematics and statistics	Multidisciplinary/ interdisciplinary sciences	Physical sciences	Psychology	Social sciences
All doctorate recipients (number) ^a	59,015	47,272	1,325	9,950	3,002	10,876	1,192	2,911	2,069	1,781	5,332	3,941	4,893
Sex (%)													
Male	51.2	54.0	45.8	43.4	74.6	71.1	52.0	29.6	69.3	59.7	65.2	23.2	46.7
Female	48.8	46.0	54.2	56.6	25.4	28.9	48.0	70.4	30.7	40.3	34.8	76.8	53.3
Unknown	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Citizenship status (%)													
U.S. citizen or permanent resident	61.4	59.0	56.8	72.7	36.2	44.3	69.9	72.7	45.6	47.5	58.3	81.0	60.9
Temporary visa holder	32.8	35.4	39.1	23.2	55.9	49.8	25.6	20.4	49.1	46.7	37.2	10.1	34.5
Unknown	5.8	5.6	4.1	4.1	7.8	5.9	4.5	6.9	5.3	5.8	4.5	9.0	4.6
Marital status (%)													
Never married	38.2	41.3	35.8	42.0	41.4	45.9	42.7	26.8	51.5	41.0	50.2	30.8	33.8
Married	36.1	33.7	39.8	33.5	31.5	32.0	32.1	47.0	26.4	34.9	26.2	34.3	40.2
Marriage-like relationship	10.0	10.6	10.3	13.5	7.9	8.2	12.9	7.0	9.3	9.2	11.4	13.5	11.1
Separated, divorced, widowed	3.1	2.4	2.3	2.0	1.7	1.3	2.6	5.3	1.2	2.6	1.6	4.3	4.5
Unknown	12.6	12.0	11.7	9.0	17.5	12.6	9.6	13.9	11.6	12.4	10.5	17.0	10.3
Has dependent age 18 or younger (%)	18.3	15.2	21.1	12.5	13.7	13.1	12.2	33.3	10.1	16.5	8.9	16.6	22.0
Has one or more functional limitations (%)	15.0	14.3	14.9	16.1	11.6	10.2	15.9	13.7	12.9	12.2	14.9	20.0	17.4
Age at doctorate (median years)	31.4	30.7	31.7	30.4	30.6	30.1	30.4	34.8	29.6	31.2	29.2	31.4	33.3
Bachelor's in same field as doctorate (%) ^b	60.6	64.2	49.7	65.0	38.8	78.6	52.6	46.2	80.0	12.9	77.9	70.5	54.7
Master's earned (%)	72.0	66.8	78.2	43.7	72.6	72.7	63.6	80.1	68.7	74.6	49.6	88.0	87.9
Master's earned at same doctorate institution (%)	44.0	47.3	35.4	35.3	46.6	51.2	47.7	30.9	54.3	45.9	56.5	63.7	44.5
Time to doctorate (median years)													
Years since earning bachelor's degree	8.6	8.0	8.6	8.0	8.1	7.4	7.8	11.3	7.0	8.4	6.8	8.8	10.3
From graduate school start	7.0	6.8	7.2	6.3	7.0	6.4	6.4	8.8	6.1	7.0	6.0	7.0	8.8
From doctoral program start ^c	5.8	5.7	4.9	5.8	5.7	5.3	5.7	5.0	5.7	5.5	5.8	5.9	6.0
Received tuition remission (%)	85.3	87.4	88.4	89.6	85.6	87.9	89.4	72.0	93.9	88.1	91.7	80.6	88.5

Table 8-1. Science and engineering research doctorate recipients, statistical profile by sex and broad field of doctorate: 2025

(Number, percent, and median years)

[illegible]

Table 8-1. Science and engineering research doctorate recipients, statistical profile by sex and broad field of doctorate: 2025

(Number, percent, and median years)

Characteristic	All fields	Science and engineering											
		Total	Agricultural sciences and natural resources	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric, and ocean sciences	Health sciences	Mathematics and statistics	Multidisciplinary/ interdisciplinary sciences	Physical sciences	Psychology	Social sciences
U.S. citizen or permanent resident	68.2	66.6	60.6	74.0	40.2	50.6	74.5	75.9	42.7	54.4	61.5	81.3	65.8
Temporary visa holder	25.7	27.7	35.0	22.0	51.4	42.9	21.0	17.4	51.3	40.3	34.1	9.6	29.7
Unknown	6.0	5.7	4.5	4.1	8.4	6.5	4.5	6.7	6.0	5.3	4.4	9.1	4.5
Marital status (%)													
Never married	34.6	37.5	39.4	40.4	35.5	43.2	45.3	24.9	44.4	35.8	48.0	30.1	32.5
Married	37.6	35.3	35.9	34.5	34.6	31.6	28.7	48.5	32.3	37.2	26.0	34.9	39.9
Marriage-like relationship	10.6	11.7	10.3	13.9	7.9	10.2	14.3	6.6	9.8	9.9	12.7	13.4	11.7
Separated, divorced, widowed	4.3	3.4	1.8	2.3	3.0	1.5	3.0	6.3	2.0	3.6	2.3	4.6	5.9
Unknown	12.8	12.1	12.5	8.9	19.1	13.6	8.7	13.6	11.5	13.4	11.0	17.0	9.9
Has dependent age 18 or younger (%)	19.1	15.5	15.2	11.9	14.9	10.2	10.3	35.3	12.4	18.3	7.8	16.5	20.8
Has one or more functional limitations (%)	16.9	16.4	17.0	16.7	14.1	12.2	18.4	14.1	14.8	15.0	16.4	19.3	19.7
Age at doctorate (median years)	31.7	30.7	31.2	30.1	31.1	29.6	29.9	35.7	29.7	31.7	28.8	31.2	33.3
Bachelor's in same field as doctorate (%) ^b	58.1	62.7	47.5	66.9	37.4	75.0	52.7	50.0	78.8	12.3	77.2	71.2	52.0
Master's earned (%)	73.7	67.3	76.4	42.9	78.2	69.6	59.7	82.6	74.8	76.5	48.1	88.7	89.0
Master's earned at same doctorate institution (%)	43.7	47.6	37.8	35.3	45.8	53.3	51.3	31.2	58.8	44.6	57.0	64.4	46.0
Time to doctorate (median years)													
Years since earning bachelor's degree	9.0	8.2	8.4	7.7	8.6	7.0	7.6	12.0	7.2	9.0	6.5	8.7	10.5
From graduate school start	7.3	6.8	6.9	6.3	7.3	6.3	6.3	9.0	6.3	7.3	5.8	6.9	8.9
From doctoral program start ^c	5.8	5.7	4.9	5.7	5.8	5.3	5.7	5.0	5.4	5.3	5.4	5.8	6.0
Received tuition remission (%)	83.8	86.4	90.5	89.1	86.1	88.6	91.3	69.7	94.5	88.6	92.8	80.4	88.2

^a All doctorate recipients includes doctorate recipients who did not report sex.
^b A bachelor's and doctoral degree are considered to be in the same field if doctorate recipient's first or most recent bachelor's degree is in the same broad field as their doctoral degree.
^c Time to doctorate from doctoral program start is based on master's degree entry if the master's degree was at the same doctoral institution in the same field of study or was a prerequisite to the doctorate; otherwise, it is based on doctoral program entry.

Note(s):
Due to rounding, percentages may not sum to 100. The survey data collection for the field of study changed in 2021, which may affect the data comparisons across years. This table uses the new field taxonomy based on a modified version of the 2020 Classification of Instructional Programs (CIP) codes and does not match data that uses the trend field taxonomy. 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.

Table 8-2. Non-science and engineering research doctorate recipients, statistical profile by sex and broad field of doctorate: 2025

(Number, percent, and median years)

Characteristic	All fields	Non-science and engineering					
		Total	Business	Education	Humanities	Visual and performing arts	Other non-science and engineering
All doctorate recipients (number) ^a	59,015	11,743	1,350	4,048	3,355	793	2,197
Sex (%)							
Male	51.2	39.7	55.7	26.1	49.5	43.4	38.8
Female	48.8	60.3	44.3	73.9	50.5	56.6	61.2
Unknown	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Citizenship status (%)							
U.S. citizen or permanent resident	61.4	70.9	43.6	81.2	73.2	70.4	65.6
Temporary visa holder	32.8	22.1	47.0	12.5	20.2	23.0	27.4
Unknown	5.8	6.9	9.5	6.3	6.6	6.7	7.0
Marital status (%)							
Never married	38.2	25.8	27.6	19.8	28.9	31.8	28.9
Married	36.1	46.1	43.9	52.5	43.0	37.7	43.3
Marriage-like relationship	10.0	7.6	5.9	5.3	10.0	12.4	7.5
Separated, divorced, widowed	3.1	5.7	3.9	7.8	4.1	4.4	5.7
Unknown	12.6	14.9	18.7	14.7	14.0	13.7	14.6
Has dependent age 18 or younger (%)	18.3	31.6	29.1	42.0	24.5	18.6	29.9
Has one or more functional limitations (%)	15.0	17.9	13.5	17.0	19.6	18.6	19.4
Age at doctorate (median years)	31.4	36.1	34.3	39.8	34.6	34.4	35.4
Bachelor's in same field as doctorate (%) ^b	60.6	45.8	42.0	26.3	69.9	67.1	39.2
Master's earned (%)	72.0	93.1	86.5	96.5	91.0	91.8	94.6
Master's earned at same doctorate institution (%)	44.0	34.1	25.6	32.5	38.9	36.0	34.1
Time to doctorate (median years)							
Years since earning bachelor's degree	8.6	12.7	10.9	16.0	11.4	11.2	11.8
From graduate school start	7.0	10.0	8.8	12.3	9.7	9.3	9.8
From doctoral program start ^c	5.8	5.9	5.3	5.5	6.8	6.7	5.7
Received tuition remission (%)	85.3	76.6	80.5	61.1	88.4	92.1	79.3
Male doctorate recipients (number)	30,214	4,664	752	1,055	1,661	344	852
Citizenship status (%)							
U.S. citizen or permanent resident	54.9	67.2	42.2	79.9	72.7	70.6	61.5
Temporary visa holder	39.5	25.9	49.5	14.3	20.5	23.5	31.0
Unknown	5.6	6.9	8.4	5.8	6.8	5.8	7.5
Marital status (%)							
Never married	41.6	25.7	27.4	20.8	27.0	30.8	25.9
Married	34.7	48.0	48.7	55.7	46.3	38.1	45.4
Marriage-like relationship	9.4	7.7	5.2	5.5	9.0	14.0	7.5
Separated, divorced, widowed	1.9	3.6	2.3	4.2	2.9	3.8	5.2
Unknown	12.3	15.0	16.5	13.8	14.8	13.4	16.0

Table 8-2. Non-science and engineering research doctorate recipients, statistical profile by sex and broad field of doctorate: 2025

(Number, percent, and median years)

Characteristic	All fields	Non-science and engineering					
		Total	Business	Education	Humanities	Visual and performing arts	Other non-science and engineering
Has dependent age 18 or younger (%)	17.6	33.5	31.5	45.9	30.1	18.7	32.5
Has one or more functional limitations (%)	13.2	16.7	11.9	17.1	16.6	20.5	18.8
Age at doctorate (median years)	31.2	35.8	34.3	39.4	35.4	34.7	35.8
Bachelor's in same field as doctorate (%) ^b	63.0	49.1	40.8	25.9	68.7	69.9	39.1
Master's earned (%)	70.3	92.2	85.0	96.1	91.8	91.6	94.3
Master's earned at same doctorate institution (%)	44.3	32.9	24.3	30.2	38.9	33.9	31.4
Time to doctorate (median years)							
Years since earning bachelor's degree	8.3	12.1	10.8	15.0	12.0	11.0	11.6
From graduate school start	7.0	9.9	8.7	12.0	9.9	9.3	9.8
From doctoral program start ^c	5.7	5.9	5.2	5.7	6.8	6.3	5.3
Received tuition remission (%)	86.8	78.3	81.5	61.1	86.3	91.4	76.3
Female doctorate recipients (number)	28,801	7,079	598	2,993	1,694	449	1,345
Citizenship status (%)							
U.S. citizen or permanent resident	68.2	73.4	45.3	81.6	73.6	70.2	68.3
Temporary visa holder	25.7	19.6	43.8	11.8	19.9	22.5	25.1
Unknown	6.0	7.0	10.9	6.5	6.5	7.3	6.7
Marital status (%)							
Never married	34.6	25.9	27.9	19.4	30.8	32.5	30.9
Married	37.6	44.8	37.8	51.3	39.8	37.4	41.9
Marriage-like relationship	10.6	7.5	6.7	5.2	11.0	11.1	7.4
Separated, divorced, widowed	4.3	7.0	6.0	9.1	5.2	4.9	6.1
Unknown	12.8	14.8	21.6	15.0	13.2	14.0	13.7
Has dependent age 18 or younger (%)	19.1	30.4	25.9	40.6	19.0	18.5	28.3
Has one or more functional limitations (%)	16.9	18.7	15.5	16.9	22.5	17.1	19.7
Age at doctorate (median years)	31.7	36.3	34.2	40.0	34.0	34.3	35.0
Bachelor's in same field as doctorate (%) ^b	58.1	43.6	43.6	26.5	71.0	64.9	39.3
Master's earned (%)	73.7	93.8	88.4	96.7	90.2	91.9	94.8
Master's earned at same doctorate institution (%)	43.7	34.9	27.3	33.3	39.0	37.6	35.8
Time to doctorate (median years)							
Years since earning bachelor's degree	9.0	13.0	11.0	16.3	11.0	11.3	11.8
From graduate school start	7.3	10.3	8.9	12.6	9.1	9.3	9.8
From doctoral program start ^c	5.8	5.9	5.3	5.4	6.8	6.8	5.8
Received tuition remission (%)	83.8	75.5	79.3	61.1	90.5	92.5	81.1

^a All doctorate recipients includes doctorate recipients who did not report sex.
^b A bachelor's and doctoral degree are considered to be in the same field if doctorate recipient's first or most recent bachelor's degree is in the same broad field as their doctoral degree.
^c Time to doctorate from doctoral program start is based on master's degree entry if the master's degree was at the same doctoral institution in the same field of study or was a prerequisite to the doctorate; otherwise, it is based on doctoral program entry.

Note(s):
Due to rounding, percentages may not sum to 100. The survey data collection for the field of study changed in 2021, which may affect the data comparisons across years. This table uses the new field taxonomy based on a modified version of the 2020 Classification of Instructional Programs (CIP) codes and does not match data that uses the trend field taxonomy. 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.

Table 8-3. Agricultural sciences and natural resources research doctorate recipients, statistical profile by sex and major field of doctorate: 2025

(Number, percent, and median years)

Characteristic	All agricultural sciences and natural resources fields	Agricultural, animal, plant, and veterinary sciences	Natural resources and conservation
All doctorate recipients (number) ^a	1,325	875	450
Sex (%)			
Male	45.8	47.9	41.8
Female	54.2	52.1	58.2
Unknown	0.0	0.0	0.0
Citizenship status (%)			
U.S. citizen or permanent resident	56.8	52.9	64.4
Temporary visa holder	39.1	44.2	29.1
Unknown	4.1	2.9	6.4
Marital status (%)			
Never married	35.8	38.2	31.3
Married	39.8	39.5	40.4
Marriage-like relationship	10.3	9.3	12.2
Separated, divorced, widowed	2.3	1.8	3.3
Unknown	11.7	11.2	12.7
Has dependent age 18 or younger (%)	21.1	19.7	23.7
Has one or more functional limitations (%)	14.9	13.2	18.4
Age at doctorate (median years)	31.7	31.1	33.0
Bachelor's in same field as doctorate (%) ^b	49.7	60.5	28.8
Master's earned (%)	78.2	75.8	82.8
Master's earned at same doctorate institution (%)	35.4	35.5	35.3
Time to doctorate (median years)			
Years since earning bachelor's degree	8.6	8.1	10.2
From graduate school start	7.2	6.8	8.0
From doctoral program start ^c	4.9	4.8	5.1
Received tuition remission (%)	88.4	88.9	87.3
Male doctorate recipients (number)	607	419	188
Citizenship status (%)			
U.S. citizen or permanent resident	52.4	47.3	63.8
Temporary visa holder	44.0	49.6	31.4
Unknown	3.6	3.1	4.8
Marital status (%)			
Never married	31.6	33.9	26.6
Married	44.5	42.0	50.0
Marriage-like relationship	10.2	11.5	7.4
Separated, divorced, widowed	3.0	2.4	4.3
Unknown	10.7	10.3	11.7
Has dependent age 18 or younger (%)	27.9	25.3	33.7
Has one or more functional limitations (%)	12.6	11.5	15.2
Age at doctorate (median years)	32.5	31.9	33.8
Bachelor's in same field as doctorate (%) ^b	52.2	60.0	34.9
Master's earned (%)	80.3	79.6	81.8
Master's earned at same doctorate institution (%)	32.8	32.5	33.6

Table 8-3. Agricultural sciences and natural resources research doctorate recipients, statistical profile by sex and major field of doctorate: 2025

(Number, percent, and median years)

Characteristic	All agricultural sciences and natural resources fields	Agricultural, animal, plant, and veterinary sciences	Natural resources and conservation
Time to doctorate (median years)			
Years since earning bachelor's degree	9.0	8.6	10.3
From graduate school start	7.4	7.1	7.9
From doctoral program start ^c	4.9	4.8	5.3
Received tuition remission (%)	85.9	86.1	85.7
Female doctorate recipients (number)	718	456	262
Citizenship status (%)			
U.S. citizen or permanent resident	60.6	58.1	64.9
Temporary visa holder	35.0	39.3	27.5
Unknown	4.5	2.6	7.6
Marital status (%)			
Never married	39.4	42.1	34.7
Married	35.9	37.3	33.6
Marriage-like relationship	10.3	7.2	15.6
Separated, divorced, widowed	1.8	1.3	2.7
Unknown	12.5	12.1	13.4
Has dependent age 18 or younger (%)	15.2	14.5	16.4
Has one or more functional limitations (%)	17.0	14.8	20.8
Age at doctorate (median years)	31.2	30.4	32.3
Bachelor's in same field as doctorate (%) ^b	47.5	61.0	24.4
Master's earned (%)	76.4	72.1	83.6
Master's earned at same doctorate institution (%)	37.8	38.6	36.5
Time to doctorate (median years)			
Years since earning bachelor's degree	8.4	7.6	10.0
From graduate school start	6.9	6.6	8.0
From doctoral program start ^c	4.9	4.8	5.0
Received tuition remission (%)	90.5	91.6	88.5

^a All doctorate recipients includes doctorate recipients who did not report sex.^b A bachelor's and doctoral degree are considered to be in the same field if doctorate recipient's first or most recent bachelor's degree is in the same broad field as their doctoral degree.^c Time to doctorate from doctoral program start is based on master's degree entry if the master's degree was at the same doctoral institution in the same field of study or was a prerequisite to the doctorate; otherwise, it is based on doctoral program entry.**Note(s):**

Due to rounding, percentages may not sum to 100. The survey data collection for the field of study changed in 2021, which may affect the data comparisons across years. This table uses the new field taxonomy based on a modified version of the 2020 Classification of Instructional Programs (CIP) codes and does not match data that uses the trend field taxonomy. 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.

Table 8-4. Biological and biomedical sciences research doctorate recipients, statistical profile by sex and major field of doctorate: 2025

(Number, percent, and median years)

Characteristic	All biological and biomedical sciences fields	Biochemistry, biophysics, and molecular biology	Bioinformatics, biostatistics, and computational biology	Biological and biomedical sciences, general	Cell/ cellular biology and anatomy	Ecology, evolutionary biology, and epidemiology	Genetics and genomics	Microbiology and immunology	Neurobiology and neurosciences	Pharmacology and toxicology	Physiology, oncology, and cancer biology	Biological and biomedical sciences, other
All doctorate recipients (number) ^a	9,950	1,521	742	968	784	1,078	488	1,136	1,343	393	845	652
Sex (%)												
Male	43.4	51.9	54.4	39.9	38.0	36.4	39.3	41.1	41.7	36.9	47.5	43.1
Female	56.6	48.1	45.6	60.1	62.0	63.6	60.7	58.9	58.3	63.1	52.5	56.9
Unknown	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Citizenship status (%)												
U.S. citizen or permanent resident	72.7	66.5	53.6	68.5	77.6	80.4	73.4	80.2	78.2	75.3	73.1	69.2
Temporary visa holder	23.2	29.6	44.1	22.4	19.8	17.2	21.9	16.7	18.3	19.3	23.0	25.5
Unknown	4.1	3.9	2.3	9.1	2.7	2.4	4.7	3.1	3.5	5.3	3.9	5.4
Marital status (%)												
Never married	42.0	46.2	48.1	36.7	38.6	37.8	41.8	45.3	43.6	40.7	39.8	39.0
Married	33.5	30.8	D	31.3	34.9	36.1	D	34.3	31.0	32.8	38.0	34.4
Marriage-like relationship	13.5	13.4	8.9	11.0	15.8	16.8	11.9	13.0	16.3	12.5	11.7	13.8
Separated, divorced, widowed	2.0	1.5	D	1.9	2.7	3.5	D	1.4	2.0	2.8	2.1	2.1
Unknown	9.0	8.2	9.4	19.2	7.9	5.8	9.0	5.9	7.1	11.2	8.4	10.7
Has dependent age 18 or younger (%)	12.5	11.8	12.0	13.5	13.7	15.0	15.3	11.4	9.5	15.0	13.1	12.0
Has one or more functional limitations (%)	16.1	16.1	11.0	15.3	16.1	16.9	17.2	14.6	19.4	14.7	15.3	18.7
Age at doctorate (median years)	30.4	30.0	30.0	30.4	30.3	31.8	30.2	30.2	30.3	30.0	30.4	30.7
Bachelor's in same field as doctorate (%) ^b	65.0	63.6	33.7	71.6	81.2	56.6	77.1	83.0	61.7	63.5	58.4	64.3
Master's earned (%)	43.7	38.0	61.8	41.0	34.6	67.2	38.6	32.0	35.5	37.4	47.9	51.7
Master's earned at same doctorate institution (%)	35.3	38.1	41.2	32.5	38.3	30.1	34.7	32.5	45.8	36.8	29.5	29.0
Time to doctorate (median years)												
Years since earning bachelor's degree	8.0	7.3	7.6	8.0	7.8	9.3	7.8	7.7	7.9	7.4	8.0	8.0
From graduate school start	6.3	6.3	6.5	6.3	6.3	7.6	6.3	6.3	6.3	6.0	6.3	6.7

Table 8-4. Biological and biomedical sciences research doctorate recipients, statistical profile by sex and major field of doctorate: 2025

(Number, percent, and median years)

Characteristic	All biological and biomedical sciences fields	Biochemistry, biophysics, and molecular biology	Bioinformatics, biostatistics, and computational biology	Biological and biomedical sciences, general	Cell/ cellular biology and anatomy	Ecology, evolutionary biology, and epidemiology	Genetics and genomics	Microbiology and immunology	Neurobiology and neurosciences	Pharmacology and toxicology	Physiology, oncology, and cancer biology	Biological and biomedical sciences, other
From doctoral program start ^c	5.8	5.8	5.3	5.7	5.8	5.7	5.8	5.8	5.8	5.3	5.3	5.5
Received tuition remission (%)	89.6	90.1	90.1	91.1	91.6	88.7	88.4	90.7	89.6	86.4	88.5	87.4
Male doctorate recipients (number)	4,316	790	404	386	298	392	192	467	560	145	401	281
Citizenship status (%)												
U.S. citizen or permanent resident	71.0	66.1	53.0	70.7	76.2	78.6	72.4	79.4	74.5	71.7	77.8	63.3
Temporary visa holder	24.9	29.7	45.3	21.5	21.1	20.4	22.4	16.5	21.3	20.7	19.5	30.2
Unknown	4.1	4.2	1.7	7.8	2.7	1.0	5.2	4.1	4.3	7.6	2.7	6.4
Marital status (%)												
Never married	44.1	47.8	53.2	37.8	43.3	37.2	40.1	46.0	47.0	42.1	39.4	40.6
Married	32.2	28.9	D	31.9	30.5	36.2	D	32.3	28.9	D	39.2	34.5
Marriage-like relationship	13.0	13.9	7.4	10.6	16.1	19.1	12.5	12.6	14.3	10.3	11.0	12.5
Separated, divorced, widowed	1.6	1.1	D	1.3	1.7	3.3	D	1.1	2.0	D	2.7	1.8
Unknown	9.2	8.2	10.1	18.4	8.4	4.1	8.9	7.9	7.9	12.4	7.7	10.7
Has dependent age 18 or younger (%)	13.4	12.6	10.3	14.9	13.2	16.0	18.3	13.0	9.3	16.7	15.4	15.6
Has one or more functional limitations (%)	15.3	16.4	10.7	12.8	14.3	16.7	16.8	13.9	17.6	13.7	15.3	19.0
Age at doctorate (median years)	30.8	30.3	30.1	31.0	30.8	32.0	30.7	31.0	30.9	30.7	30.9	30.9
Bachelor's in same field as doctorate (%) ^b	62.4	61.0	30.1	67.3	82.1	57.7	78.0	81.5	58.6	64.8	56.0	65.8
Master's earned (%)	44.8	37.9	62.4	47.1	37.3	64.0	38.4	32.9	37.3	37.5	49.1	53.5
Master's earned at same doctorate institution (%)	35.3	36.3	41.9	33.6	41.3	30.1	44.1	29.7	43.4	31.3	28.5	29.2
Time to doctorate (median years)												
Years since earning bachelor's degree	8.0	7.5	7.9	8.3	8.3	9.3	7.9	8.3	8.2	8.0	8.1	8.3

Table 8-4. Biological and biomedical sciences research doctorate recipients, statistical profile by sex and major field of doctorate: 2025

(Number, percent, and median years)

[illegible]

Table 8-4. Biological and biomedical sciences research doctorate recipients, statistical profile by sex and major field of doctorate: 2025

(Number, percent, and median years)

Characteristic	All biological and biomedical sciences fields	Biochemistry, biophysics, and molecular biology	Bioinformatics, biostatistics, and computational biology	Biological and biomedical sciences, general	Cell/ cellular biology and anatomy	Ecology, evolutionary biology, and epidemiology	Genetics and genomics	Microbiology and immunology	Neurobiology and neurosciences	Pharmacology and toxicology	Physiology, oncology, and cancer biology	Biological and biomedical sciences, other
Years since earning bachelor's degree	7.7	7.3	7.3	7.6	7.4	9.3	7.8	7.3	7.7	7.3	7.7	7.8
From graduate school start	6.3	6.2	6.5	6.2	6.3	7.8	6.3	6.0	6.1	5.8	6.1	6.4
From doctoral program start ^c	5.7	5.8	5.3	5.5	5.8	5.5	5.8	5.5	5.8	5.3	5.3	5.3
Received tuition remission (%)	89.1	87.9	88.2	91.8	90.5	87.0	87.2	91.3	90.3	86.7	86.6	89.2

D = suppressed to avoid disclosure of confidential information.

^a All doctorate recipients includes doctorate recipients who did not report sex.

^b A bachelor's and doctoral degree are considered to be in the same field if doctorate recipient's first or most recent bachelor's degree is in the same broad field as their doctoral degree.

^c Time to doctorate from doctoral program start is based on master's degree entry if the master's degree was at the same doctoral institution in the same field of study or was a prerequisite to the doctorate; otherwise, it is based on doctoral program entry.

Note(s):
Due to rounding, percentages may not sum to 100. The survey data collection for the field of study changed in 2021, which may affect the data comparisons across years. This table uses the new field taxonomy based on a modified version of the 2020 Classification of Instructional Programs (CIP) codes and does not match data that uses the trend field taxonomy. 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.

Table 8-5. Computer and information science research doctorate recipients, statistical profile by sex and major field of doctorate: 2025

(Number, percent, and median years)

Characteristic	All computer and information sciences fields	Computer science	Computer and information sciences, other
All doctorate recipients (number) ^a	3,002	2,027	975
Sex (%)			
Male	74.6	76.5	70.5
Female	25.4	23.5	29.5
Unknown	0.0	0.0	0.0
Citizenship status (%)			
U.S. citizen or permanent resident	36.2	35.0	38.9
Temporary visa holder	55.9	56.6	54.6
Unknown	7.8	8.4	6.6
Marital status (%)			
Never married	41.4	43.4	37.3
Married	31.5	28.9	36.8
Marriage-like relationship	7.9	8.0	7.8
Separated, divorced, widowed	1.7	1.5	2.2
Unknown	17.5	18.2	15.9
Has dependent age 18 or younger (%)	13.7	12.1	17.0
Has one or more functional limitations (%)	11.6	10.8	13.0
Age at doctorate (median years)	30.6	30.3	31.4
Bachelor's in same field as doctorate (%) ^b	38.8	44.1	27.9
Master's earned (%)	72.6	69.0	80.0
Master's earned at same doctorate institution (%)	46.6	48.8	42.8
Time to doctorate (median years)			
Years since earning bachelor's degree	8.1	7.8	8.9
From graduate school start	7.0	6.8	7.3
From doctoral program start ^c	5.7	5.8	5.3
Received tuition remission (%)	85.6	88.4	80.0
Male doctorate recipients (number)	2,238	1,551	687
Citizenship status (%)			
U.S. citizen or permanent resident	34.9	34.3	36.2
Temporary visa holder	57.5	57.6	57.2
Unknown	7.6	8.1	6.6
Marital status (%)			
Never married	43.4	45.6	38.6
Married	30.4	26.8	38.6
Marriage-like relationship	8.0	8.3	7.1
Separated, divorced, widowed	1.3	1.2	1.5
Unknown	16.9	18.1	14.3
Has dependent age 18 or younger (%)	13.3	11.2	17.8
Has one or more functional limitations (%)	10.7	10.1	12.1
Age at doctorate (median years)	30.5	30.2	31.4
Bachelor's in same field as doctorate (%) ^b	39.2	44.5	27.6
Master's earned (%)	70.7	66.4	80.1
Master's earned at same doctorate institution (%)	46.9	50.2	41.0
Time to doctorate (median years)			
Years since earning bachelor's degree	8.0	7.6	8.7
From graduate school start	6.9	6.8	7.3
From doctoral program start ^c	5.7	5.8	5.3

Table 8-5. Computer and information science research doctorate recipients, statistical profile by sex and major field of doctorate: 2025

(Number, percent, and median years)

Characteristic	All computer and information sciences fields	Computer science	Computer and information sciences, other
Received tuition remission (%)	85.5	88.6	78.6
Female doctorate recipients (number)	764	476	288
Citizenship status (%)			
U.S. citizen or permanent resident	40.2	37.2	45.1
Temporary visa holder	51.4	53.4	48.3
Unknown	8.4	9.5	6.6
Marital status (%)			
Never married	35.5	36.1	34.4
Married	34.6	35.7	32.6
Marriage-like relationship	7.9	6.9	9.4
Separated, divorced, widowed	3.0	2.5	3.8
Unknown	19.1	18.7	19.8
Has dependent age 18 or younger (%)	14.9	15.0	14.7
Has one or more functional limitations (%)	14.1	13.4	15.2
Age at doctorate (median years)	31.1	30.7	31.5
Bachelor's in same field as doctorate (%) ^b	37.4	42.8	28.6
Master's earned (%)	78.2	77.3	79.7
Master's earned at same doctorate institution (%)	45.8	44.7	47.4
Time to doctorate (median years)			
Years since earning bachelor's degree	8.6	8.4	9.3
From graduate school start	7.3	7.0	7.3
From doctoral program start ^c	5.8	5.8	5.8
Received tuition remission (%)	86.1	87.6	83.5

^a All doctorate recipients includes doctorate recipients who did not report sex.^b A bachelor's and doctoral degree are considered to be in the same field if doctorate recipient's first or most recent bachelor's degree is in the same broad field as their doctoral degree.^c Time to doctorate from doctoral program start is based on master's degree entry if the master's degree was at the same doctoral institution in the same field of study or was a prerequisite to the doctorate; otherwise, it is based on doctoral program entry.**Note(s):**

Due to rounding, percentages may not sum to 100. The survey data collection for the field of study changed in 2021, which may affect the data comparisons across years. This table uses the new field taxonomy based on a modified version of the 2020 Classification of Instructional Programs (CIP) codes and does not match data that uses the trend field taxonomy. 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.

Table 8-6. Engineering research doctorate recipients, statistical profile by sex and major field of doctorate: 2025

(Number, percent, and median years)

Characteristic	All engineering fields	Aerospace, aeronautical, astronautical, and space engineering	Biological, biomedical, and biosystems engineering	Chemical and petroleum engineering	Civil, environmental, and transportation engineering	Electrical and computer engineering	Engineering technologies	Industrial engineering and operations research	Materials and mining engineering	Mechanical engineering	Engineering, other
All doctorate recipients (number) ^a	10,876	628	1,390	1,285	1,276	2,111	374	666	867	1,564	715
Sex (%)											
Male	71.1	82.2	55.4	65.9	64.1	79.5	79.1	65.8	69.7	78.6	74.1
Female	28.9	17.8	44.6	34.1	35.9	20.5	20.9	34.2	30.3	21.4	25.9
Unknown	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Citizenship status (%)											
U.S. citizen or permanent resident	44.3	55.9	65.4	48.6	36.1	31.7	29.9	39.3	46.5	44.9	45.2
Temporary visa holder	49.8	36.3	30.4	45.5	57.7	61.1	67.4	56.2	47.9	50.6	44.9
Unknown	5.9	7.8	4.2	5.8	6.3	7.2	2.7	4.5	5.7	4.5	9.9
Marital status (%)											
Never married	45.9	45.4	49.5	52.2	39.6	45.8	50.5	36.8	49.1	46.6	40.3
Married	32.0	29.5	27.1	25.9	38.1	32.9	36.1	43.2	28.6	31.4	33.8
Marriage-like relationship	8.2	8.6	10.7	9.6	9.2	6.7	6.4	6.2	9.3	7.7	6.2
Separated, divorced, widowed	1.3	1.0	1.2	1.0	1.8	1.2	1.9	1.4	0.9	1.0	1.5
Unknown	12.6	15.6	11.5	11.3	11.3	13.4	5.1	12.5	12.0	13.2	18.2
Has dependent age 18 or younger (%)	13.1	12.3	6.7	10.9	19.0	15.1	12.2	19.3	10.2	10.8	18.3
Has one or more functional limitations (%)	10.2	10.2	10.0	10.0	10.9	9.1	13.8	10.3	10.8	9.0	13.3
Age at doctorate (median years)	30.1	29.6	29.3	29.3	31.2	30.5	30.4	30.9	29.3	30.0	30.7
Bachelor's in same field as doctorate (%) ^b	78.6	84.2	75.6	87.4	81.3	76.5	68.8	61.0	72.8	90.5	67.5
Master's earned (%)	72.7	78.6	51.2	56.2	90.3	78.2	79.7	82.6	63.1	77.8	79.7
Master's earned at same doctorate institution (%)	51.2	68.1	54.4	49.9	41.6	52.0	47.7	41.5	52.1	57.7	48.1
Time to doctorate (median years)											
Years since earning bachelor's degree	7.4	7.0	6.9	6.6	8.3	7.9	7.9	8.2	6.8	7.4	7.9
From graduate school start	6.4	6.3	6.0	5.8	7.2	6.9	6.8	7.0	6.0	6.4	6.8
From doctoral program start ^c	5.3	5.3	5.3	5.3	4.9	5.6	5.3	5.0	5.3	5.3	5.0

Table 8-6. Engineering research doctorate recipients, statistical profile by sex and major field of doctorate: 2025

(Number, percent, and median years)

Characteristic	All engineering fields	Aerospace, aeronautical, astronautical, and space engineering	Biological, biomedical, and biosystems engineering	Chemical and petroleum engineering	Civil, environmental, and transportation engineering	Electrical and computer engineering	Engineering technologies	Industrial engineering and operations research	Materials and mining engineering	Mechanical engineering	Engineering, other
Received tuition remission (%)	87.9	85.1	90.0	90.0	89.2	88.4	88.6	79.1	87.5	88.9	84.3
Male doctorate recipients (number)	7,728	516	770	847	818	1,679	296	438	604	1,230	530
Citizenship status (%)											
U.S. citizen or permanent resident	41.7	55.4	62.3	47.5	30.6	31.9	27.4	40.9	43.7	42.3	42.3
Temporary visa holder	52.6	36.4	34.2	47.1	63.6	61.5	69.9	54.6	50.0	53.7	48.1
Unknown	5.7	8.1	3.5	5.4	5.9	6.6	2.7	4.6	6.3	4.1	9.6
Marital status (%)											
Never married	47.0	46.1	52.1	55.1	39.5	46.8	D	D	49.3	48.1	D
Married	32.1	D	26.5	24.9	40.3	32.7	35.8	43.6	D	31.1	34.2
Marriage-like relationship	7.5	8.3	9.4	8.9	7.3	7.0	6.4	6.2	7.6	6.9	6.0
Separated, divorced, widowed	1.2	D	1.0	0.9	D	1.0	D	D	D	D	D
Unknown	12.2	16.1	11.0	10.2	D	12.5	5.1	12.1	12.6	D	17.4
Has dependent age 18 or younger (%)	14.3	12.8	7.9	11.5	21.5	15.3	11.8	21.9	11.2	12.0	20.6
Has one or more functional limitations (%)	9.4	9.3	9.2	7.6	10.3	9.3	11.6	7.9	10.5	8.2	13.2
Age at doctorate (median years)	30.3	29.8	29.6	29.5	31.4	30.6	30.4	31.0	29.8	30.3	30.8
Bachelor's in same field as doctorate (%) ^b	80.0	84.8	74.4	87.9	85.8	77.8	70.6	61.4	74.0	91.4	70.2
Master's earned (%)	73.9	76.9	56.1	55.9	92.5	77.8	79.6	80.9	64.0	77.5	79.5
Master's earned at same doctorate institution (%)	50.4	64.6	54.7	49.0	37.7	53.1	48.2	41.9	48.8	55.9	46.9
Time to doctorate (median years)											
Years since earning bachelor's degree	7.6	7.1	7.0	6.8	8.5	7.9	7.9	8.0	7.0	7.6	7.9
From graduate school start	6.7	6.3	6.3	5.8	7.3	6.9	6.8	7.0	6.0	6.7	6.9
From doctoral program start ^c	5.3	5.3	5.5	5.3	4.9	5.7	5.3	5.0	5.3	5.3	5.0

Table 8-6. Engineering research doctorate recipients, statistical profile by sex and major field of doctorate: 2025

(Number, percent, and median years)

Characteristic	All engineering fields	Aerospace, aeronautical, astronautical, and space engineering	Biological, biomedical, and biosystems engineering	Chemical and petroleum engineering	Civil, environmental, and transportation engineering	Electrical and computer engineering	Engineering technologies	Industrial engineering and operations research	Materials and mining engineering	Mechanical engineering	Engineering, other
Received tuition remission (%)	87.6	86.3	89.5	90.5	87.7	88.6	88.4	76.1	87.7	89.1	83.3
Female doctorate recipients (number)	3,148	112	620	438	458	432	78	228	263	334	185
Citizenship status (%)											
U.S. citizen or permanent resident	50.6	58.0	69.2	50.9	45.9	30.8	39.7	36.4	52.9	54.5	53.5
Temporary visa holder	42.9	35.7	25.8	42.5	47.2	59.5	57.7	59.2	43.0	39.5	35.7
Unknown	6.5	6.3	5.0	6.6	7.0	9.7	2.6	4.4	4.2	6.0	10.8
Marital status (%)											
Never married	43.2	42.0	46.3	46.6	39.7	41.9	D	D	48.7	41.0	D
Married	31.6	D	27.7	27.9	34.1	33.6	37.2	42.5	D	32.3	33.0
Marriage-like relationship	10.2	9.8	12.4	11.0	12.7	5.8	6.4	6.1	13.3	10.8	6.5
Separated, divorced, widowed	1.5	D	1.5	1.1	D	2.1	D	D	D	D	D
Unknown	13.6	13.4	12.1	13.5	D	16.7	5.1	13.2	10.6	D	20.5
Has dependent age 18 or younger (%)	10.2	10.3	5.3	9.7	14.3	14.5	13.5	14.5	8.1	6.3	11.6
Has one or more functional limitations (%)	12.2	13.8	10.9	14.6	11.9	8.5	21.9	14.9	11.5	11.7	13.7
Age at doctorate (median years)	29.6	29.1	28.9	28.9	30.6	30.2	30.6	30.8	28.8	29.6	30.3
Bachelor's in same field as doctorate (%) ^b	75.0	81.2	77.0	86.3	73.2	71.2	61.8	60.2	70.2	87.1	59.5
Master's earned (%)	69.6	86.1	45.0	56.9	86.3	79.6	80.3	85.9	61.0	78.9	80.4
Master's earned at same doctorate institution (%)	53.3	81.6	54.0	51.8	49.3	47.9	45.9	40.9	59.9	64.5	51.6
Time to doctorate (median years)											
Years since earning bachelor's degree	7.0	6.8	6.4	6.3	8.0	8.0	7.5	8.4	6.3	7.0	8.0
From graduate school start	6.3	6.0	5.8	5.8	6.8	7.0	6.9	7.0	5.8	6.1	6.7
From doctoral program start ^c	5.3	5.4	5.3	5.3	5.0	5.4	5.3	5.0	5.3	5.3	5.0

Table 8-6. Engineering research doctorate recipients, statistical profile by sex and major field of doctorate: 2025

(Number, percent, and median years)

Characteristic	All engineering fields	Aerospace, aeronautical, astronautical, and space engineering	Biological, biomedical, and biosystems engineering	Chemical and petroleum engineering	Civil, environmental, and transportation engineering	Electrical and computer engineering	Engineering technologies	Industrial engineering and operations research	Materials and mining engineering	Mechanical engineering	Engineering, other
Received tuition remission (%)	88.6	79.6	90.6	89.1	91.8	87.6	89.5	84.8	87.1	88.3	87.4

D = suppressed to avoid disclosure of confidential information.

^a All doctorate recipients includes doctorate recipients who did not report sex.

^b A bachelor's and doctoral degree are considered to be in the same field if doctorate recipient's first or most recent bachelor's degree is in the same broad field as their doctoral degree.

^c Time to doctorate from doctoral program start is based on master's degree entry if the master's degree was at the same doctoral institution in the same field of study or was a prerequisite to the doctorate; otherwise, it is based on doctoral program entry.

Note(s):
Due to rounding, percentages may not sum to 100. The survey data collection for the field of study changed in 2021, which may affect the data comparisons across years. This table uses the new field taxonomy based on a modified version of the 2020 Classification of Instructional Programs (CIP) codes and does not match data that uses the trend field taxonomy. 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.

Table 8-7. Geosciences, atmospheric, and ocean sciences research doctorate recipients, statistical profile by sex and major field of doctorate: 2025

(Number, percent, and median years)

Characteristic	All geosciences, atmospheric, and ocean sciences fields	Geological and earth sciences	Ocean, marine, and atmospheric sciences
All doctorate recipients (number) ^a	1,192	641	551
Sex (%)			
Male	52.0	54.3	49.4
Female	48.0	45.7	50.6
Unknown	0.0	0.0	0.0
Citizenship status (%)			
U.S. citizen or permanent resident	69.9	65.5	75.0
Temporary visa holder	25.6	29.2	21.4
Unknown	4.5	5.3	3.6
Marital status (%)			
Never married	42.7	38.4	47.7
Married	32.1	34.5	29.4
Marriage-like relationship	12.9	12.5	13.4
Separated, divorced, widowed	2.6	3.4	1.6
Unknown	9.6	11.2	7.8
Has dependent age 18 or younger (%)	12.2	15.1	8.9
Has one or more functional limitations (%)	15.9	17.1	14.5
Age at doctorate (median years)	30.4	30.9	29.8
Bachelor's in same field as doctorate (%) ^b	52.6	63.3	40.6
Master's earned (%)	63.6	66.6	60.2
Master's earned at same doctorate institution (%)	47.7	39.4	58.0
Time to doctorate (median years)			
Years since earning bachelor's degree	7.8	8.0	7.4
From graduate school start	6.4	6.8	6.3
From doctoral program start ^c	5.7	5.3	5.8
Received tuition remission (%)	89.4	88.4	90.5
Male doctorate recipients (number)	620	348	272
Citizenship status (%)			
U.S. citizen or permanent resident	65.6	59.8	73.2
Temporary visa holder	29.8	34.5	23.9
Unknown	4.5	5.7	2.9
Marital status (%)			
Never married	40.3	35.3	46.7
Married	35.3	37.9	32.0
Marriage-like relationship	11.6	D	D
Separated, divorced, widowed	2.3	D	D
Unknown	10.5	12.6	7.7
Has dependent age 18 or younger (%)	13.9	17.8	9.2
Has one or more functional limitations (%)	13.5	13.4	13.7
Age at doctorate (median years)	30.8	31.6	30.3
Bachelor's in same field as doctorate (%) ^b	52.4	64.4	37.9
Master's earned (%)	67.1	70.7	62.8
Master's earned at same doctorate institution (%)	44.8	35.5	57.3
Time to doctorate (median years)			

Table 8-7. Geosciences, atmospheric, and ocean sciences research doctorate recipients, statistical profile by sex and major field of doctorate: 2025

(Number, percent, and median years)

Characteristic	All geosciences, atmospheric, and ocean sciences fields	Geological and earth sciences	Ocean, marine, and atmospheric sciences
Years since earning bachelor's degree	8.0	8.3	7.5
From graduate school start	6.7	7.0	6.3
From doctoral program start ^c	5.7	5.3	5.8
Received tuition remission (%)	87.5	86.9	88.3
Female doctorate recipients (number)	572	293	279
Citizenship status (%)			
U.S. citizen or permanent resident	74.5	72.4	76.7
Temporary visa holder	21.0	22.9	19.0
Unknown	4.5	4.8	4.3
Marital status (%)			
Never married	45.3	42.0	48.7
Married	28.7	30.4	26.9
Marriage-like relationship	14.3	D	D
Separated, divorced, widowed	3.0	D	D
Unknown	8.7	9.6	7.9
Has dependent age 18 or younger (%)	10.3	12.0	8.6
Has one or more functional limitations (%)	18.4	21.4	15.3
Age at doctorate (median years)	29.9	30.2	29.7
Bachelor's in same field as doctorate (%) ^b	52.7	61.9	43.3
Master's earned (%)	59.7	61.7	57.6
Master's earned at same doctorate institution (%)	51.3	44.6	58.7
Time to doctorate (median years)			
Years since earning bachelor's degree	7.6	7.8	7.4
From graduate school start	6.3	6.3	6.3
From doctoral program start ^c	5.7	5.5	5.7
Received tuition remission (%)	91.3	90.0	92.7

D = suppressed to avoid disclosure of confidential information.

^a All doctorate recipients includes doctorate recipients who did not report sex.^b A bachelor's and doctoral degree are considered to be in the same field if doctorate recipient's first or most recent bachelor's degree is in the same broad field as their doctoral degree.^c Time to doctorate from doctoral program start is based on master's degree entry if the master's degree was at the same doctoral institution in the same field of study or was a prerequisite to the doctorate; otherwise, it is based on doctoral program entry.**Note(s):**

Due to rounding, percentages may not sum to 100. The survey data collection for the field of study changed in 2021, which may affect the data comparisons across years. This table uses the new field taxonomy based on a modified version of the 2020 Classification of Instructional Programs (CIP) codes and does not match data that uses the trend field taxonomy. 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.

Table 8-8. Health sciences research doctorate recipients, statistical profile by sex and major field of doctorate: 2025

(Number, percent, and median years)

Characteristic	All health sciences fields	Nursing and nursing science	Pharmacy and pharmaceutical sciences	Public health	Health sciences, other
All doctorate recipients (number) ^a	2,911	659	418	796	1,038
Sex (%)					
Male	29.6	10.6	48.3	28.9	34.8
Female	70.4	89.4	51.7	71.1	65.2
Unknown	0.0	0.0	0.0	0.0	0.0
Citizenship status (%)					
U.S. citizen or permanent resident	72.7	80.6	49.0	76.1	74.5
Temporary visa holder	20.4	11.5	44.5	18.8	17.5
Unknown	6.9	7.9	6.5	5.0	8.0
Marital status (%)					
Never married	26.8	16.5	40.0	30.4	25.1
Married	47.0	57.5	33.5	45.1	47.3
Marriage-like relationship	7.0	3.6	9.6	9.7	6.2
Separated, divorced, widowed	5.3	9.6	1.7	4.8	4.3
Unknown	13.9	12.7	15.3	10.1	17.1
Has dependent age 18 or younger (%)	33.3	47.8	18.7	31.1	31.4
Has one or more functional limitations (%)	13.7	13.6	12.1	14.9	13.4
Age at doctorate (median years)	34.8	42.1	30.8	34.3	34.3
Bachelor's in same field as doctorate (%) ^b	46.2	89.4	38.8	29.0	35.3
Master's earned (%)	80.1	87.5	51.1	90.0	79.2
Master's earned at same doctorate institution (%)	30.9	24.2	34.2	35.4	30.7
Time to doctorate (median years)					
Years since earning bachelor's degree	11.3	15.3	7.8	11.0	11.0
From graduate school start	8.8	10.3	6.3	8.9	9.0
From doctoral program start ^c	5.0	5.0	5.2	5.0	5.0
Received tuition remission (%)	72.0	53.8	90.9	76.9	72.3
Male doctorate recipients (number)	863	70	202	230	361
Citizenship status (%)					
U.S. citizen or permanent resident	65.0	67.1	50.0	69.6	70.1
Temporary visa holder	27.5	18.6	43.6	25.2	21.6
Unknown	7.5	14.3	6.4	5.2	8.3
Marital status (%)					
Never married	31.3	12.9	39.1	32.6	29.6
Married	43.5	58.6	31.2	47.4	44.9
Marriage-like relationship	8.0	0.0	12.9	7.8	6.9
Separated, divorced, widowed	2.7	D	D	2.6	2.8
Unknown	14.6	D	D	9.6	15.8
Has dependent age 18 or younger (%)	28.3	49.1	18.9	32.5	26.9
Has one or more functional limitations (%)	12.6	11.3	12.0	11.3	14.0
Age at doctorate (median years)	33.6	41.9	31.1	34.3	33.8
Bachelor's in same field as doctorate (%) ^b	37.1	91.2	36.9	25.8	35.1
Master's earned (%)	74.2	86.0	48.9	89.7	75.8
Master's earned at same doctorate institution (%)	30.2	31.3	32.1	34.9	25.5

Table 8-8. Health sciences research doctorate recipients, statistical profile by sex and major field of doctorate: 2025

(Number, percent, and median years)

Characteristic	All health sciences fields	Nursing and nursing science	Pharmacy and pharmaceutical sciences	Public health	Health sciences, other
Time to doctorate (median years)					
Years since earning bachelor's degree	10.0	12.4	7.8	10.4	10.4
From graduate school start	7.8	8.8	6.3	8.3	8.3
From doctoral program start ^c	5.0	5.5	5.3	5.0	5.0
Received tuition remission (%)	77.7	44.1	90.8	78.4	76.4
Female doctorate recipients (number)	2,048	589	216	566	677
Citizenship status (%)					
U.S. citizen or permanent resident	75.9	82.2	48.1	78.8	76.8
Temporary visa holder	17.4	10.7	45.4	16.3	15.4
Unknown	6.7	7.1	6.5	4.9	7.8
Marital status (%)					
Never married	24.9	17.0	40.7	29.5	22.7
Married	48.5	57.4	35.6	44.2	48.6
Marriage-like relationship	6.6	4.1	6.5	10.4	5.8
Separated, divorced, widowed	6.3	D	D	5.7	5.2
Unknown	13.6	D	D	10.2	17.7
Has dependent age 18 or younger (%)	35.3	47.7	18.5	30.5	33.9
Has one or more functional limitations (%)	14.1	13.9	12.1	16.3	13.0
Age at doctorate (median years)	35.7	42.1	30.6	34.2	34.6
Bachelor's in same field as doctorate (%) ^b	50.0	89.2	40.4	30.3	35.4
Master's earned (%)	82.6	87.6	53.1	90.1	81.1
Master's earned at same doctorate institution (%)	31.2	23.5	36.0	35.5	33.3
Time to doctorate (median years)					
Years since earning bachelor's degree	12.0	15.6	7.8	11.0	11.6
From graduate school start	9.0	10.6	6.3	9.1	9.7
From doctoral program start ^c	5.0	5.0	5.0	5.0	5.0
Received tuition remission (%)	69.7	54.9	91.0	76.3	70.2

D = suppressed to avoid disclosure of confidential information.

^a All doctorate recipients includes doctorate recipients who did not report sex.^b A bachelor's and doctoral degree are considered to be in the same field if doctorate recipient's first or most recent bachelor's degree is in the same broad field as their doctoral degree.^c Time to doctorate from doctoral program start is based on master's degree entry if the master's degree was at the same doctoral institution in the same field of study or was a prerequisite to the doctorate; otherwise, it is based on doctoral program entry.**Note(s):**

Due to rounding, percentages may not sum to 100. The survey data collection for the field of study changed in 2021, which may affect the data comparisons across years. This table uses the new field taxonomy based on a modified version of the 2020 Classification of Instructional Programs (CIP) codes and does not match data that uses the trend field taxonomy. 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.

Table 8-9. Mathematics and statistics research doctorate recipients, statistical profiles by sex and major field of doctorate: 2025

(Number, percent, and median years)

Characteristic	All mathematics and statistics fields	Applied mathematics	Mathematics	Statistics
All doctorate recipients (number) ^a	2,069	444	967	658
Sex (%)				
Male	69.3	63.1	73.5	67.3
Female	30.7	36.9	26.5	32.7
Unknown	0.0	0.0	0.0	0.0
Citizenship status (%)				
U.S. citizen or permanent resident	45.6	49.1	54.0	31.0
Temporary visa holder	49.1	48.2	39.8	63.4
Unknown	5.3	2.7	6.2	5.6
Marital status (%)				
Never married	51.5	47.1	53.9	50.9
Married	26.4	33.6	21.1	29.3
Marriage-like relationship	9.3	D	9.9	D
Separated, divorced, widowed	1.2	D	1.3	D
Unknown	11.6	7.4	13.8	11.2
Has dependent age 18 or younger (%)	10.1	12.4	7.7	11.9
Has one or more functional limitations (%)	12.9	12.2	14.6	10.7
Age at doctorate (median years)	29.6	30.0	29.2	29.9
Bachelor's in same field as doctorate (%) ^b	80.0	72.2	87.4	74.8
Master's earned (%)	68.7	71.5	63.3	74.4
Master's earned at same doctorate institution (%)	54.3	59.5	56.8	47.8
Time to doctorate (median years)				
Years since earning bachelor's degree	7.0	7.3	6.9	7.3
From graduate school start	6.1	6.3	6.0	6.7
From doctoral program start ^c	5.7	5.3	5.8	5.3
Received tuition remission (%)	93.9	92.6	94.8	93.5
Male doctorate recipients (number)	1,434	280	711	443
Citizenship status (%)				
U.S. citizen or permanent resident	46.9	50.0	53.6	34.3
Temporary visa holder	48.1	46.1	41.1	60.7
Unknown	5.0	3.9	5.3	5.0
Marital status (%)				
Never married	54.6	48.9	56.7	54.9
Married	23.8	30.7	19.4	26.4
Marriage-like relationship	9.1	D	10.1	D
Separated, divorced, widowed	0.8	D	0.8	D
Unknown	11.6	8.6	12.9	11.5
Has dependent age 18 or younger (%)	9.0	10.2	7.1	11.3
Has one or more functional limitations (%)	12.0	12.4	12.9	10.2
Age at doctorate (median years)	29.5	29.7	29.2	30.0
Bachelor's in same field as doctorate (%) ^b	80.5	71.1	88.2	74.5
Master's earned (%)	66.0	69.5	59.6	73.9
Master's earned at same doctorate institution (%)	52.1	58.7	54.0	45.5
Time to doctorate (median years)				
Years since earning bachelor's degree	7.0	7.0	6.8	7.3
From graduate school start	6.1	6.3	6.0	6.8
From doctoral program start ^c	5.7	5.3	5.8	5.3
Received tuition remission (%)	93.6	91.6	94.3	93.8
Female doctorate recipients (number)	635	164	256	215
Citizenship status (%)				
U.S. citizen or permanent resident	42.7	47.6	55.1	24.2
Temporary visa holder	51.3	51.8	36.3	68.8

Table 8-9. Mathematics and statistics research doctorate recipients, statistical profiles by sex and major field of doctorate: 2025

(Number, percent, and median years)

Characteristic	All mathematics and statistics fields	Applied mathematics	Mathematics	Statistics
Unknown	6.0	0.6	8.6	7.0
Marital status (%)				
Never married	44.4	43.9	46.1	42.8
Married	32.3	38.4	25.8	35.3
Marriage-like relationship	9.8	D	9.4	D
Separated, divorced, widowed	2.0	D	2.7	D
Unknown	11.5	5.5	16.0	10.7
Has dependent age 18 or younger (%)	12.4	15.9	9.3	13.0
Has one or more functional limitations (%)	14.8	11.8	19.7	11.8
Age at doctorate (median years)	29.7	30.2	29.3	29.8
Bachelor's in same field as doctorate (%) ^b	78.8	74.1	85.0	75.6
Master's earned (%)	74.8	74.7	74.4	75.4
Master's earned at same doctorate institution (%)	58.8	60.7	63.2	52.4
Time to doctorate (median years)				
Years since earning bachelor's degree	7.2	7.5	6.9	7.5
From graduate school start	6.3	6.3	6.0	6.4
From doctoral program start ^c	5.4	5.3	5.8	5.3
Received tuition remission (%)	94.5	94.3	96.3	92.7

D = suppressed to avoid disclosure of confidential information.

^a All doctorate recipients includes doctorate recipients who did not report sex.^b A bachelor's and doctoral degree are considered to be in the same field if doctorate recipient's first or most recent bachelor's degree is in the same broad field as their doctoral degree.^c Time to doctorate from doctoral program start is based on master's degree entry if the master's degree was at the same doctoral institution in the same field of study or was a prerequisite to the doctorate; otherwise, it is based on doctoral program entry.**Note(s):**

Due to rounding, percentages may not sum to 100. The survey data collection for the field of study changed in 2021, which may affect the data comparisons across years. This table uses the new field taxonomy based on a modified version of the 2020 Classification of Instructional Programs (CIP) codes and does not match data that uses the trend field taxonomy. 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.

Table 8-10. Multidisciplinary/interdisciplinary sciences research doctorate recipients, statistical profile by sex and major field of doctorate: 2025

(Number, percent, and median years)

Characteristic	All multidisciplinary/ interdisciplinary sciences fields	Interdisciplinary computer sciences	Multidisciplinary/ interdisciplinary sciences, other
All doctorate recipients (number) ^a	1,781	673	1,108
Sex (%)			
Male	59.7	72.5	52.0
Female	40.3	27.5	48.0
Unknown	0.0	0.0	0.0
Citizenship status (%)			
U.S. citizen or permanent resident	47.5	40.4	51.8
Temporary visa holder	46.7	55.0	41.6
Unknown	5.8	4.6	6.6
Marital status (%)			
Never married	41.0	50.1	35.5
Married	34.9	31.2	37.1
Marriage-like relationship	9.2	7.6	10.1
Separated, divorced, widowed	2.6	2.4	2.7
Unknown	12.4	8.8	14.6
Has dependent age 18 or younger (%)	16.5	11.7	19.5
Has one or more functional limitations (%)	12.2	11.4	12.7
Age at doctorate (median years)	31.2	30.2	31.9
Bachelor's in same field as doctorate (%) ^b	12.9	17.9	9.6
Master's earned (%)	74.6	70.7	77.2
Master's earned at same doctorate institution (%)	45.9	53.6	41.4
Time to doctorate (median years)			
Years since earning bachelor's degree	8.4	7.6	9.0
From graduate school start	7.0	6.8	7.4
From doctoral program start ^c	5.5	5.7	5.3
Received tuition remission (%)	88.1	87.9	88.3
Male doctorate recipients (number)	1,064	488	576
Citizenship status (%)			
U.S. citizen or permanent resident	42.9	41.2	44.3
Temporary visa holder	50.9	54.3	48.1
Unknown	6.2	4.5	7.6
Marital status (%)			
Never married	44.5	51.4	38.5
Married	33.3	30.5	35.6
Marriage-like relationship	8.6	8.0	9.2
Separated, divorced, widowed	1.9	1.6	2.1
Unknown	11.7	8.4	14.6
Has dependent age 18 or younger (%)	15.2	11.8	18.3
Has one or more functional limitations (%)	10.4	10.0	10.7
Age at doctorate (median years)	30.9	30.1	31.7
Bachelor's in same field as doctorate (%) ^b	13.2	18.9	8.1
Master's earned (%)	73.4	69.8	76.7

Table 8-10. Multidisciplinary/interdisciplinary sciences research doctorate recipients, statistical profile by sex and major field of doctorate: 2025

(Number, percent, and median years)

Characteristic	All multidisciplinary/ interdisciplinary sciences fields	Interdisciplinary computer sciences	Multidisciplinary/ interdisciplinary sciences, other
Master's earned at same doctorate institution (%)	46.8	54.7	40.3
Time to doctorate (median years)			
Years since earning bachelor's degree	8.2	7.5	8.9
From graduate school start	6.9	6.8	7.3
From doctoral program start ^c	5.5	5.7	5.3
Received tuition remission (%)	87.9	87.2	88.5
Female doctorate recipients (number)	717	185	532
Citizenship status (%)			
U.S. citizen or permanent resident	54.4	38.4	60.0
Temporary visa holder	40.3	56.8	34.6
Unknown	5.3	4.9	5.5
Marital status (%)			
Never married	35.8	46.5	32.1
Married	37.2	33.0	38.7
Marriage-like relationship	9.9	6.5	11.1
Separated, divorced, widowed	3.6	4.3	3.4
Unknown	13.4	9.7	14.7
Has dependent age 18 or younger (%)	18.3	11.4	20.9
Has one or more functional limitations (%)	15.0	15.0	15.0
Age at doctorate (median years)	31.7	30.3	32.2
Bachelor's in same field as doctorate (%) ^b	12.3	15.4	11.2
Master's earned (%)	76.5	73.0	77.8
Master's earned at same doctorate institution (%)	44.6	50.8	42.5
Time to doctorate (median years)			
Years since earning bachelor's degree	9.0	7.9	9.5
From graduate school start	7.3	6.9	7.7
From doctoral program start ^c	5.3	5.5	5.3
Received tuition remission (%)	88.6	89.7	88.2

^a All doctorate recipients includes doctorate recipients who did not report sex.^b A bachelor's and doctoral degree are considered to be in the same field if doctorate recipient's first or most recent bachelor's degree is in the same broad field as their doctoral degree.^c Time to doctorate from doctoral program start is based on master's degree entry if the master's degree was at the same doctoral institution in the same field of study or was a prerequisite to the doctorate; otherwise, it is based on doctoral program entry.**Note(s):**

Due to rounding, percentages may not sum to 100. The survey data collection for the field of study changed in 2021, which may affect the data comparisons across years. This table uses the new field taxonomy based on a modified version of the 2020 Classification of Instructional Programs (CIP) codes and does not match data that uses the trend field taxonomy. 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.

Table 8-11. Physical sciences research doctorate recipients, statistical profile by sex and major field of doctorate: 2025

(Number, percent, and median years)

Characteristic	All physical sciences fields	Astronomy and astrophysics	Chemistry	Materials sciences	Physics
All doctorate recipients (number) ^a	5,332	337	2,627	326	2,042
Sex (%)					
Male	65.2	64.1	55.9	61.7	78.0
Female	34.8	35.9	44.1	38.3	22.0
Unknown	0.0	0.0	0.0	0.0	0.0
Citizenship status (%)					
U.S. citizen or permanent resident	58.3	67.1	62.0	50.6	53.4
Temporary visa holder	37.2	31.2	33.3	47.2	41.7
Unknown	4.5	1.8	4.7	2.1	4.9
Marital status (%)					
Never married	50.2	56.4	49.2	48.2	50.9
Married	26.2	23.1	26.4	30.7	25.7
Marriage-like relationship	11.4	15.4	11.8	11.0	10.3
Separated, divorced, widowed	1.6	1.5	1.6	2.5	1.5
Unknown	10.5	3.6	11.0	7.7	11.6
Has dependent age 18 or younger (%)	8.9	6.5	9.0	11.2	8.8
Has one or more functional limitations (%)	14.9	19.2	14.6	18.2	14.0
Age at doctorate (median years)	29.2	29.1	28.8	29.4	29.7
Bachelor's in same field as doctorate (%) ^b	77.9	88.8	75.4	56.3	82.7
Master's earned (%)	49.6	70.0	37.5	54.0	60.7
Master's earned at same doctorate institution (%)	56.5	72.2	44.8	46.1	64.1
Time to doctorate (median years)					
Years since earning bachelor's degree	6.8	6.7	6.3	6.8	7.2
From graduate school start	6.0	6.0	5.8	5.8	6.5
From doctoral program start ^c	5.8	5.9	5.3	5.3	6.0
Received tuition remission (%)	91.7	91.4	92.4	87.3	91.6
Male doctorate recipients (number)	3,477	216	1,468	201	1,592
Citizenship status (%)					
U.S. citizen or permanent resident	56.6	64.4	59.5	48.8	53.8
Temporary visa holder	38.9	33.8	35.8	49.3	41.2
Unknown	4.5	1.9	4.7	2.0	5.0
Marital status (%)					
Never married	51.4	56.0	49.8	51.7	52.2
Married	26.3	D	27.2	D	25.3
Marriage-like relationship	10.8	14.4	11.0	10.4	10.1
Separated, divorced, widowed	1.3	D	1.5	D	1.0
Unknown	10.3	3.7	10.6	6.5	11.4
Has dependent age 18 or younger (%)	9.5	7.7	10.4	9.0	9.0
Has one or more functional limitations (%)	14.2	16.8	13.9	17.3	13.6
Age at doctorate (median years)	29.3	29.3	29.0	29.7	29.7
Bachelor's in same field as doctorate (%) ^b	78.2	89.6	75.3	53.4	82.6
Master's earned (%)	50.3	68.9	37.9	57.6	58.1
Master's earned at same doctorate institution (%)	56.3	69.0	41.7	49.1	63.8
Time to doctorate (median years)					
Years since earning bachelor's degree	6.9	6.8	6.5	6.9	7.2
From graduate school start	6.0	6.0	5.8	6.0	6.5
From doctoral program start ^c	5.8	5.9	5.3	5.3	6.0
Received tuition remission (%)	91.1	91.8	91.5	85.2	91.5
Female doctorate recipients (number)	1,855	121	1,159	125	450
Citizenship status (%)					

Table 8-11. Physical sciences research doctorate recipients, statistical profile by sex and major field of doctorate: 2025

(Number, percent, and median years)

Characteristic	All physical sciences fields	Astronomy and astrophysics	Chemistry	Materials sciences	Physics
U.S. citizen or permanent resident	61.5	71.9	65.1	53.6	51.8
Temporary visa holder	34.1	26.4	30.2	44.0	43.3
Unknown	4.4	1.7	4.7	2.4	4.9
Marital status (%)					
Never married	48.0	57.0	48.4	42.4	46.2
Married	26.0	D	25.5	D	27.1
Marriage-like relationship	12.7	17.4	12.9	12.0	11.1
Separated, divorced, widowed	2.3	D	1.7	D	3.3
Unknown	11.0	3.3	11.5	9.6	12.2
Has dependent age 18 or younger (%)	7.8	4.3	7.2	14.7	8.3
Has one or more functional limitations (%)	16.4	23.5	15.6	19.8	15.5
Age at doctorate (median years)	28.8	28.7	28.7	29.3	29.6
Bachelor's in same field as doctorate (%) ^b	77.2	87.4	75.5	61.0	83.1
Master's earned (%)	48.1	72.0	36.9	48.3	69.9
Master's earned at same doctorate institution (%)	57.0	77.6	49.0	40.4	65.0
Time to doctorate (median years)					
Years since earning bachelor's degree	6.5	6.3	6.3	6.3	7.1
From graduate school start	5.8	6.0	5.5	5.5	6.5
From doctoral program start ^c	5.4	5.8	5.3	5.1	6.0
Received tuition remission (%)	92.8	90.7	93.6	90.7	91.9

D = suppressed to avoid disclosure of confidential information.

^a All doctorate recipients includes doctorate recipients who did not report sex.^b A bachelor's and doctoral degree are considered to be in the same field if doctorate recipient's first or most recent bachelor's degree is in the same broad field as their doctoral degree.^c Time to doctorate from doctoral program start is based on master's degree entry if the master's degree was at the same doctoral institution in the same field of study or was a prerequisite to the doctorate; otherwise, it is based on doctoral program entry.**Note(s):**

Due to rounding, percentages may not sum to 100. The survey data collection for the field of study changed in 2021, which may affect the data comparisons across years. This table uses the new field taxonomy based on a modified version of the 2020 Classification of Instructional Programs (CIP) codes and does not match data that uses the trend field taxonomy. 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.

Table 8-12. Psychology research doctorate recipients, statistical profile by sex and major field of doctorate: 2025

(Number, percent, and median years)

Characteristic	All psychology fields	Clinical psychology	Counseling and applied psychology	Research and experimental psychology	Psychology, other
All doctorate recipients (number) ^a	3,941	1,179	1,315	874	573
Sex (%)					
Male	23.2	20.3	23.2	29.1	20.6
Female	76.8	79.7	76.8	70.9	79.4
Unknown	0.0	0.0	0.0	0.0	0.0
Citizenship status (%)					
U.S. citizen or permanent resident	81.0	88.5	83.1	76.8	67.0
Temporary visa holder	10.1	4.3	8.4	20.0	10.5
Unknown	9.0	7.2	8.4	3.2	22.5
Marital status (%)					
Never married	30.8	30.8	29.2	39.9	20.8
Married	34.3	33.2	37.9	33.4	30.0
Marriage-like relationship	13.5	15.8	12.3	15.1	9.2
Separated, divorced, widowed	4.3	3.1	5.7	3.5	5.1
Unknown	17.0	17.2	14.9	8.0	34.9
Has dependent age 18 or younger (%)	16.6	15.5	18.7	11.9	23.1
Has one or more functional limitations (%)	20.0	18.7	19.8	21.4	20.8
Age at doctorate (median years)	31.4	31.3	32.3	30.4	32.2
Bachelor's in same field as doctorate (%) ^b	70.5	78.6	67.4	69.5	60.4
Master's earned (%)	88.0	88.2	90.3	84.3	88.0
Master's earned at same doctorate institution (%)	63.7	72.8	54.8	68.1	58.4
Time to doctorate (median years)					
Years since earning bachelor's degree	8.8	9.0	9.3	8.0	9.3
From graduate school start	7.0	6.8	7.6	6.3	7.0
From doctoral program start ^c	5.9	6.0	5.5	5.7	5.3
Received tuition remission (%)	80.6	79.9	76.2	90.4	74.7
Male doctorate recipients (number)	916	239	305	254	118
Citizenship status (%)					
U.S. citizen or permanent resident	79.8	84.1	83.9	76.8	66.9
Temporary visa holder	11.6	5.9	9.2	20.5	10.2
Unknown	8.6	10.0	6.9	2.8	22.9
Marital status (%)					
Never married	33.2	28.9	31.8	44.1	22.0
Married	32.5	33.1	36.4	28.0	31.4
Marriage-like relationship	14.1	13.8	13.4	D	D
Separated, divorced, widowed	3.4	2.1	4.9	D	D
Unknown	16.8	22.2	13.4	7.9	33.9
Has dependent age 18 or younger (%)	16.8	19.8	15.2	11.1	32.1
Has one or more functional limitations (%)	22.2	23.0	21.4	24.6	16.0
Age at doctorate (median years)	32.3	32.5	33.2	30.9	34.0
Bachelor's in same field as doctorate (%) ^b	67.9	77.8	63.7	67.6	58.5
Master's earned (%)	85.6	87.8	87.9	81.3	85.4

Table 8-12. Psychology research doctorate recipients, statistical profile by sex and major field of doctorate: 2025

(Number, percent, and median years)

Characteristic	All psychology fields	Clinical psychology	Counseling and applied psychology	Research and experimental psychology	Psychology, other
Master's earned at same doctorate institution (%)	61.2	72.1	51.3	66.5	52.9
Time to doctorate (median years)					
Years since earning bachelor's degree	9.1	9.3	9.3	8.2	10.0
From graduate school start	7.0	7.0	7.8	6.7	7.4
From doctoral program start ^c	5.9	6.0	5.8	5.8	5.0
Received tuition remission (%)	81.4	78.7	76.2	92.3	73.4
Female doctorate recipients (number)	3,025	940	1,010	620	455
Citizenship status (%)					
U.S. citizen or permanent resident	81.3	89.6	82.9	76.8	67.0
Temporary visa holder	9.6	3.9	8.2	19.8	10.5
Unknown	9.1	6.5	8.9	3.4	22.4
Marital status (%)					
Never married	30.1	31.3	28.4	38.2	20.4
Married	34.9	33.2	38.3	35.6	29.7
Marriage-like relationship	13.4	16.3	12.0	D	D
Separated, divorced, widowed	4.6	3.3	5.9	D	D
Unknown	17.0	16.0	15.3	8.1	35.2
Has dependent age 18 or younger (%)	16.5	14.4	19.8	12.3	20.7
Has one or more functional limitations (%)	19.3	17.7	19.3	20.1	22.0
Age at doctorate (median years)	31.2	31.0	32.0	30.2	31.6
Bachelor's in same field as doctorate (%) ^b	71.2	78.8	68.6	70.3	60.9
Master's earned (%)	88.7	88.3	91.1	85.5	88.7
Master's earned at same doctorate institution (%)	64.4	73.0	55.9	68.7	59.7
Time to doctorate (median years)					
Years since earning bachelor's degree	8.7	8.7	9.3	7.8	9.3
From graduate school start	6.9	6.3	7.3	6.0	6.9
From doctoral program start ^c	5.8	6.0	5.3	5.3	5.4
Received tuition remission (%)	80.4	80.2	76.2	89.7	75.0

D = suppressed to avoid disclosure of confidential information.

^a All doctorate recipients includes doctorate recipients who did not report sex.^b A bachelor's and doctoral degree are considered to be in the same field if doctorate recipient's first or most recent bachelor's degree is in the same broad field as their doctoral degree.^c Time to doctorate from doctoral program start is based on master's degree entry if the master's degree was at the same doctoral institution in the same field of study or was a prerequisite to the doctorate; otherwise, it is based on doctoral program entry.**Note(s):**

Due to rounding, percentages may not sum to 100. The survey data collection for the field of study changed in 2021, which may affect the data comparisons across years. This table uses the new field taxonomy based on a modified version of the 2020 Classification of Instructional Programs (CIP) codes and does not match data that uses the trend field taxonomy. 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.

Table 8-13. Social sciences research doctorate recipients, statistical profile by sex and major field of doctorate: 2025

(Number, percent, and median years)

Characteristic	All social sciences fields	Anthropology	Area, ethnic, cultural, gender, and group studies	Economics	Political science and government	Public policy analysis	Sociology, demography, and population studies	Social sciences, other
All doctorate recipients (number) ^a	4,893	433	419	1,390	634	383	588	1,046
Sex (%)								
Male	46.7	31.4	35.8	63.2	56.5	37.6	34.4	40.0
Female	53.3	68.6	64.2	36.8	43.5	62.4	65.6	60.0
Unknown	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Citizenship status (%)								
U.S. citizen or permanent resident	60.9	72.1	69.7	36.3	63.7	79.6	77.4	67.6
Temporary visa holder	34.5	21.2	26.0	58.8	31.5	16.4	18.4	28.5
Unknown	4.6	6.7	4.3	5.0	4.7	3.9	4.3	3.9
Marital status (%)								
Never married	33.8	29.6	36.0	39.3	32.8	26.1	28.7	33.7
Married	40.2	37.9	32.9	36.9	41.6	49.9	43.0	42.5
Marriage-like relationship	11.1	14.5	11.9	9.2	11.5	7.6	15.5	10.4
Separated, divorced, widowed	4.5	5.3	8.4	1.7	3.9	8.4	4.4	5.4
Unknown	10.3	12.7	10.7	12.9	10.1	8.1	8.3	7.8
Has dependent age 18 or younger (%)	22.0	18.8	18.5	17.0	20.9	30.7	27.1	25.3
Has one or more functional limitations (%)	17.4	21.1	24.7	11.9	15.4	16.4	20.1	19.9
Age at doctorate (median years)	33.3	34.3	34.5	31.8	33.1	37.5	33.9	34.1
Bachelor's in same field as doctorate (%) ^b	54.7	60.2	30.8	66.2	69.4	36.4	61.9	41.6
Master's earned (%)	87.9	87.7	91.9	80.7	84.5	92.5	94.4	92.1
Master's earned at same doctorate institution (%)	44.5	55.2	41.6	39.3	51.9	37.6	56.6	39.3
Time to doctorate (median years)								
Years since earning bachelor's degree	10.3	11.1	11.0	9.0	10.0	14.0	10.9	10.6
From graduate school start	8.8	9.3	9.3	7.8	8.4	11.4	9.0	9.0
From doctoral program start ^c	6.0	7.2	6.8	5.8	6.2	5.8	6.9	5.9
Received tuition remission (%)	88.5	91.2	88.1	93.9	91.7	69.1	93.3	83.4
Male doctorate recipients (number)	2,287	136	150	879	358	144	202	418
Citizenship status (%)								
U.S. citizen or permanent resident	55.2	64.0	60.0	37.3	63.4	75.7	75.2	64.6
Temporary visa holder	39.9	26.5	34.7	58.2	30.7	21.5	20.3	31.3
Unknown	4.9	9.6	5.3	4.4	5.9	2.8	4.5	4.1
Marital status (%)								
Never married	35.3	33.8	42.7	39.4	32.7	27.8	25.7	34.0
Married	40.6	32.4	34.0	37.0	43.3	52.1	42.6	45.9
Marriage-like relationship	10.4	12.5	10.7	10.0	10.9	5.6	17.8	8.1
Separated, divorced, widowed	2.9	5.9	4.7	1.0	2.0	6.9	4.0	4.3

Table 8-13. Social sciences research doctorate recipients, statistical profile by sex and major field of doctorate: 2025

(Number, percent, and median years)

Characteristic	All social sciences fields	Anthropology	Area, ethnic, cultural, gender, and group studies	Economics	Political science and government	Public policy analysis	Sociology, demography, and population studies	Social sciences, other
Unknown	10.8	15.4	8.0	12.6	11.2	7.6	9.9	7.7
Has dependent age 18 or younger (%)	23.4	21.4	15.9	18.8	22.3	31.1	31.9	30.0
Has one or more functional limitations (%)	14.6	17.7	19.9	11.2	14.6	16.9	12.0	19.2
Age at doctorate (median years)	33.3	35.4	34.6	32.1	33.0	37.7	34.7	34.9
Bachelor's in same field as doctorate (%) ^b	57.9	55.5	33.8	65.9	68.9	41.9	63.1	44.9
Master's earned (%)	86.6	86.6	93.5	80.7	84.4	91.2	93.6	92.9
Master's earned at same doctorate institution (%)	42.8	51.5	36.9	39.9	50.6	37.1	60.0	35.3
Time to doctorate (median years)								
Years since earning bachelor's degree	10.0	11.9	11.1	9.0	10.0	13.5	11.0	11.0
From graduate school start	8.4	9.7	9.7	7.7	8.0	10.5	9.0	9.1
From doctoral program start ^c	5.9	7.3	6.5	5.8	6.1	5.7	7.0	5.9
Received tuition remission (%)	88.9	91.6	87.1	94.1	92.9	67.9	93.5	80.2
Female doctorate recipients (number)	2,606	297	269	511	276	239	386	628
Citizenship status (%)								
U.S. citizen or permanent resident	65.8	75.8	75.1	34.4	64.1	82.0	78.5	69.6
Temporary visa holder	29.7	18.9	21.2	59.7	32.6	13.4	17.4	26.6
Unknown	4.5	5.4	3.7	5.9	3.3	4.6	4.1	3.8
Marital status (%)								
Never married	32.5	27.6	32.3	39.1	33.0	25.1	30.3	33.6
Married	39.9	40.4	32.3	36.8	39.5	48.5	43.3	40.3
Marriage-like relationship	11.7	15.5	12.6	7.8	12.3	8.8	14.2	11.9
Separated, divorced, widowed	5.9	5.1	10.4	2.9	6.5	9.2	4.7	6.2
Unknown	9.9	11.4	12.3	13.3	8.7	8.4	7.5	8.0
Has dependent age 18 or younger (%)	20.8	17.6	20.0	14.0	19.1	30.5	24.7	22.2
Has one or more functional limitations (%)	19.7	22.6	27.6	13.1	16.5	16.1	24.3	20.4
Age at doctorate (median years)	33.3	33.8	34.4	31.6	33.2	37.3	33.4	33.4
Bachelor's in same field as doctorate (%) ^b	52.0	62.2	29.1	66.6	70.0	33.0	61.3	39.4
Master's earned (%)	89.0	88.1	91.0	80.7	84.5	93.4	94.8	91.6
Master's earned at same doctorate institution (%)	46.0	56.7	44.3	38.1	53.5	37.9	54.8	42.0
Time to doctorate (median years)								
Years since earning bachelor's degree	10.5	10.8	11.0	9.1	10.4	14.0	10.6	10.3
From graduate school start	8.9	9.3	9.3	7.8	8.8	11.8	8.9	9.0
From doctoral program start ^c	6.0	7.2	6.8	5.8	6.3	5.8	6.8	5.9
Received tuition remission (%)	88.2	91.0	88.8	93.4	90.2	69.8	93.2	85.6

^a All doctorate recipients includes doctorate recipients who did not report sex.
^b A bachelor's and doctoral degree are considered to be in the same field if doctorate recipient's first or most recent bachelor's degree is in the same broad field as their doctoral degree.
^c Time to doctorate from doctoral program start is based on master's degree entry if the master's degree was at the same doctoral institution in the same field of study or was a prerequisite to the doctorate; otherwise, it is based on doctoral program entry.

Note(s):
Due to rounding, percentages may not sum to 100. The survey data collection for the field of study changed in 2021, which may affect the data comparisons across years. This table uses the new field taxonomy based on a modified version of the 2020 Classification of Instructional Programs (CIP) codes and does not match data that uses the trend field taxonomy. 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.

Table 8-14. Education research doctorate recipients, statistical profile by sex and major field of doctorate: 2025

(Number, percent, and median years)

Characteristic	All education fields	Education leadership and administration	Education research	Teacher education and teaching fields	Education, other
All doctorate recipients (number) ^a	4,048	1,245	1,194	1,124	485
Sex (%)					
Male	26.1	28.8	26.3	23.8	23.7
Female	73.9	71.2	73.7	76.2	76.3
Unknown	0.0	0.0	0.0	0.0	0.0
Citizenship status (%)					
U.S. citizen or permanent resident	81.2	88.0	77.8	79.9	75.1
Temporary visa holder	12.5	7.4	16.2	15.3	9.9
Unknown	6.3	4.7	6.0	4.8	15.1
Marital status (%)					
Never married	19.8	17.8	21.4	21.4	17.3
Married	52.5	54.0	50.0	56.5	45.4
Marriage-like relationship	5.3	5.8	5.0	4.5	6.4
Separated, divorced, widowed	7.8	8.3	7.0	7.7	8.7
Unknown	14.7	14.2	16.6	9.9	22.3
Has dependent age 18 or younger (%)	42.0	44.8	40.1	41.5	39.8
Has one or more functional limitations (%)	17.0	17.4	16.2	16.7	18.5
Age at doctorate (median years)	39.8	41.4	38.8	38.8	39.3
Bachelor's in same field as doctorate (%) ^b	26.3	22.3	21.4	37.0	22.2
Master's earned (%)	96.5	97.4	95.6	96.9	95.6
Master's earned at same doctorate institution (%)	32.5	29.3	33.4	32.2	40.2
Time to doctorate (median years)					
Years since earning bachelor's degree	16.0	17.9	15.0	15.3	15.0
From graduate school start	12.3	14.3	11.8	11.8	11.1
From doctoral program start ^c	5.5	5.3	5.7	5.3	5.8
Received tuition remission (%)	61.1	54.6	62.4	65.3	65.0
Male doctorate recipients (number)	1,055	358	314	268	115
Citizenship status (%)					
U.S. citizen or permanent resident	79.9	89.7	75.5	73.5	76.5
Temporary visa holder	14.3	6.7	19.1	21.6	7.8
Unknown	5.8	3.6	5.4	4.9	15.7
Marital status (%)					
Never married	20.8	19.0	20.7	23.5	20.0
Married	55.7	58.7	54.1	56.7	48.7
Marriage-like relationship	5.5	D	3.8	5.6	D
Separated, divorced, widowed	4.2	D	5.7	3.4	D
Unknown	13.8	11.5	15.6	10.8	23.5
Has dependent age 18 or younger (%)	45.9	51.1	43.3	41.4	47.2
Has one or more functional limitations (%)	17.1	17.4	17.1	14.2	24.1
Age at doctorate (median years)	39.4	40.4	38.8	38.0	39.5
Bachelor's in same field as doctorate (%) ^b	25.9	22.1	22.1	36.4	22.0
Master's earned (%)	96.1	97.2	94.5	96.4	95.6

Table 8-14. Education research doctorate recipients, statistical profile by sex and major field of doctorate: 2025

(Number, percent, and median years)

Characteristic	All education fields	Education leadership and administration	Education research	Teacher education and teaching fields	Education, other
Master's earned at same doctorate institution (%)	30.2	29.7	31.6	27.4	35.6
Time to doctorate (median years)					
Years since earning bachelor's degree	15.0	16.4	14.3	15.0	14.5
From graduate school start	12.0	13.9	10.8	11.3	10.3
From doctoral program start ^c	5.7	5.7	5.8	5.0	5.8
Received tuition remission (%)	61.1	54.7	62.1	66.7	65.2
Female doctorate recipients (number)	2,993	887	880	856	370
Citizenship status (%)					
U.S. citizen or permanent resident	81.6	87.3	78.6	81.9	74.6
Temporary visa holder	11.8	7.7	15.1	13.3	10.5
Unknown	6.5	5.1	6.3	4.8	14.9
Marital status (%)					
Never married	19.4	17.2	21.7	20.7	16.5
Married	51.3	52.1	48.5	56.4	44.3
Marriage-like relationship	5.2	D	5.5	4.2	D
Separated, divorced, widowed	9.1	D	7.4	9.1	D
Unknown	15.0	15.3	16.9	9.6	21.9
Has dependent age 18 or younger (%)	40.6	42.2	39.0	41.6	37.5
Has one or more functional limitations (%)	16.9	17.4	15.8	17.5	16.8
Age at doctorate (median years)	40.0	42.3	38.8	39.3	39.3
Bachelor's in same field as doctorate (%) ^b	26.5	22.4	21.1	37.2	22.2
Master's earned (%)	96.7	97.5	95.9	97.1	95.6
Master's earned at same doctorate institution (%)	33.3	29.1	34.0	33.7	41.5
Time to doctorate (median years)					
Years since earning bachelor's degree	16.3	18.3	15.6	15.3	15.3
From graduate school start	12.6	14.7	12.0	11.9	11.5
From doctoral program start ^c	5.4	5.3	5.6	5.3	5.7
Received tuition remission (%)	61.1	54.6	62.5	64.9	65.0

D = suppressed to avoid disclosure of confidential information.

^a All doctorate recipients includes doctorate recipients who did not report sex.^b A bachelor's and doctoral degree are considered to be in the same field if doctorate recipient's first or most recent bachelor's degree is in the same broad field as their doctoral degree.^c Time to doctorate from doctoral program start is based on master's degree entry if the master's degree was at the same doctoral institution in the same field of study or was a prerequisite to the doctorate; otherwise, it is based on doctoral program entry.**Note(s):**

Due to rounding, percentages may not sum to 100. The survey data collection for the field of study changed in 2021, which may affect the data comparisons across years. This table uses the new field taxonomy based on a modified version of the 2020 Classification of Instructional Programs (CIP) codes and does not match data that uses the trend field taxonomy. 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.

Table 8-15. Humanities research doctorate recipients, statistical profile by sex and major field of doctorate: 2025

(Number, percent, and median years)

Characteristic	All humanities fields	English language and literature, letters	Foreign languages, literatures, and linguistics	History	Philosophy and religious studies	Humanities, other
All doctorate recipients (number) ^a	3,355	984	542	779	628	422
Sex (%)						
Male	49.5	34.7	42.1	54.7	61.6	66.1
Female	50.5	65.3	57.9	45.3	38.4	33.9
Unknown	0.0	0.0	0.0	0.0	0.0	0.0
Citizenship status (%)						
U.S. citizen or permanent resident	73.2	82.4	52.6	78.3	72.6	69.4
Temporary visa holder	20.2	11.7	41.0	17.7	19.3	19.2
Unknown	6.6	5.9	6.5	4.0	8.1	11.4
Marital status (%)						
Never married	28.9	31.9	31.9	30.0	28.7	16.1
Married	43.0	38.4	40.8	44.8	39.8	58.3
Marriage-like relationship	10.0	12.0	7.9	11.9	11.9	1.7
Separated, divorced, widowed	4.1	5.0	4.4	3.0	4.3	3.1
Unknown	14.0	12.7	14.9	10.3	15.3	20.9
Has dependent age 18 or younger (%)	24.5	19.4	20.0	23.8	23.5	46.5
Has one or more functional limitations (%)	19.6	24.1	19.5	16.4	18.7	16.3
Age at doctorate (median years)	34.6	33.9	34.8	34.4	34.4	38.9
Bachelor's in same field as doctorate (%) ^b	69.9	80.8	67.4	69.7	68.9	47.6
Master's earned (%)	91.0	91.4	90.0	92.3	86.1	96.6
Master's earned at same doctorate institution (%)	38.9	30.0	45.8	41.8	40.8	43.3
Time to doctorate (median years)						
Years since earning bachelor's degree	11.4	11.0	11.4	11.3	11.0	15.0
From graduate school start	9.7	9.0	9.6	9.7	9.5	11.8
From doctoral program start ^c	6.8	6.0	6.9	7.0	6.8	7.0
Received tuition remission (%)	88.4	90.6	92.7	90.8	91.5	67.5
Male doctorate recipients (number)	1,661	341	228	426	387	279
Citizenship status (%)						
U.S. citizen or permanent resident	72.7	79.2	53.1	77.0	73.6	73.1
Temporary visa holder	20.5	13.5	41.7	20.2	18.1	15.4
Unknown	6.8	7.3	5.3	2.8	8.3	11.5
Marital status (%)						
Never married	27.0	28.2	34.2	28.6	31.3	11.1
Married	46.3	40.8	36.8	48.4	41.1	64.9
Marriage-like relationship	9.0	D	8.8	10.6	9.8	D
Separated, divorced, widowed	2.9	D	4.4	2.3	3.4	D
Unknown	14.8	14.7	15.8	10.1	14.5	21.9
Has dependent age 18 or younger (%)	30.1	22.8	20.0	28.7	26.3	57.1

Table 8-15. Humanities research doctorate recipients, statistical profile by sex and major field of doctorate: 2025

(Number, percent, and median years)

Characteristic	All humanities fields	English language and literature, letters	Foreign languages, literatures, and linguistics	History	Philosophy and religious studies	Humanities, other
Has one or more functional limitations (%)	16.6	19.4	16.9	14.3	17.2	15.6
Age at doctorate (median years)	35.4	34.7	35.7	35.0	34.4	40.0
Bachelor's in same field as doctorate (%) ^b	68.7	79.1	66.5	69.2	70.9	52.8
Master's earned (%)	91.8	90.3	89.1	95.1	87.9	96.5
Master's earned at same doctorate institution (%)	38.9	27.3	44.2	39.4	39.8	46.6
Time to doctorate (median years)						
Years since earning bachelor's degree	12.0	11.3	12.0	11.6	11.3	16.0
From graduate school start	9.9	9.0	10.0	9.8	9.8	12.8
From doctoral program start ^c	6.8	6.0	6.9	7.0	6.8	7.0
Received tuition remission (%)	86.3	91.5	91.8	89.9	91.1	61.3
Female doctorate recipients (number)	1,694	643	314	353	241	143
Citizenship status (%)						
U.S. citizen or permanent resident	73.6	84.1	52.2	79.9	71.0	62.2
Temporary visa holder	19.9	10.7	40.4	14.7	21.2	26.6
Unknown	6.5	5.1	7.3	5.4	7.9	11.2
Marital status (%)						
Never married	30.8	33.9	30.3	31.7	24.5	25.9
Married	39.8	37.2	43.6	40.5	37.8	45.5
Marriage-like relationship	11.0	D	7.3	13.6	15.4	D
Separated, divorced, widowed	5.2	D	4.5	3.7	5.8	D
Unknown	13.2	11.7	14.3	10.5	16.6	18.9
Has dependent age 18 or younger (%)	19.0	17.6	20.0	17.8	18.8	26.7
Has one or more functional limitations (%)	22.5	26.4	21.3	19.0	21.2	17.7
Age at doctorate (median years)	34.0	33.3	34.3	33.5	34.2	36.5
Bachelor's in same field as doctorate (%) ^b	71.0	81.7	68.0	70.3	65.7	37.7
Master's earned (%)	90.2	92.0	90.5	89.0	83.2	96.7
Master's earned at same doctorate institution (%)	39.0	31.3	47.0	44.8	42.4	37.1
Time to doctorate (median years)						
Years since earning bachelor's degree	11.0	10.6	11.2	10.9	10.8	13.0
From graduate school start	9.1	8.9	9.1	9.3	9.2	10.8
From doctoral program start ^c	6.8	6.0	6.9	7.0	6.9	7.0
Received tuition remission (%)	90.5	90.1	93.4	91.9	92.2	79.2

D = suppressed to avoid disclosure of confidential information.

^a All doctorate recipients includes doctorate recipients who did not report sex.

^b A bachelor's and doctoral degree are considered to be in the same field if doctorate recipient's first or most recent bachelor's degree is in the same broad field as their doctoral degree.

^c Time to doctorate from doctoral program start is based on master's degree entry if the master's degree was at the same doctoral institution in the same field of study or was a prerequisite to the doctorate; otherwise, it is based on doctoral program entry.

Note(s):

Due to rounding, percentages may not sum to 100. The survey data collection for the field of study changed in 2021, which may affect the data comparisons across years. This table uses the new field taxonomy based on a modified version of the 2020 Classification of Instructional Programs (CIP) codes and does not match data that uses the trend field taxonomy. 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.

Table 8-16. Business research doctorate recipients, statistical profile by sex and major field of doctorate: 2025

(Number, percent, and median years)

Characteristic	All business fields	Business administration and management	Business, other
All doctorate recipients (number) ^a	1,350	461	889
Sex (%)			
Male	55.7	54.4	56.4
Female	44.3	45.6	43.6
Unknown	0.0	0.0	0.0
Citizenship status (%)			
U.S. citizen or permanent resident	43.6	41.4	44.7
Temporary visa holder	47.0	38.8	51.2
Unknown	9.5	19.7	4.2
Marital status (%)			
Never married	27.6	21.0	31.0
Married	43.9	39.7	46.0
Marriage-like relationship	5.9	2.8	7.4
Separated, divorced, widowed	3.9	4.8	3.5
Unknown	18.7	31.7	12.0
Has dependent age 18 or younger (%)	29.1	31.6	28.1
Has one or more functional limitations (%)	13.5	14.3	13.1
Age at doctorate (median years)	34.3	35.8	33.5
Bachelor's in same field as doctorate (%) ^b	42.0	33.3	45.6
Master's earned (%)	86.5	88.5	85.7
Master's earned at same doctorate institution (%)	25.6	22.3	27.0
Time to doctorate (median years)			
Years since earning bachelor's degree	10.9	12.3	10.3
From graduate school start	8.8	9.8	8.7
From doctoral program start ^c	5.3	5.3	5.3
Received tuition remission (%)	80.5	69.8	84.9
Male doctorate recipients (number)	752	251	501
Citizenship status (%)			
U.S. citizen or permanent resident	42.2	37.8	44.3
Temporary visa holder	49.5	45.0	51.7
Unknown	8.4	17.1	4.0
Marital status (%)			
Never married	27.4	19.9	31.1
Married	48.7	47.8	49.1
Marriage-like relationship	5.2	2.8	6.4
Separated, divorced, widowed	2.3	2.8	2.0
Unknown	16.5	26.7	11.4
Has dependent age 18 or younger (%)	31.5	36.3	29.6
Has one or more functional limitations (%)	11.9	12.3	11.8
Age at doctorate (median years)	34.3	35.8	33.7
Bachelor's in same field as doctorate (%) ^b	40.8	32.1	44.4
Master's earned (%)	85.0	88.3	83.7
Master's earned at same doctorate institution (%)	24.3	17.7	27.2
Time to doctorate (median years)			
Years since earning bachelor's degree	10.8	12.0	10.0
From graduate school start	8.7	9.7	8.4
From doctoral program start ^c	5.2	5.3	5.2
Received tuition remission (%)	81.5	71.5	85.5
Female doctorate recipients (number)	598	210	388
Citizenship status (%)			
U.S. citizen or permanent resident	45.3	45.7	45.1
Temporary visa holder	43.8	31.4	50.5

Table 8-16. Business research doctorate recipients, statistical profile by sex and major field of doctorate: 2025

(Number, percent, and median years)

Characteristic	All business fields	Business administration and management	Business, other
Unknown	10.9	22.9	4.4
Marital status (%)			
Never married	27.9	22.4	30.9
Married	37.8	30.0	42.0
Marriage-like relationship	6.7	2.9	8.8
Separated, divorced, widowed	6.0	7.1	5.4
Unknown	21.6	37.6	12.9
Has dependent age 18 or younger (%)	25.9	25.0	26.2
Has one or more functional limitations (%)	15.5	17.2	14.9
Age at doctorate (median years)	34.2	36.0	33.2
Bachelor's in same field as doctorate (%) ^b	43.6	35.0	47.1
Master's earned (%)	88.4	88.7	88.3
Master's earned at same doctorate institution (%)	27.3	28.5	26.8
Time to doctorate (median years)			
Years since earning bachelor's degree	11.0	12.8	10.5
From graduate school start	8.9	10.2	8.8
From doctoral program start ^c	5.3	5.3	5.3
Received tuition remission (%)	79.3	67.6	84.0

^a All doctorate recipients includes doctorate recipients who did not report sex.^b A bachelor's and doctoral degree are considered to be in the same field if doctorate recipient's first or most recent bachelor's degree is in the same broad field as their doctoral degree.^c Time to doctorate from doctoral program start is based on master's degree entry if the master's degree was at the same doctoral institution in the same field of study or was a prerequisite to the doctorate; otherwise, it is based on doctoral program entry.**Note(s):**

Due to rounding, percentages may not sum to 100. The survey data collection for the field of study changed in 2021, which may affect the data comparisons across years. This table uses the new field taxonomy based on a modified version of the 2020 Classification of Instructional Programs (CIP) codes and does not match data that uses the trend field taxonomy. 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.

Table 8-17. Visual and performing arts research doctorate recipients, statistical profile by sex and major field of doctorate: 2025

(Number, percent, and median years)

Characteristic	All visual and performing arts fields	Performing arts	Visual arts, media studies, and design
All doctorate recipients (number) ^a	793	494	299
Sex (%)			
Male	43.4	48.6	34.8
Female	56.6	51.4	65.2
Unknown	0.0	0.0	0.0
Citizenship status (%)			
U.S. citizen or permanent resident	70.4	69.2	72.2
Temporary visa holder	23.0	22.1	24.4
Unknown	6.7	8.7	3.3
Marital status (%)			
Never married	31.8	31.6	32.1
Married	37.7	36.6	39.5
Marriage-like relationship	12.4	11.5	13.7
Separated, divorced, widowed	4.4	4.3	4.7
Unknown	13.7	16.0	10.0
Has dependent age 18 or younger (%)	18.6	20.1	16.4
Has one or more functional limitations (%)	18.6	18.0	19.5
Age at doctorate (median years)	34.4	34.0	34.8
Bachelor's in same field as doctorate (%) ^b	67.1	73.6	57.1
Master's earned (%)	91.8	92.5	90.7
Master's earned at same doctorate institution (%)	36.0	36.0	36.1
Time to doctorate (median years)			
Years since earning bachelor's degree	11.2	10.9	12.0
From graduate school start	9.3	8.9	9.8
From doctoral program start ^c	6.7	5.8	7.0
Received tuition remission (%)	92.1	91.6	92.8
Male doctorate recipients (number)	344	240	104
Citizenship status (%)			
U.S. citizen or permanent resident	70.6	70.4	71.2
Temporary visa holder	23.5	22.5	26.0
Unknown	5.8	7.1	2.9
Marital status (%)			
Never married	30.8	30.0	32.7
Married	38.1	41.3	30.8
Marriage-like relationship	14.0	11.3	20.2
Separated, divorced, widowed	3.8	3.3	4.8
Unknown	13.4	14.2	11.5
Has dependent age 18 or younger (%)	18.7	19.9	16.1
Has one or more functional limitations (%)	20.5	20.5	20.7
Age at doctorate (median years)	34.7	34.7	34.8
Bachelor's in same field as doctorate (%) ^b	69.9	77.5	53.1
Master's earned (%)	91.6	93.4	87.5
Master's earned at same doctorate institution (%)	33.9	33.5	34.9
Time to doctorate (median years)			
Years since earning bachelor's degree	11.0	11.0	11.0
From graduate school start	9.3	9.3	9.3
From doctoral program start ^c	6.3	5.8	7.0
Received tuition remission (%)	91.4	91.3	91.8
Female doctorate recipients (number)	449	254	195
Citizenship status (%)			
U.S. citizen or permanent resident	70.2	68.1	72.8

Table 8-17. Visual and performing arts research doctorate recipients, statistical profile by sex and major field of doctorate: 2025

(Number, percent, and median years)

Characteristic	All visual and performing arts fields	Performing arts	Visual arts, media studies, and design
Temporary visa holder	22.5	21.7	23.6
Unknown	7.3	10.2	3.6
Marital status (%)			
Never married	32.5	33.1	31.8
Married	37.4	32.3	44.1
Marriage-like relationship	11.1	11.8	10.3
Separated, divorced, widowed	4.9	5.1	4.6
Unknown	14.0	17.7	9.2
Has dependent age 18 or younger (%)	18.5	20.3	16.5
Has one or more functional limitations (%)	17.1	15.5	19.0
Age at doctorate (median years)	34.3	33.3	34.8
Bachelor's in same field as doctorate (%) ^b	64.9	69.8	59.2
Master's earned (%)	91.9	91.5	92.3
Master's earned at same doctorate institution (%)	37.6	38.5	36.7
Time to doctorate (median years)			
Years since earning bachelor's degree	11.3	10.4	12.1
From graduate school start	9.3	8.8	10.0
From doctoral program start ^c	6.8	5.9	7.0
Received tuition remission (%)	92.5	91.9	93.3

^a All doctorate recipients includes doctorate recipients who did not report sex.^b A bachelor's and doctoral degree are considered to be in the same field if doctorate recipient's first or most recent bachelor's degree is in the same broad field as their doctoral degree.^c Time to doctorate from doctoral program start is based on master's degree entry if the master's degree was at the same doctoral institution in the same field of study or was a prerequisite to the doctorate; otherwise, it is based on doctoral program entry.**Note(s):**

Due to rounding, percentages may not sum to 100. The survey data collection for the field of study changed in 2021, which may affect the data comparisons across years. This table uses the new field taxonomy based on a modified version of the 2020 Classification of Instructional Programs (CIP) codes and does not match data that uses the trend field taxonomy. 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.

Table 8-18. Other non-science and engineering research doctorate recipients, statistical profile by sex and major field of doctorate: 2025

(Number, percent, and median years)

Characteristic	All other non-science and engineering fields	Communication and journalism	Multidisciplinary/ interdisciplinary studies	Public administration and social services	Non-science and engineering, other
All doctorate recipients (number) ^a	2,197	584	349	532	732
Sex (%)					
Male	38.8	34.4	41.3	31.4	46.4
Female	61.2	65.6	58.7	68.6	53.6
Unknown	0.0	0.0	0.0	0.0	0.0
Citizenship status (%)					
U.S. citizen or permanent resident	65.6	65.6	67.3	76.5	57.0
Temporary visa holder	27.4	28.8	20.9	16.9	36.9
Unknown	7.0	5.7	11.7	6.6	6.1
Marital status (%)					
Never married	28.9	34.4	27.8	25.6	27.6
Married	43.3	40.4	40.1	44.7	46.0
Marriage-like relationship	7.5	9.8	7.2	6.2	6.7
Separated, divorced, widowed	5.7	2.9	5.2	9.6	5.5
Unknown	14.6	12.5	19.8	13.9	14.2
Has dependent age 18 or younger (%)	29.9	23.1	26.3	37.3	31.8
Has one or more functional limitations (%)	19.4	22.4	17.8	17.1	19.3
Age at doctorate (median years)	35.4	33.5	36.1	37.3	35.3
Bachelor's in same field as doctorate (%) ^b	39.2	51.1	35.6	31.3	37.3
Master's earned (%)	94.6	97.1	91.8	96.9	92.2
Master's earned at same doctorate institution (%)	34.1	28.7	41.3	36.3	33.7
Time to doctorate (median years)					
Years since earning bachelor's degree	11.8	10.2	12.7	13.4	11.4
From graduate school start	9.8	8.5	10.3	11.0	9.4
From doctoral program start ^c	5.7	5.0	6.8	5.8	5.3
Received tuition remission (%)	79.3	89.7	77.6	73.6	75.9
Male doctorate recipients (number)	852	201	144	167	340
Citizenship status (%)					
U.S. citizen or permanent resident	61.5	67.2	69.4	68.3	51.5
Temporary visa holder	31.0	25.9	18.8	25.1	42.1
Unknown	7.5	7.0	11.8	6.6	6.5
Marital status (%)					
Never married	25.9	33.8	25.7	20.4	24.1
Married	45.4	37.8	44.4	49.1	48.5

Table 8-18. Other non-science and engineering research doctorate recipients, statistical profile by sex and major field of doctorate: 2025

(Number, percent, and median years)

Characteristic	All other non-science and engineering fields	Communication and journalism	Multidisciplinary/ interdisciplinary studies	Public administration and social services	Non-science and engineering, other
Marriage-like relationship	7.5	10.0	6.3	6.6	7.1
Separated, divorced, widowed	5.2	3.5	3.5	7.8	5.6
Unknown	16.0	14.9	20.1	16.2	14.7
Has dependent age 18 or younger (%)	32.5	25.0	27.0	42.1	34.5
Has one or more functional limitations (%)	18.8	24.8	16.1	14.3	18.7
Age at doctorate (median years)	35.8	34.1	36.6	37.3	35.9
Bachelor's in same field as doctorate (%) ^b	39.1	53.2	38.5	22.8	39.2
Master's earned (%)	94.3	96.0	91.8	98.0	92.6
Master's earned at same doctorate institution (%)	31.4	28.3	32.4	31.4	32.9
Time to doctorate (median years)					
Years since earning bachelor's degree	11.6	10.1	12.7	12.7	11.3
From graduate school start	9.8	8.1	10.3	11.0	9.5
From doctoral program start ^c	5.3	5.0	6.7	5.7	5.0
Received tuition remission (%)	76.3	86.0	78.3	72.1	71.9
Female doctorate recipients (number)	1,345	383	205	365	392
Citizenship status (%)					
U.S. citizen or permanent resident	68.3	64.8	65.9	80.3	61.7
Temporary visa holder	25.1	30.3	22.4	13.2	32.4
Unknown	6.7	5.0	11.7	6.6	5.9
Marital status (%)					
Never married	30.9	34.7	29.3	27.9	30.6
Married	41.9	41.8	37.1	42.7	43.9
Marriage-like relationship	7.4	9.7	7.8	6.0	6.4
Separated, divorced, widowed	6.1	2.6	6.3	10.4	5.4
Unknown	13.7	11.2	19.5	12.9	13.8
Has dependent age 18 or younger (%)	28.3	22.1	25.9	35.0	29.6
Has one or more functional limitations (%)	19.7	21.2	18.9	18.4	19.9
Age at doctorate (median years)	35.0	33.1	35.6	37.3	34.7
Bachelor's in same field as doctorate (%) ^b	39.3	50.0	33.5	35.0	35.7
Master's earned (%)	94.8	97.7	91.8	96.4	91.8

Table 8-18. Other non-science and engineering research doctorate recipients, statistical profile by sex and major field of doctorate: 2025

(Number, percent, and median years)

Characteristic	All other non-science and engineering fields	Communication and journalism	Multidisciplinary/ interdisciplinary studies	Public administration and social services	Non-science and engineering, other
Master's earned at same doctorate institution (%)	35.8	29.0	47.7	38.4	34.5
Time to doctorate (median years)					
Years since earning bachelor's degree	11.8	10.3	12.7	14.0	11.5
From graduate school start	9.8	8.8	10.2	11.0	9.4
From doctoral program start ^c	5.8	5.0	6.8	5.8	5.7
Received tuition remission (%)	81.1	91.6	77.1	74.3	79.3

^a All doctorate recipients includes doctorate recipients who did not report sex.^b A bachelor's and doctoral degree are considered to be in the same field if doctorate recipient's first or most recent bachelor's degree is in the same broad field as their doctoral degree.^c Time to doctorate from doctoral program start is based on master's degree entry if the master's degree was at the same doctoral institution in the same field of study or was a prerequisite to the doctorate; otherwise, it is based on doctoral program entry.**Note(s):**

Due to rounding, percentages may not sum to 100. The survey data collection for the field of study changed in 2021, which may affect the data comparisons across years. This table uses the new field taxonomy based on a modified version of the 2020 Classification of Instructional Programs (CIP) codes and does not match data that uses the trend field taxonomy. 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.

Table 8-19. Statistical profile of research doctorate recipients, by ethnicity, race, and citizenship status: 2025

(Number, percent, and median years)

Characteristic	Total ^a	U.S. citizens and permanent residents	Temporary visa holders	Hispanic or Latino		Not Hispanic or Latino														Ethnicity not reported	
						American Indian or Alaska Native		Asian		Black or African American		White		More than one race		Other race or race not reported					
				U.S. citizens and permanent residents	Temporary visa holders	U.S. citizens and permanent residents	Temporary visa holders	U.S. citizens and permanent residents	Temporary visa holders	U.S. citizens and permanent residents	Temporary visa holders	U.S. citizens and permanent residents	Temporary visa holders	U.S. citizens and permanent residents	Temporary visa holders	U.S. citizens and permanent residents	Temporary visa holders	U.S. citizens and permanent residents	Temporary visa holders		
All doctorate recipients (number)	59,015	36,235	19,340	3,781	1,321	108	6	4,230	12,694	2,990	973	22,410	2,860	1,396	127	611	729	709	630		
Primary source of support (%) ^b																					
Teaching assistantships	20.2	18.6	23.2	18.5	26.2	9.9	D	16.7	23.2	12.5	27.5	19.9	21.6	16.0	21.6	18.8	D	20.2	20.8		
Research or other assistantships or traineeships ^c	36.8	30.0	49.6	24.9	37.6	18.7	D	37.8	54.0	16.3	44.6	31.5	39.4	29.1	D	27.2	39.4	19.0	45.5		
Fellowships, scholarships, or dissertation grants	24.0	26.3	19.6	33.1	28.0	37.4	D	29.8	16.9	26.9	19.0	24.0	26.8	32.6	D	26.2	27.4	30.2	21.8		
Own resources	15.2	20.7	4.7	20.0	3.0	28.6	D	13.1	4.6	38.5	6.8	19.8	4.6	19.6	D	24.5	5.7	26.2	7.9		
Employer or other sources	3.8	4.4	2.9	3.5	5.1	5.5	D	2.5	1.4	5.8	2.0	4.8	7.6	2.8	9.6	3.3	D	4.4	4.0		
Bachelor's in same field as doctorate (%) ^d	60.6	60.9	60.6	60.7	61.7	52.7	D	59.5	59.9	47.1	61.0	63.1	65.0	64.6	D	53.8	54.9	48.3	48.9		
Master's earned (%)	72.0	68.7	78.3	66.9	82.0	83.9	D	65.6	75.7	85.1	83.2	67.5	86.4	65.6	84.1	74.4	D	60.7	71.1		
Master's earned at same doctorate institution (%)	44.0	49.2	35.5	54.4	35.1	42.3	D	47.2	37.7	40.9	31.0	50.1	29.2	51.6	33.0	48.1	D	39.8	29.6		
Marital status (%)																					
Not married ^e	41.3	38.9	52.9	41.2	47.4	38.0	D	42.1	57.8	48.4	49.7	37.2	50.6	47.5	54.3	30.9	D	10.2	13.0		
Married or in marriage-like relationship	46.2	54.0	39.4	51.8	48.1	46.3	D	52.7	39.0	44.7	46.1	57.7	45.8	51.2	44.1	40.4	D	15.5	12.1		
Unknown	12.6	7.1	7.7	7.0	4.5	15.7	D	5.3	3.2	6.9	4.1	5.1	3.6	1.3	1.6	28.6	D	74.3	74.9		
Has dependent age 18 or younger (%)	18.3	20.5	14.3	19.5	15.9	33.0	D	19.2	11.2	30.4	36.3	19.9	18.8	15.4	19.4	20.5	D	20.2	22.1		

Table 8-19. Statistical profile of research doctorate recipients, by ethnicity, race, and citizenship status: 2025

(Number, percent, and median years)

Characteristic	Total ^a	U.S. citizens and permanent residents	Temporary visa holders	Hispanic or Latino		Not Hispanic or Latino												Ethnicity not reported	
						American Indian or Alaska Native		Asian		Black or African American		White		More than one race		Other race or race not reported			
				U.S. citizens and permanent residents	Temporary visa holders	U.S. citizens and permanent residents	Temporary visa holders	U.S. citizens and permanent residents	Temporary visa holders	U.S. citizens and permanent residents	Temporary visa holders	U.S. citizens and permanent residents	Temporary visa holders	U.S. citizens and permanent residents	Temporary visa holders	U.S. citizens and permanent residents	Temporary visa holders	U.S. citizens and permanent residents	Temporary visa holders
Has one or more functional limitations (%)	15.0	17.4	10.5	23.5	15.6	32.2	D	12.5	9.6	17.1	9.9	17.0	11.8	21.5	13.6	18.6	D	20.5	7.3
Age at doctorate (median years)	31.4	31.6	31.2	31.6	33.1	36.3	32.1	31.1	30.6	36.0	33.9	31.3	32.3	30.9	31.9	32.4	31.4	32.1	31.4
Time to doctorate (median years)																			
Years since earning bachelor's degree	8.6	8.7	8.5	8.3	9.4	10.6	9.7	8.4	8.1	11.9	10.3	8.5	9.4	8.3	8.9	10.0	8.8	9.1	8.6
From graduate school start	7.0	7.0	7.3	7.0	7.8	8.3	6.9	6.9	7.0	9.3	7.5	6.9	7.9	6.8	7.4	7.8	7.8	7.4	6.9
From doctoral program start ^f	5.8	5.8	5.6	5.8	5.7	5.8	4.1	5.8	5.6	5.8	5.0	5.8	5.6	5.8	5.5	5.8	5.8	5.3	5.3
Received tuition remission (%)	85.3	83.4	89.1	82.3	86.2	71.7	D	87.5	91.7	68.5	87.2	85.0	81.4	84.1	74.6	78.9	D	76.2	85.7

D = suppressed to avoid disclosure of confidential information.

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

^b Percentages are based on the number of doctorate recipients reporting a primary source of financial support during graduate school.

^c Research or other assistantships or traineeships includes research assistantships, other assistantships, traineeships, internships, or clinical residencies.

^d A bachelor's and doctoral degree are considered to be in the same field if doctorate recipient's first or most recent bachelor's degree is in the same broad field as their doctoral degree.

^e Not married includes never married, separated, divorced, or widowed.

^f Time to doctorate from doctoral program start is based on master's degree entry if the master's degree was at the same institution in the same field of study or was a prerequisite to the doctorate; otherwise, it is based on doctoral program entry.

Note(s):
Hispanic or Latino may be of any race; race categories exclude Hispanic origin. Due to rounding, percentages may not sum to 100.

Source(s):
National Center for Science and Engineering Statistics, Survey of Earned Doctorates.

Table 9-1. Science and engineering research doctorate recipients, postgraduation plans by sex and broad field of doctorate: 2025

(Number and percent)

Characteristic	All fields	Science and engineering											
		Total	Agricultural sciences and natural resources	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric, and ocean sciences	Health sciences	Mathematics and statistics	Multidisciplinary/ interdisciplinary sciences	Physical sciences	Psychology	Social sciences
Doctorate recipients reporting postgraduation status (number)	52,607	42,419	1,192	9,194	2,546	9,711	1,101	2,547	1,873	1,598	4,848	3,337	4,472
Definite postdoctoral training plans (%)	27.0	31.1	33.5	41.0	16.2	24.2	44.7	22.5	32.6	21.9	36.6	44.9	21.3
Definite employment plans (%)	40.1	35.6	35.0	18.4	58.1	41.1	25.7	47.0	36.5	47.0	26.5	32.0	50.5
Seeking employment or study (%)	29.7	30.1	29.2	34.1	23.3	32.5	27.0	27.2	29.1	28.7	35.2	20.9	25.5
Other status (%) ^a	3.1	3.1	2.2	6.3	2.4	2.1	2.6	3.3	1.8	2.3	1.7	2.0	2.5
Definite postdoctoral training plans (%) ^b													
Postdoc fellowship or research associateship	95.0	95.0	96.0	95.6	92.0	96.8	98.8	87.9	97.7	96.9	98.4	85.4	97.4
Other training or unknown ^c	5.0	5.0	4.0	4.4	8.0	3.2	1.2	12.1	2.3	3.1	1.6	14.6	2.6
Definite employment plans (%) ^d													
Academe	41.2	32.8	42.4	36.1	26.6	16.0	30.4	50.9	40.8	29.4	18.7	40.0	56.3
In tenure track faculty position	42.4	42.0	40.1	22.0	62.2	44.9	31.4	36.9	36.9	46.6	22.1	36.9	52.9
Not in tenure track position	53.3	53.0	57.1	74.3	33.8	46.3	65.1	56.2	58.1	46.2	71.3	59.8	43.7
Government	7.4	8.2	12.9	8.0	3.9	7.1	22.3	8.7	4.7	5.9	4.8	12.0	12.3
Industry or business ^e	38.8	50.4	34.3	46.8	66.6	72.3	38.5	23.0	49.8	58.6	70.8	29.7	18.2
Nonprofit organization	6.7	6.0	7.7	6.9	1.5	3.2	7.4	14.0	2.8	3.9	3.4	10.1	9.7
Other or unknown ^f	5.9	2.6	2.6	2.2	1.4	1.5	1.4	3.5	1.9	2.3	2.3	8.2	3.5
Primary activity ^g													
Research and development	42.5	51.8	49.0	54.1	68.4	60.3	49.3	28.2	43.8	63.9	66.2	23.7	40.7
Teaching	26.3	18.8	22.4	16.3	15.2	7.6	19.1	32.3	33.6	16.1	13.7	25.0	31.3
Management or administration	10.3	5.8	8.8	7.7	2.4	3.0	5.1	13.0	1.2	4.9	2.5	7.8	9.9
Professional services and other	20.9	23.6	19.8	21.9	14.0	29.2	26.5	26.4	21.4	15.0	17.7	43.5	18.0
Secondary activity ^g													
Research and development	24.9	23.2	26.8	19.9	20.6	20.2	30.9	33.2	30.4	17.9	15.1	24.1	29.8
Teaching	14.1	10.6	13.2	7.0	10.5	6.4	5.5	14.9	6.8	10.0	2.4	14.3	22.9
Management or administration	11.2	11.6	18.8	15.4	6.9	10.8	14.0	15.5	6.0	8.6	14.5	13.0	10.3
Professional services and other	13.0	14.8	10.7	12.7	16.6	20.2	14.3	11.7	14.2	18.9	13.0	11.6	9.9
No secondary activity	36.8	39.7	30.5	45.0	45.4	42.4	35.3	24.8	42.6	44.7	55.0	37.0	27.1
Activity unknown	2.8	2.8	1.7	2.7	2.5	3.0	3.9	3.3	2.8	2.5	2.1	3.3	2.6
Postgraduation location (%) ^h													
United States ⁱ	91.5	91.6	91.3	95.0	91.9	92.2	89.4	94.0	84.5	92.1	89.8	97.4	83.9
Midwest	16.2	15.6	25.1	17.0	8.9	14.4	8.9	17.9	14.6	12.9	16.4	20.3	14.1

Table 9-1. Science and engineering research doctorate recipients, postgraduation plans by sex and broad field of doctorate: 2025

(Number and percent)

Characteristic	All fields	Science and engineering											
		Total	Agricultural sciences and natural resources	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric, and ocean sciences	Health sciences	Mathematics and statistics	Multidisciplinary/interdisciplinary sciences	Physical sciences	Psychology	Social sciences
Northeast	20.8	21.3	11.5	26.4	19.8	18.2	17.3	19.2	22.4	23.6	22.3	22.6	21.0
South	28.6	26.7	33.3	26.3	19.0	26.9	25.9	36.3	24.3	22.5	22.1	29.3	29.2
West	25.4	27.6	20.6	25.0	43.8	32.1	36.9	19.9	22.7	32.3	28.3	24.7	19.2
Outside the United States	8.4	8.2	8.7	4.9	8.1	7.7	10.6	6.0	15.2	7.7	10.1	2.5	15.9
Location unknown	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.1	0.2	0.2	0.1	0.1	0.1
Postgraduation location in same state as doctorate institution (%)	40.8	39.7	49.3	50.7	32.0	40.8	39.7	50.9	26.0	35.6	33.0	35.7	31.0
Male doctorate recipients reporting postgraduation status (number)	27,015	22,978	551	3,977	1,908	6,928	571	752	1,302	959	3,170	780	2,080
Definite postdoctoral training plans (%)	27.3	30.1	34.8	42.4	15.5	24.0	46.4	27.8	33.2	19.5	39.6	37.6	21.0
Definite employment plans (%)	40.5	37.4	36.8	17.8	59.2	42.8	26.1	42.0	35.4	51.3	25.1	37.4	52.1
Seeking employment or study (%)	29.3	29.5	26.1	32.5	23.1	31.1	26.1	26.7	29.4	27.3	33.8	23.1	24.5
Other status (%) ^a	2.9	2.9	2.2	7.1	2.2	2.1	1.4	3.5	1.9	1.9	1.5	1.8	2.3
Definite postdoctoral training plans (%) ^b													
Postdoc fellowship or research associateship	95.4	95.4	96.4	94.3	92.2	96.3	98.1	80.9	97.7	96.8	98.8	85.3	97.2
Other training or unknown ^c	4.6	4.6	3.6	5.7	7.8	3.7	1.9	19.1	2.3	3.2	1.2	14.7	2.8
Definite employment plans (%) ^d													
Academe	35.5	27.7	D	34.5	23.3	14.4	28.2	43.4	D	25.2	17.5	40.1	57.2
In tenure track faculty position	46.9	46.1	D	26.2	65.4	45.1	40.5	46.7	D	46.8	25.2	36.8	56.0
Not in tenure track position	48.6	48.9	52.8	70.9	30.8	45.8	54.8	50.4	57.1	45.2	69.8	61.5	40.0
Government	7.5	8.0	12.3	8.8	4.3	7.0	20.1	11.7	4.6	5.9	4.9	13.7	13.4
Industry or business ^e	47.9	58.0	36.9	48.2	69.4	73.9	46.3	29.1	52.5	64.4	72.2	32.2	19.1
Nonprofit organization	5.2	4.2	D	6.2	1.4	3.1	4.0	11.7	D	2.2	3.1	8.6	7.5
Other or unknown ^f	3.9	2.1	2.0	2.4	1.6	1.5	1.3	4.1	1.3	2.2	2.3	5.5	2.9
Primary activity ^g													
Research and development	50.4	58.4	54.2	61.5	70.0	62.1	46.9	39.5	46.2	69.3	68.7	25.8	43.5
Teaching	22.0	15.5	19.4	14.8	12.9	6.8	D	25.3	D	14.2	12.7	26.5	31.9
Management or administration	7.3	4.2	6.5	6.7	2.4	3.2	D	10.5	D	2.7	2.1	5.7	7.7
Professional services and other	20.2	21.9	19.9	17.0	14.7	27.8	30.8	24.7	22.3	13.8	16.5	41.9	16.9
Secondary activity ^g													
Research and development	23.8	21.9	27.4	19.5	19.4	20.2	30.8	28.0	30.4	17.5	14.0	24.4	30.4
Teaching	13.1	9.8	15.4	7.6	10.3	6.0	4.2	17.8	7.4	8.1	1.5	15.4	24.9

Table 9-1. Science and engineering research doctorate recipients, postgraduation plans by sex and broad field of doctorate: 2025

(Number and percent)

[illegible]

Table 9-1. Science and engineering research doctorate recipients, postgraduation plans by sex and broad field of doctorate: 2025

(Number and percent)

Characteristic	All fields	Science and engineering											
		Total	Agricultural sciences and natural resources	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric, and ocean sciences	Health sciences	Mathematics and statistics	Multidisciplinary/ interdisciplinary sciences	Physical sciences	Psychology	Social sciences
Research and development	34.0	43.0	44.0	48.8	63.3	54.9	51.9	24.2	38.9	53.8	62.0	22.9	38.2
Teaching	30.9	23.2	25.4	17.3	22.7	9.8	D	34.8	D	19.8	15.1	24.4	30.8
Management or administration	13.5	7.9	11.0	8.4	2.3	2.2	D	13.9	D	9.1	3.1	8.6	12.0
Professional services and other	21.7	25.9	19.6	25.5	11.7	33.0	21.7	27.0	19.4	17.4	19.7	44.1	19.0
Secondary activity ^g													
Research and development	26.1	25.0	26.3	20.3	24.5	20.3	31.0	35.0	30.6	18.6	16.8	24.0	29.2
Teaching	15.2	11.6	11.0	6.6	11.4	7.7	7.0	13.8	5.6	13.4	3.7	13.9	21.0
Management or administration	11.3	12.3	19.1	14.1	3.8	11.9	14.7	15.9	6.0	7.1	14.9	13.2	10.2
Professional services and other	11.0	12.4	12.9	11.5	17.2	16.5	13.2	10.9	12.0	19.8	7.9	10.7	10.4
No secondary activity	36.4	38.7	30.6	47.5	43.1	43.7	34.1	24.4	45.8	41.1	56.6	38.1	29.1
Activity unknown	2.8	2.8	2.3	2.5	2.3	3.5	3.7	3.1	2.7	2.3	1.8	2.8	2.7
Postgraduation location (%) ^h													
United States ⁱ	93.3	93.4	91.9	95.3	92.3	94.3	92.5	94.2	87.8	92.4	91.2	97.7	87.6
Midwest	17.2	16.7	23.3	17.0	10.3	14.9	7.2	17.8	15.7	14.7	16.7	20.6	15.7
Northeast	21.5	22.2	13.3	25.5	19.3	20.6	19.9	19.4	21.7	25.1	23.0	23.0	21.2
South	30.4	28.3	32.5	26.3	22.5	28.2	27.4	37.9	26.9	23.9	22.0	29.1	29.8
West	23.6	25.6	21.9	26.0	39.8	29.8	37.4	18.6	22.4	27.5	28.5	24.4	20.3
Outside the United States	6.6	6.4	8.1	4.5	7.7	5.6	7.5	5.7	12.2	7.3	8.7	2.2	12.2
Location unknown	0.1	0.1	0.0	0.2	0.0	0.1	0.0	0.1	0.0	0.2	0.1	0.2	0.2
Postgraduation location in same state as doctorate institution (%)	44.1	42.0	48.0	51.5	34.7	43.0	40.2	53.0	25.2	37.9	33.0	36.4	33.5

* = value between 0.00% and 0.05%; D = suppressed to avoid disclosure of confidential information.

^a Other status includes doctorate recipients reporting: no plans to work or study, some other type of postgraduation plans, or definite plans for other full-time degree program.

^b Definite postdoctoral training plans excludes doctorate recipients reporting plans for other full-time degree program. Percentages are based on the number of doctorate recipients reporting definite postdoctoral plans for study.

^c Other training includes doctorate recipients who reported definite postdoctoral plans for traineeship, internship or clinical residency, or other study.

^d Percentages are based on the number of doctorate recipients reporting definite postgraduation plans for employment.

^e Industry or business includes doctorate recipients reporting self-employment.

^f Other is mainly composed of elementary and secondary schools.

^g Percentages are based on the number of doctorate recipients reporting definite postgraduation plans for employment and primary or secondary work activity.

^h Percentages are based on the number of doctorate recipients reporting definite postgraduation plans and type of plans.

ⁱ United States includes doctorate recipients with an unknown U.S. region of employment after doctorate; thus, the percentages by regions will not sum to the value for United States. See the "[Technical Notes](#)" for states or territories included in regions.

Note(s):

A definite postgraduation commitment includes accepting new employment or a postdoctoral study (postdoc) position or returning to predoctoral employment, while postgraduation employment includes accepting new employment or returning to predoctoral employment that is not a postdoctoral study (postdoc) position. Due to rounding, percentages may not sum to 100. The survey data collection for the field of study changed in 2021, which may affect the data comparisons across years. This table uses the new field taxonomy based on a modified version of the 2020 Classification of Instructional Programs (CIP) codes and does not match data that uses the trend field taxonomy. 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.

Table 9-2. Non-science and engineering research doctorate recipients, postgraduation plans by sex and broad field of doctorate: 2025

(Number and percent)

Characteristic	All fields	Non-science and engineering					
		Total	Business	Education	Humanities	Visual and performing arts	Other non-science and engineering
Doctorate recipients reporting postgraduation status (number)	52,607	10,188	1,125	3,522	2,931	692	1,918
Definite postdoctoral training plans (%)	27.0	10.2	5.7	5.8	15.3	11.3	12.7
Definite employment plans (%)	40.1	58.7	75.1	66.7	46.8	48.8	56.0
Seeking employment or study (%)	29.7	27.9	17.0	24.8	33.8	38.2	27.1
Other status (%) ^a	3.1	3.2	2.2	2.7	4.0	1.7	4.1
Definite postdoctoral training plans (%) ^b							
Postdoc fellowship or research associateship	95.0	95.5	96.9	94.6	95.5	98.7	94.7
Other training or unknown ^c	5.0	4.5	3.1	5.4	4.5	1.3	5.3
Definite employment plans (%) ^d							
Academe	41.2	62.4	76.2	52.6	68.1	67.2	64.2
In tenure track faculty position	42.4	43.0	82.6	27.2	31.9	32.6	52.9
Not in tenure track position	53.3	53.7	15.4	69.1	64.5	63.9	43.9
Government	7.4	5.2	D	4.2	4.3	D	11.0
Industry or business ^e	38.8	9.8	14.1	7.8	8.5	9.5	12.3
Nonprofit organization	6.7	8.7	D	7.4	12.9	D	8.3
Other or unknown ^f	5.9	14.0	2.6	28.0	6.2	7.4	4.3
Primary activity ^g							
Research and development	42.5	19.0	50.3	11.0	9.9	10.7	26.0
Teaching	26.3	45.3	30.6	39.5	62.6	62.6	41.7
Management or administration	10.3	21.7	8.7	36.2	13.0	10.7	15.2
Professional services and other	20.9	14.0	10.3	13.3	14.5	16.0	17.1
Secondary activity ^g							
Research and development	24.9	29.1	29.8	22.8	35.3	31.3	33.5
Teaching	14.1	22.9	47.8	18.8	15.2	12.6	25.6
Management or administration	11.2	10.2	5.7	10.8	11.4	12.6	10.2
Professional services and other	13.0	8.3	4.7	10.4	6.3	9.2	8.6
No secondary activity	36.8	29.5	12.0	37.2	31.8	34.4	22.1
Activity unknown	2.8	3.0	2.6	3.2	2.6	3.6	3.2
Postgraduation location (%) ^h							
United States ⁱ	91.5	91.0	86.5	94.7	89.9	89.2	89.2
Midwest	16.2	18.8	16.4	18.3	20.4	17.1	19.9
Northeast	20.8	18.8	17.5	16.7	22.4	26.4	16.5
South	28.6	36.3	35.3	42.0	30.9	26.0	36.5
West	25.4	16.5	16.3	17.1	15.8	19.2	15.6
Outside the United States	8.4	8.8	13.3	5.3	9.9	10.8	10.5
Location unknown	0.1	0.1	0.2	0.1	0.1	0.0	0.2

Table 9-2. Non-science and engineering research doctorate recipients, postgraduation plans by sex and broad field of doctorate: 2025

(Number and percent)

Characteristic	All fields	Non-science and engineering					
		Total	Business	Education	Humanities	Visual and performing arts	Other non-science and engineering
Postgraduation location in same state as doctorate institution (%)	40.8	45.6	20.0	63.3	39.6	46.6	36.8
Male doctorate recipients reporting postgraduation status (number)	27,015	4,037	641	930	1,431	301	734
Definite postdoctoral training plans (%)	27.3	11.4	6.2	5.9	17.1	9.6	12.3
Definite employment plans (%)	40.5	58.0	74.4	68.8	45.6	47.8	58.4
Seeking employment or study (%)	29.3	27.7	17.5	22.7	34.0	41.5	25.3
Other status (%) ^a	2.9	2.8	1.9	2.5	3.4	1.0	4.0
Definite postdoctoral training plans (%) ^b							
Postdoc fellowship or research associateship	95.4	95.9	97.5	96.4	95.5	D	94.4
Other training or unknown ^c	4.6	4.1	2.5	3.6	4.5	D	5.6
Definite employment plans (%) ^d							
Academe	35.5	64.0	76.3	55.5	61.8	69.4	64.8
In tenure track faculty position	46.9	48.2	84.9	30.7	31.3	31.0	53.2
Not in tenure track position	48.6	48.3	13.2	65.1	64.5	65.0	43.2
Government	7.5	5.7	D	4.7	4.9	D	11.7
Industry or business ^e	47.9	10.9	14.3	8.0	9.0	10.4	14.5
Nonprofit organization	5.2	8.9	D	7.0	17.3	D	5.4
Other or unknown ^f	3.9	10.4	2.5	24.8	6.9	8.3	3.7
Primary activity ^g							
Research and development	50.4	20.9	50.5	11.5	8.5	7.9	24.9
Teaching	22.0	46.2	30.5	38.5	62.9	64.7	43.6
Management or administration	7.3	18.9	6.9	39.4	12.2	12.2	14.3
Professional services and other	20.2	14.0	12.1	10.6	16.4	15.1	17.2
Secondary activity ^g							
Research and development	23.8	30.6	31.5	24.4	34.4	26.6	34.4
Teaching	13.1	25.1	47.3	18.5	17.1	12.2	26.6
Management or administration	11.2	11.4	6.3	12.1	12.8	17.3	11.9
Professional services and other	14.9	8.0	4.8	11.6	6.2	10.1	8.2
No secondary activity	37.1	25.0	10.2	33.4	29.5	33.8	18.9
Activity unknown	2.9	3.2	2.9	3.1	2.9	3.5	3.7
Postgraduation location (%) ^h							
United States ⁱ	89.9	88.4	85.3	92.5	88.0	87.9	86.7
Midwest	15.4	19.3	16.1	19.4	20.8	21.4	18.9
Northeast	20.2	18.0	18.8	15.5	20.4	20.8	15.6
South	26.9	35.5	34.8	40.9	31.9	26.6	38.0
West	27.0	14.9	14.7	15.5	14.4	18.5	13.9
Outside the United States	10.0	11.5	14.5	7.3	11.9	12.1	13.3

Table 9-2. Non-science and engineering research doctorate recipients, postgraduation plans by sex and broad field of doctorate: 2025

(Number and percent)

Characteristic	All fields	Non-science and engineering					
		Total	Business	Education	Humanities	Visual and performing arts	Other non-science and engineering
Location unknown	0.1	0.1	0.2	0.1	0.1	0.0	0.0
Postgraduation location in same state as doctorate institution (%)	37.8	38.4	17.2	58.6	36.7	44.5	33.5
Female doctorate recipients reporting postgraduation status (number)	25,592	6,151	484	2,592	1,500	391	1,184
Definite postdoctoral training plans (%)	26.8	9.4	5.0	5.7	13.6	12.5	12.9
Definite employment plans (%)	39.6	59.1	76.0	65.9	47.9	49.6	54.6
Seeking employment or study (%)	30.1	28.0	16.3	25.6	33.7	35.5	28.2
Other status (%) ^a	3.4	3.5	2.7	2.7	4.7	2.3	4.2
Definite postdoctoral training plans (%) ^b							
Postdoc fellowship or research associateship	94.6	95.2	95.8	93.9	95.6	98.0	94.8
Other training or unknown ^c	5.4	4.8	4.2	6.1	4.4	2.0	5.2
Definite employment plans (%) ^d							
Academe	47.4	61.3	76.1	51.6	73.7	65.5	63.8
In tenure track faculty position	38.8	39.6	79.6	25.8	32.5	33.9	52.7
Not in tenure track position	57.1	57.4	18.2	70.7	64.5	63.0	44.4
Government	7.2	4.9	3.5	4.0	3.8	0.0	10.5
Industry or business ^e	29.1	9.0	13.9	7.7	8.1	8.8	10.8
Nonprofit organization	8.4	8.5	3.8	7.5	8.9	19.1	10.2
Other or unknown ^f	8.0	16.3	2.7	29.1	5.6	6.7	4.6
Primary activity ^g							
Research and development	34.0	17.8	50.0	10.8	11.1	12.8	26.8
Teaching	30.9	44.6	30.8	39.9	62.4	61.0	40.4
Management or administration	13.5	23.6	11.1	35.0	13.7	9.6	15.8
Professional services and other	21.7	14.0	8.1	14.3	12.8	16.6	17.0
Secondary activity ^g							
Research and development	26.1	28.1	27.5	22.3	36.0	34.8	33.0
Teaching	15.2	21.6	48.3	18.9	13.5	12.8	24.8
Management or administration	11.3	9.5	5.0	10.3	10.1	9.1	9.1
Professional services and other	11.0	8.4	4.7	9.9	6.4	8.6	8.9
No secondary activity	36.4	32.4	14.4	38.6	33.9	34.8	24.2
Activity unknown	2.8	2.9	2.2	3.3	2.4	3.6	2.8
Postgraduation location (%) ^h							
United States ⁱ	93.3	92.8	88.0	95.5	91.9	90.1	90.9
Midwest	17.2	18.5	16.8	17.9	19.9	14.0	20.5
Northeast	21.5	19.4	15.8	17.1	24.4	30.5	17.1
South	30.4	36.8	36.0	42.4	30.0	25.5	35.5
West	23.6	17.6	18.4	17.7	17.2	19.8	16.8

Table 9-2. Non-science and engineering research doctorate recipients, postgraduation plans by sex and broad field of doctorate: 2025

(Number and percent)

Characteristic	All fields	Non-science and engineering					
		Total	Business	Education	Humanities	Visual and performing arts	Other non-science and engineering
Outside the United States	6.6	7.0	11.7	4.5	8.0	9.9	8.8
Location unknown	0.1	0.1	0.3	0.1	0.1	0.0	0.4
Postgraduation location in same state as doctorate institution (%)	44.1	50.4	23.7	65.1	42.5	48.1	38.9

D = suppressed to avoid disclosure of confidential information.

^a Other status includes doctorate recipients reporting: no plans to work or study, some other type of postgraduation plans, or definite plans for other full-time degree program.

^b Definite postdoctoral training plans excludes doctorate recipients reporting plans for other full-time degree program. Percentages are based on the number of doctorate recipients reporting definite postdoctoral plans for study.

^c Other training includes doctorate recipients who reported definite postdoctoral plans for traineeship, internship or clinical residency, or other study.

^d Percentages are based on the number of doctorate recipients reporting definite postgraduation plans for employment.

^e Industry or business includes doctorate recipients reporting self-employment.

^f Other is mainly composed of elementary and secondary schools.

^g Percentages are based on the number of doctorate recipients reporting definite postgraduation plans for employment and primary or secondary work activity.

^h Percentages are based on the number of doctorate recipients reporting definite postgraduation plans and type of plans.

ⁱ United States includes doctorate recipients with an unknown U.S. region of employment after doctorate; thus, the percentages by regions will not sum to the value for United States. See the "[Technical Notes](#)" for states or territories included in regions.

Note(s):
A definite postgraduation commitment includes accepting new employment or a postdoctoral study (postdoc) position or returning to predoctoral employment, while postgraduation employment includes accepting new employment or returning to predoctoral employment that is not a postdoctoral study (postdoc) position. Due to rounding, percentages may not sum to 100. The survey data collection for the field of study changed in 2021, which may affect the data comparisons across years. This table uses the new field taxonomy based on a modified version of the 2020 Classification of Instructional Programs (CIP) codes and does not match data that uses the trend field taxonomy. 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.

Table 9-3. Agricultural sciences and natural resources research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2025

(Number and percent)

Characteristic	All agricultural sciences and natural resources fields	Agricultural, animal, plant, and veterinary sciences	Natural resources and conservation
Doctorate recipients reporting postgraduation status (number)	1,192	788	404
Definite postdoctoral training plans (%)	33.5	33.8	32.9
Definite employment plans (%)	35.0	34.5	35.9
Seeking employment or study (%)	29.2	29.3	29.0
Other status (%) ^a	2.2	2.3	2.0
Definite postdoctoral training plans (%) ^b			
Postdoc fellowship or research associateship	96.0	95.1	97.7
Other training or unknown ^c	4.0	4.9	2.3
Definite employment plans (%) ^d			
Academe	42.4	46.0	35.9
In tenure track faculty position	40.1	43.2	32.7
Not in tenure track position	57.1	55.2	61.5
Government	12.9	4.8	28.3
Industry or business ^e	34.3	41.2	21.4
Nonprofit organization	7.7	4.4	13.8
Other or unknown ^f	2.6	3.7	0.7
Primary activity ^g			
Research and development	49.0	51.5	44.4
Teaching	22.4	25.0	17.6
Management or administration	8.8	7.1	12.0
Professional services and other	19.8	16.4	26.1
Secondary activity ^g			
Research and development	26.8	26.9	26.8
Teaching	13.2	16.4	7.0
Management or administration	18.8	16.4	23.2
Professional services and other	10.7	10.1	12.0
No secondary activity	30.5	30.2	31.0
Activity unknown	1.7	1.5	2.1
Postgraduation location (%) ^h			
United States ⁱ	91.3	90.5	92.8
Midwest	25.1	30.1	15.5
Northeast	11.5	10.0	14.4
South	33.3	34.6	30.9
West	20.6	15.2	30.9
Outside the United States	8.7	9.5	7.2
Location unknown	0.0	0.0	0.0
Postgraduation location in same state as doctorate institution (%)	49.3	49.3	49.3
Male doctorate recipients reporting postgraduation status (number)	551	383	168
Definite postdoctoral training plans (%)	34.8	35.5	33.3
Definite employment plans (%)	36.8	35.8	39.3
Seeking employment or study (%)	26.1	26.9	24.4
Other status (%) ^a	2.2	1.8	3.0
Definite postdoctoral training plans (%) ^b			
Postdoc fellowship or research associateship	96.4	96.3	96.4
Other training or unknown ^c	3.6	3.7	3.6

Table 9-3. Agricultural sciences and natural resources research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2025

(Number and percent)

Characteristic	All agricultural sciences and natural resources fields	Agricultural, animal, plant, and veterinary sciences	Natural resources and conservation
Definite employment plans (%) ^d			
Academe	D	43.1	D
In tenure track faculty position	D	49.2	D
Not in tenure track position	52.8	50.8	56.7
Government	12.3	5.8	25.8
Industry or business ^e	36.9	43.8	22.7
Nonprofit organization	D	4.4	D
Other or unknown ^f	2.0	2.9	0.0
Primary activity ^g			
Research and development	54.2	60.3	41.5
Teaching	19.4	17.6	23.1
Management or administration	6.5	5.1	9.2
Professional services and other	19.9	16.9	26.2
Secondary activity ^g			
Research and development	27.4	26.5	29.2
Teaching	15.4	19.1	7.7
Management or administration	18.4	16.9	21.5
Professional services and other	8.5	5.9	13.8
No secondary activity	30.3	31.6	27.7
Activity unknown	1.0	0.7	1.5
Postgraduation location (%) ^h			
United States ⁱ	90.6	90.1	91.8
Midwest	27.1	30.0	20.5
Northeast	9.6	9.2	10.7
South	34.2	33.3	36.1
West	19.2	16.8	24.6
Outside the United States	9.4	9.9	8.2
Location unknown	0.0	0.0	0.0
Postgraduation location in same state as doctorate institution (%)	50.6	50.5	50.8
Female doctorate recipients reporting postgraduation status (number)	641	405	236
Definite postdoctoral training plans (%)	32.3	32.1	32.6
Definite employment plans (%)	33.4	33.3	33.5
Seeking employment or study (%)	31.8	31.6	32.2
Other status (%) ^a	2.2	2.7	1.3
Definite postdoctoral training plans (%) ^b			
Postdoc fellowship or research associateship	95.7	93.8	98.7
Other training or unknown ^c	4.3	6.2	1.3
Definite employment plans (%) ^d			
Academe	D	48.9	D
In tenure track faculty position	D	37.9	D
Not in tenure track position	61.4	59.1	68.2
Government	13.6	3.7	30.4
Industry or business ^e	31.8	38.5	20.3
Nonprofit organization	D	4.4	D
Other or unknown ^f	3.3	4.4	1.3
Primary activity ^g			
Research and development	44.0	42.4	46.8

Table 9-3. Agricultural sciences and natural resources research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2025

(Number and percent)

Characteristic	All agricultural sciences and natural resources fields	Agricultural, animal, plant, and veterinary sciences	Natural resources and conservation
Teaching	25.4	32.6	13.0
Management or administration	11.0	9.1	14.3
Professional services and other	19.6	15.9	26.0
Secondary activity ^g			
Research and development	26.3	27.3	24.7
Teaching	11.0	13.6	6.5
Management or administration	19.1	15.9	24.7
Professional services and other	12.9	14.4	10.4
No secondary activity	30.6	28.8	33.8
Activity unknown	2.3	2.2	2.5
Postgraduation location (%) ^h			
United States ⁱ	91.9	90.9	93.6
Midwest	23.3	30.2	11.5
Northeast	13.3	10.9	17.3
South	32.5	35.8	26.9
West	21.9	13.6	35.9
Outside the United States	8.1	9.1	6.4
Location unknown	0.0	0.0	0.0
Postgraduation location in same state as doctorate institution (%)	48.0	47.9	48.1

D = suppressed to avoid disclosure of confidential information.

^a Other status includes doctorate recipients reporting: no plans to work or study, some other type of postgraduation plans, or definite plans for other full-time degree program.^b Definite postdoctoral training plans excludes doctorate recipients reporting plans for other full-time degree program. Percentages are based on the number of doctorate recipients reporting definite postdoctoral plans for study.^c Other training includes doctorate recipients who reported definite postdoctoral plans for traineeship, internship or clinical residency, or other study.^d Percentages are based on the number of doctorate recipients reporting definite postgraduation plans for employment.^e Industry or business includes doctorate recipients reporting self-employment.^f Other is mainly composed of elementary and secondary schools.^g Percentages are based on the number of doctorate recipients reporting definite postgraduation plans for employment and primary or secondary work activity.^h Percentages are based on the number of doctorate recipients reporting definite postgraduation plans and type of plans.ⁱ United States includes doctorate recipients with an unknown U.S. region of employment after doctorate; thus, the percentages by regions will not sum to the value for United States. See the "Technical Notes" for states or territories included in regions.**Note(s):**

A definite postgraduation commitment includes accepting new employment or a postdoctoral study (postdoc) position or returning to predoctoral employment, while postgraduation employment includes accepting new employment or returning to predoctoral employment that is not a postdoctoral study (postdoc) position. Due to rounding, percentages may not sum to 100. The survey data collection for the field of study changed in 2021, which may affect the data comparisons across years. This table uses the new field taxonomy based on a modified version of the 2020 Classification of Instructional Programs (CIP) codes and does not match data that uses the trend field taxonomy. 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.

Table 9-4. Biological and biomedical sciences research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2025

(Number and percent)

Characteristic	All biological and biomedical sciences fields	Biochemistry, biophysics, and molecular biology	Bioinformatics, biostatistics, and computational biology	Biological and biomedical sciences, general	Cell/ cellular biology and anatomy	Ecology, evolutionary biology, and epidemiology	Genetics and genomics	Microbiology and immunology	Neurobiology and neurosciences	Pharmacology and toxicology	Physiology, oncology, and cancer biology	Biological and biomedical sciences, other
Doctorate recipients reporting postgraduation status (number)	9,194	1,415	684	805	730	1,025	451	1,082	1,268	355	789	590
Definite postdoctoral training plans (%)	41.0	41.9	30.1	39.9	39.6	45.1	38.4	39.9	46.1	41.1	41.4	40.0
Definite employment plans (%)	18.4	15.3	35.8	15.3	14.2	22.5	16.6	14.0	14.0	20.3	20.7	22.5
Seeking employment or study (%)	34.1	37.3	30.0	39.0	38.4	29.8	37.5	37.4	30.3	33.5	28.3	34.4
Other status (%) ^a	6.3	5.3	4.1	5.2	7.5	2.5	7.3	8.7	9.4	5.1	9.6	2.7
Definite postdoctoral training plans (%) ^b												
Postdoc fellowship or research associateship	95.6	97.0	95.6	96.3	94.5	98.5	94.2	93.8	95.6	94.5	92.0	97.5
Other training or unknown ^c	4.4	3.0	4.4	3.7	5.5	1.5	5.8	6.3	4.4	5.5	8.0	2.5
Definite employment plans (%) ^d												
Academe	36.1	25.0	26.5	43.1	45.2	42.4	32.0	41.1	31.1	26.4	50.3	38.3
In tenure track faculty position	22.0	D	27.7	11.3	25.5	16.3	20.8	14.5	14.5	D	43.9	27.5
Not in tenure track position	74.3	D	67.7	84.9	70.2	81.6	75.0	83.9	83.6	D	52.4	70.6
Government	8.0	D	4.1	6.5	D	22.5	D	10.6	4.0	8.3	D	15.8
Industry or business ^e	46.8	62.5	61.2	39.0	42.3	21.6	57.3	43.0	55.9	65.3	41.1	32.3
Nonprofit organization	6.9	D	7.3	7.3	D	10.8	D	4.0	6.2	0.0	D	9.8
Other or unknown ^f	2.2	3.2	0.8	4.1	1.0	2.6	2.7	1.3	2.8	0.0	1.8	3.8
Primary activity ^g												
Research and development	54.1	65.4	77.4	44.8	43.7	48.2	58.9	56.4	47.4	43.7	43.9	40.9
Teaching	16.3	15.2	D	19.0	26.2	19.7	D	15.4	14.6	8.5	26.8	22.8
Management or administration	7.7	3.3	D	16.4	10.7	10.5	D	6.0	6.4	12.7	7.0	15.0
Professional services and other	21.9	16.1	18.0	19.8	19.4	21.5	24.7	22.1	31.6	35.2	22.3	21.3
Secondary activity ^g												
Research and development	19.9	12.8	14.2	21.6	19.4	29.8	12.3	13.4	21.1	16.9	29.9	23.6
Teaching	7.0	3.8	9.6	7.8	6.8	7.0	9.6	8.1	D	D	7.6	11.8

Table 9-4. Biological and biomedical sciences research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2025

(Number and percent)

Characteristic	All biological and biomedical sciences fields	Biochemistry, biophysics, and molecular biology	Bioinformatics, biostatistics, and computational biology	Biological and biomedical sciences, general	Cell/ cellular biology and anatomy	Ecology, evolutionary biology, and epidemiology	Genetics and genomics	Microbiology and immunology	Neurobiology and neurosciences	Pharmacology and toxicology	Physiology, oncology, and cancer biology	Biological and biomedical sciences, other
Management or administration	15.4	19.9	9.6	15.5	14.6	15.8	15.1	20.8	12.9	12.7	14.6	18.1
Professional services and other	12.7	11.4	17.6	7.8	10.7	11.0	12.3	12.1	D	D	14.0	8.7
No secondary activity	45.0	52.1	49.0	47.4	48.5	36.4	50.7	45.6	43.9	62.0	33.8	37.8
Activity unknown	2.7	2.3	2.4	5.7	1.0	1.3	2.7	1.3	3.4	1.4	3.7	4.5
Postgraduation location (%) ^h												
United States ⁱ	95.0	95.7	96.0	95.9	95.9	92.8	93.5	95.4	95.4	98.2	96.1	90.8
Midwest	17.0	16.9	16.4	14.4	17.3	16.2	16.9	19.7	14.4	22.5	21.0	14.4
Northeast	26.4	28.7	30.2	27.0	32.3	20.9	25.0	26.8	31.9	24.8	21.2	16.3
South	26.3	23.0	20.2	31.8	25.2	26.3	28.6	27.3	22.6	28.9	31.2	31.7
West	25.0	26.8	28.8	22.5	20.4	29.1	23.0	21.1	25.9	21.6	22.0	28.2
Outside the United States	4.9	D	3.8	3.8	4.1	7.1	6.5	4.6	4.5	D	3.9	9.2
Location unknown	0.1	D	0.2	0.2	0.0	0.1	0.0	0.0	0.1	D	0.0	0.0
Postgraduation location in same state as doctorate institution (%)	50.7	51.8	49.0	54.7	53.2	44.2	53.2	51.1	51.2	54.6	50.0	50.9
Male doctorate recipients reporting postgraduation status (number)	3,977	735	371	323	276	376	176	438	522	127	377	256
Definite postdoctoral training plans (%)	42.4	43.0	30.7	44.6	41.7	45.2	39.2	40.6	50.2	37.8	43.8	41.4
Definite employment plans (%)	17.8	14.0	36.1	9.9	11.2	23.4	15.3	12.3	11.7	20.5	23.3	25.0
Seeking employment or study (%)	32.5	36.9	28.8	36.8	38.8	29.0	35.8	37.2	27.6	33.1	22.8	31.3
Other status (%) ^a	7.1	5.9	4.3	7.4	8.0	2.4	9.7	9.8	10.5	8.7	10.1	2.0
Definite postdoctoral training plans (%) ^b												
Postdoc fellowship or research associateship	94.3	95.9	93.9	94.4	93.0	98.2	97.1	92.7	94.7	89.6	87.3	97.2
Other training or unknown ^c	5.7	4.1	6.1	5.6	7.0	1.8	2.9	7.3	5.3	10.4	12.7	2.8
Definite employment plans (%) ^d												
Academe	34.5	23.3	28.4	25.0	D	44.3	D	D	24.6	D	D	32.8
In tenure track faculty position	26.2	D	28.9	D	D	23.1	D	D	D	D	D	23.8

Table 9-4. Biological and biomedical sciences research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2025

(Number and percent)

Characteristic	All biological and biomedical sciences fields	Biochemistry, biophysics, and molecular biology	Bioinformatics, biostatistics, and computational biology	Biological and biomedical sciences, general	Cell/ cellular biology and anatomy	Ecology, evolutionary biology, and epidemiology	Genetics and genomics	Microbiology and immunology	Neurobiology and neurosciences	Pharmacology and toxicology	Physiology, oncology, and cancer biology	Biological and biomedical sciences, other
Not in tenure track position	70.9	D	65.8	D	66.7	74.4	80.0	85.7	D	D	53.7	71.4
Government	8.8	D	3.7	D	0.0	28.4	D	9.3	D	D	D	18.8
Industry or business ^e	48.2	62.1	59.0	50.0	41.9	13.6	51.9	37.0	63.9	76.9	47.7	34.4
Nonprofit organization	6.2	D	8.2	D	D	10.2	D	D	D	0.0	D	10.9
Other or unknown ^f	2.4	4.9	0.7	6.3	3.2	3.4	3.7	0.0	1.6	0.0	1.1	3.1
Primary activity ^g												
Research and development	61.5	76.0	D	48.3	46.7	50.6	D	D	62.1	D	51.2	45.0
Teaching	14.8	13.0	4.5	17.2	33.3	19.5	D	16.7	D	0.0	25.6	16.7
Management or administration	6.7	D	D	17.2	D	10.3	0.0	D	D	D	5.8	20.0
Professional services and other	17.0	D	13.6	17.2	D	19.5	19.2	20.4	24.1	30.8	17.4	18.3
Secondary activity ^g												
Research and development	19.5	D	13.6	27.6	20.0	27.6	D	18.5	19.0	D	D	25.0
Teaching	7.6	D	10.6	D	0.0	6.9	D	13.0	D	D	7.0	11.7
Management or administration	17.2	20.0	12.1	D	D	20.7	19.2	20.4	17.2	D	16.3	21.7
Professional services and other	14.4	13.0	18.9	D	D	10.3	D	13.0	D	D	D	8.3
No secondary activity	41.4	48.0	44.7	48.3	56.7	34.5	61.5	35.2	37.9	61.5	27.9	33.3
Activity unknown	2.8	2.9	1.5	9.4	3.2	1.1	3.7	0.0	4.9	0.0	2.3	6.3
Postgraduation location (%) ^h												
United States ⁱ	94.7	95.5	96.4	D	94.5	91.9	91.7	96.1	92.6	100.0	D	86.5
Midwest	17.0	16.0	17.7	20.5	18.5	17.1	20.8	19.0	11.1	23.0	19.8	12.4
Northeast	27.4	30.8	29.0	D	34.2	22.9	22.9	28.4	34.4	29.7	D	13.5
South	26.2	23.4	22.6	31.8	24.7	24.4	27.1	25.4	21.4	29.7	32.8	34.7
West	23.7	25.1	26.6	19.3	15.1	26.7	20.8	23.3	25.4	17.6	22.9	25.9
Outside the United States	5.3	4.5	3.6	D	5.5	8.1	8.3	3.9	7.1	0.0	D	13.5
Location unknown	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0
Postgraduation location in same state as doctorate institution (%)	49.8	50.6	50.4	57.4	53.4	40.3	52.1	50.0	49.5	56.8	47.8	48.8

Table 9-4. Biological and biomedical sciences research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2025

(Number and percent)

Characteristic	All biological and biomedical sciences fields	Biochemistry, biophysics, and molecular biology	Bioinformatics, biostatistics, and computational biology	Biological and biomedical sciences, general	Cell/ cellular biology and anatomy	Ecology, evolutionary biology, and epidemiology	Genetics and genomics	Microbiology and immunology	Neurobiology and neurosciences	Pharmacology and toxicology	Physiology, oncology, and cancer biology	Biological and biomedical sciences, other
Female doctorate recipients reporting postgraduation status (number)	5,217	680	313	482	454	649	275	644	746	228	412	334
Definite postdoctoral training plans (%)	39.9	40.7	29.4	36.7	38.3	45.0	37.8	39.4	43.3	43.0	39.3	38.9
Definite employment plans (%)	18.8	16.6	35.5	18.9	16.1	22.0	17.5	15.1	15.5	20.2	18.2	20.7
Seeking employment or study (%)	35.3	37.8	31.3	40.5	38.1	30.2	38.5	37.6	32.2	33.8	33.3	36.8
Other status (%) ^a	5.7	4.7	3.8	3.7	7.3	2.6	5.8	7.9	8.6	3.1	9.2	3.3
Definite postdoctoral training plans (%) ^b												
Postdoc fellowship or research associateship	96.7	98.2	97.8	97.7	95.4	98.6	92.3	94.5	96.3	96.9	96.9	97.7
Other training or unknown ^c	3.3	1.8	2.2	2.3	4.6	1.4	7.7	5.5	3.7	3.1	3.1	2.3
Definite employment plans (%) ^d												
Academe	37.3	26.5	24.3	49.5	D	41.3	D	D	34.5	D	D	43.5
In tenure track faculty position	19.1	D	25.9	D	D	11.9	D	D	D	D	D	30.0
Not in tenure track position	76.5	D	70.4	D	71.9	86.4	71.4	82.4	D	78.6	51.2	70.0
Government	7.4	D	4.5	D	D	18.9	D	11.3	D	D	0.0	13.0
Industry or business ^e	45.8	62.8	64.0	35.2	42.5	26.6	60.4	46.4	51.7	58.7	33.3	30.4
Nonprofit organization	7.3	D	6.3	D	8.2	11.2	D	D	D	0.0	D	8.7
Other or unknown ^f	2.1	1.8	0.9	3.3	0.0	2.1	2.1	2.1	3.4	0.0	2.7	4.3
Primary activity ^g												
Research and development	48.8	55.9	D	43.7	42.5	46.8	D	D	39.8	D	35.2	37.3
Teaching	17.3	17.1	D	19.5	23.3	19.9	10.6	14.7	D	13.3	28.2	28.4
Management or administration	8.4	D	0.0	16.1	D	10.6	D	D	D	D	8.5	10.4
Professional services and other	25.5	D	23.4	20.7	D	22.7	27.7	23.2	35.4	37.8	28.2	23.9
Secondary activity ^g												
Research and development	20.3	D	15.0	19.5	19.2	31.2	D	10.5	22.1	D	D	22.4

Table 9-4. Biological and biomedical sciences research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2025

(Number and percent)

Characteristic	All biological and biomedical sciences fields	Biochemistry, biophysics, and molecular biology	Bioinformatics, biostatistics, and computational biology	Biological and biomedical sciences, general	Cell/ cellular biology and anatomy	Ecology, evolutionary biology, and epidemiology	Genetics and genomics	Microbiology and immunology	Neurobiology and neurosciences	Pharmacology and toxicology	Physiology, oncology, and cancer biology	Biological and biomedical sciences, other
Teaching	6.6	D	8.4	D	9.6	7.1	D	5.3	D	0.0	8.5	11.9
Management or administration	14.1	19.8	6.5	D	D	12.8	12.8	21.1	10.6	D	12.7	14.9
Professional services and other	11.5	9.9	15.9	D	D	11.3	D	11.6	D	D	D	9.0
No secondary activity	47.5	55.9	54.2	47.1	45.2	37.6	44.7	51.6	46.9	62.2	40.8	41.8
Activity unknown	2.5	1.8	3.6	4.4	0.0	1.4	2.1	2.1	2.6	2.2	5.3	2.9
Postgraduation location (%) ^h												
United States ⁱ	95.3	95.9	95.6	D	96.8	93.3	94.7	94.9	97.5	97.2	D	94.5
Midwest	17.0	17.9	14.8	10.4	16.6	15.6	14.5	20.2	16.9	22.2	22.4	16.1
Northeast	25.5	26.4	31.5	D	31.2	19.8	26.3	25.6	30.1	22.2	D	18.6
South	26.3	22.6	17.2	31.7	25.5	27.4	29.6	28.5	23.5	28.5	29.5	29.1
West	26.0	28.7	31.5	24.6	23.5	30.6	24.3	19.7	26.2	23.6	21.1	30.2
Outside the United States	4.5	D	3.9	D	3.2	6.4	5.3	5.1	2.5	D	D	5.5
Location unknown	0.2	D	0.5	0.4	0.0	0.2	0.0	0.0	0.0	D	0.0	0.0
Postgraduation location in same state as doctorate institution (%)	51.5	53.1	47.3	53.0	53.0	46.4	53.9	51.9	52.4	53.5	52.3	52.8

* = value between 0.00% and 0.05%; D = suppressed to avoid disclosure of confidential information.

^a Other status includes doctorate recipients reporting: no plans to work or study, some other type of postgraduation plans, or definite plans for other full-time degree program.

^b Definite postdoctoral training plans excludes doctorate recipients reporting plans for other full-time degree program. Percentages are based on the number of doctorate recipients reporting definite postdoctoral plans for study.

^c Other training includes doctorate recipients who reported definite postdoctoral plans for traineeship, internship or clinical residency, or other study.

^d Percentages are based on the number of doctorate recipients reporting definite postgraduation plans for employment.

^e Industry or business includes doctorate recipients reporting self-employment.

^f Other is mainly composed of elementary and secondary schools.

^g Percentages are based on the number of doctorate recipients reporting definite postgraduation plans for employment and primary or secondary work activity.

^h Percentages are based on the number of doctorate recipients reporting definite postgraduation plans and type of plans.

ⁱ United States includes doctorate recipients with an unknown U.S. region of employment after doctorate; thus, the percentages by regions will not sum to the value for United States. See the "Technical Notes" for states or territories included in regions.

Note(s):

A definite postgraduation commitment includes accepting new employment or a postdoctoral study (postdoc) position or returning to predoctoral employment, while postgraduation employment includes accepting new employment or returning to predoctoral employment that is not a postdoctoral study (postdoc) position. Due to rounding, percentages may not sum to 100. The survey data collection for the field of study changed in 2021, which may affect the data comparisons across years. This table uses the new field taxonomy based on a modified version of the 2020 Classification of Instructional Programs (CIP) codes and does not match data that uses the trend field taxonomy. 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.

Table 9-5. Computer and information sciences research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2025

(Number and percent)

Characteristic	All computer and information sciences fields	Computer science	Computer and information sciences, other
Doctorate recipients reporting postgraduation status (number)	2,546	1,708	838
Definite postdoctoral training plans (%)	16.2	16.9	14.7
Definite employment plans (%)	58.1	57.4	59.5
Seeking employment or study (%)	23.3	23.7	22.4
Other status (%) ^a	2.4	1.9	3.3
Definite postdoctoral training plans (%) ^b			
Postdoc fellowship or research associateship	92.0	93.4	88.6
Other training or unknown ^c	8.0	6.6	11.4
Definite employment plans (%) ^d			
Academe	26.6	25.3	29.3
In tenure track faculty position	62.2	62.5	61.6
Not in tenure track position	33.8	34.3	32.9
Government	3.9	2.5	6.4
Industry or business ^e	66.6	69.5	60.9
Nonprofit organization	1.5	1.5	1.4
Other or unknown ^f	1.4	1.1	2.0
Primary activity ^g			
Research and development	68.4	70.2	65.0
Teaching	15.2	15.3	15.2
Management or administration	2.4	1.2	4.7
Professional services and other	14.0	13.4	15.2
Secondary activity ^g			
Research and development	20.6	19.8	22.1
Teaching	10.5	8.9	13.7
Management or administration	6.9	5.7	9.4
Professional services and other	16.6	16.8	16.2
No secondary activity	45.4	48.9	38.5
Activity unknown	2.5	2.7	2.2
Postgraduation location (%) ^h			
United States ⁱ	91.9	92.6	90.4
Midwest	8.9	8.5	9.8
Northeast	19.8	20.6	18.2
South	19.0	16.7	23.6
West	43.8	46.3	38.6
Outside the United States	8.1	7.4	9.5
Location unknown	0.1	0.0	0.2
Postgraduation location in same state as doctorate institution (%)	32.0	30.9	34.2
Male doctorate recipients reporting postgraduation status (number)	1,908	1,310	598
Definite postdoctoral training plans (%)	15.5	16.5	13.4
Definite employment plans (%)	59.2	57.6	62.5
Seeking employment or study (%)	23.1	24.1	20.9
Other status (%) ^a	2.2	1.8	3.2
Definite postdoctoral training plans (%) ^b			
Postdoc fellowship or research associateship	92.2	93.1	90.0
Other training or unknown ^c	7.8	6.9	10.0
Definite employment plans (%) ^d			
Academe	23.3	22.6	24.6

Table 9-5. Computer and information sciences research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2025

(Number and percent)

Characteristic	All computer and information sciences fields	Computer science	Computer and information sciences, other
In tenure track faculty position	65.4	66.7	63.0
Not in tenure track position	30.8	30.4	31.5
Government	4.3	D	D
Industry or business ^e	69.4	72.2	63.6
Nonprofit organization	1.4	D	D
Other or unknown ^f	1.6	1.1	2.7
Primary activity ^g			
Research and development	70.0	71.7	66.6
Teaching	12.9	D	D
Management or administration	2.4	D	D
Professional services and other	14.7	13.9	16.4
Secondary activity ^g			
Research and development	19.4	18.8	20.5
Teaching	10.3	9.4	12.1
Management or administration	7.9	6.3	11.2
Professional services and other	16.4	16.2	16.7
No secondary activity	46.1	49.4	39.5
Activity unknown	2.6	2.6	2.4
Postgraduation location (%) ^h			
United States ⁱ	91.7	92.6	89.9
Midwest	8.5	8.8	7.9
Northeast	19.9	21.2	17.2
South	17.8	15.3	23.1
West	45.1	46.8	41.4
Outside the United States	8.2	7.4	9.9
Location unknown	0.1	0.0	0.2
Postgraduation location in same state as doctorate institution (%)	31.1	30.0	33.5
Female doctorate recipients reporting postgraduation status (number)	638	398	240
Definite postdoctoral training plans (%)	18.2	18.3	17.9
Definite employment plans (%)	55.0	56.8	52.1
Seeking employment or study (%)	23.8	22.4	26.3
Other status (%) ^a	2.8	2.3	3.8
Definite postdoctoral training plans (%) ^b			
Postdoc fellowship or research associateship	91.4	94.5	86.0
Other training or unknown ^c	8.6	5.5	14.0
Definite employment plans (%) ^d			
Academe	37.3	34.1	43.2
In tenure track faculty position	55.7	53.2	59.3
Not in tenure track position	39.7	42.9	35.2
Government	2.3	D	D
Industry or business ^e	57.8	60.6	52.8
Nonprofit organization	1.7	D	D
Other or unknown ^f	0.9	1.3	0.0
Primary activity ^g			
Research and development	63.3	65.0	60.2
Teaching	22.7	D	D
Management or administration	2.3	D	D
Professional services and other	11.7	11.8	11.4

Table 9-5. Computer and information sciences research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2025

(Number and percent)

Characteristic	All computer and information sciences fields	Computer science	Computer and information sciences, other
Secondary activity ^g			
Research and development	24.5	23.2	26.8
Teaching	11.4	7.3	18.7
Management or administration	3.8	3.6	4.1
Professional services and other	17.2	18.6	14.6
No secondary activity	43.1	47.3	35.8
Activity unknown	2.3	2.7	1.6
Postgraduation location (%) ^h			
United States ⁱ	92.3	92.6	91.7
Midwest	10.3	7.7	14.9
Northeast	19.3	18.4	20.8
South	22.5	21.1	25.0
West	39.8	44.8	31.0
Outside the United States	7.7	7.4	8.3
Location unknown	0.0	0.0	0.0
Postgraduation location in same state as doctorate institution (%)	34.7	33.8	36.3

D = suppressed to avoid disclosure of confidential information.

^a Other status includes doctorate recipients reporting: no plans to work or study, some other type of postgraduation plans, or definite plans for other full-time degree program.^b Definite postdoctoral training plans excludes doctorate recipients reporting plans for other full-time degree program. Percentages are based on the number of doctorate recipients reporting definite postdoctoral plans for study.^c Other training includes doctorate recipients who reported definite postdoctoral plans for traineeship, internship or clinical residency, or other study.^d Percentages are based on the number of doctorate recipients reporting definite postgraduation plans for employment.^e Industry or business includes doctorate recipients reporting self-employment.^f Other is mainly composed of elementary and secondary schools.^g Percentages are based on the number of doctorate recipients reporting definite postgraduation plans for employment and primary or secondary work activity.^h Percentages are based on the number of doctorate recipients reporting definite postgraduation plans and type of plans.ⁱ United States includes doctorate recipients with an unknown U.S. region of employment after doctorate; thus, the percentages by regions will not sum to the value for United States. See the "Technical Notes" for states or territories included in regions.**Note(s):**

A definite postgraduation commitment includes accepting new employment or a postdoctoral study (postdoc) position or returning to predoctoral employment, while postgraduation employment includes accepting new employment or returning to predoctoral employment that is not a postdoctoral study (postdoc) position. Due to rounding, percentages may not sum to 100. The survey data collection for the field of study changed in 2021, which may affect the data comparisons across years. This table uses the new field taxonomy based on a modified version of the 2020 Classification of Instructional Programs (CIP) codes and does not match data that uses the trend field taxonomy. 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.

Table 9-6. Engineering research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2025

(Number and percent)

[illegible]

Table 9-6. Engineering research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2025

(Number and percent)

Characteristic	All engineering fields	Aerospace, aeronautical, astronautical, and space engineering	Biological, biomedical, and biosystems engineering	Chemical and petroleum engineering	Civil, environmental, and transportation engineering	Electrical and computer engineering	Engineering technologies	Industrial engineering and operations research	Materials and mining engineering	Mechanical engineering	Engineering, other
United States ⁱ	92.2	91.4	96.5	90.9	91.5	91.5	90.8	90.4	91.7	93.0	92.7
Midwest	14.4	15.8	17.1	16.0	14.6	9.1	12.5	14.0	14.4	17.7	17.5
Northeast	18.2	11.8	25.6	25.2	14.1	14.3	23.8	18.9	18.3	18.1	17.0
South	26.9	29.2	28.4	23.8	36.4	23.5	20.4	35.5	24.3	23.2	27.7
West	32.1	34.0	25.1	25.2	25.6	44.1	33.3	22.1	34.7	33.4	29.9
Outside the United States	7.7	8.6	3.5	9.0	8.4	8.4	9.2	9.6	8.1	6.8	7.0
Location unknown	0.1	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.2	0.2	0.2
Postgraduation location in same state as doctorate institution (%)	40.8	42.1	53.0	37.6	46.9	34.1	41.3	31.1	44.0	43.0	35.4
Male doctorate recipients reporting postgraduation status (number)	6,928	445	698	783	744	1,503	286	390	539	1,092	448
Definite postdoctoral training plans (%)	24.0	23.8	35.1	24.6	26.1	16.0	19.2	14.4	31.9	25.5	27.2
Definite employment plans (%)	42.8	45.4	21.5	35.9	42.2	57.2	45.1	55.6	33.0	40.7	42.2
Seeking employment or study (%)	31.1	29.9	39.1	38.1	29.8	24.5	32.2	28.2	33.0	32.5	27.9
Other status (%) ^a	2.1	0.9	4.2	1.4	1.9	2.2	3.1	1.5	2.0	1.3	2.7
Definite postdoctoral training plans (%) ^b											
Postdoc fellowship or research associateship	96.3	93.4	93.1	94.8	96.9	96.3	D	96.4	98.3	98.6	96.7
Other training or unknown ^c	3.7	6.6	6.9	5.2	3.1	3.8	D	3.6	1.7	1.4	3.3
Definite employment plans (%) ^d											
Academe	14.4	18.3	D	D	D	D	13.2	26.7	D	D	20.1
In tenure track faculty position	45.1	37.8	D	D	D	D	D	55.2	D	41.6	36.8
Not in tenure track position	45.8	45.9	83.3	57.1	54.5	36.3	D	34.5	68.8	D	42.1
Government	7.0	D	D	2.8	15.9	4.2	D	11.1	4.5	5.9	D
Industry or business ^e	73.9	65.3	80.7	85.8	65.6	79.5	77.5	56.7	82.6	72.1	61.4
Nonprofit organization	3.1	D	4.7	D	D	D	D	3.7	D	D	D
Other or unknown ^f	1.5	1.0	0.7	2.5	1.9	1.5	0.8	1.8	0.0	1.6	2.1
Primary activity ^g											
Research and development	62.1	63.1	D	71.4	28.9	69.0	D	49.5	68.6	61.8	D
Teaching	6.8	6.7	4.7	3.0	8.2	6.0	3.9	9.9	5.1	9.4	9.8
Management or administration	3.2	3.6	D	D	D	D	D	9.9	D	1.6	D

Table 9-6. Engineering research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2025

(Number and percent)

Characteristic	All engineering fields	Aerospace, aeronautical, astronautical, and space engineering	Biological, biomedical, and biosystems engineering	Chemical and petroleum engineering	Civil, environmental, and transportation engineering	Electrical and computer engineering	Engineering technologies	Industrial engineering and operations research	Materials and mining engineering	Mechanical engineering	Engineering, other
Professional services and other	27.8	26.7	19.6	D	D	D	20.3	30.7	D	27.2	22.3
Secondary activity ^g											
Research and development	20.2	21.0	12.2	15.2	29.8	19.6	10.2	25.5	20.6	20.4	20.1
Teaching	6.0	D	D	D	7.9	5.5	D	14.6	D	D	5.4
Management or administration	10.4	D	17.6	12.3	12.5	6.2	10.2	8.0	D	8.2	17.9
Professional services and other	21.4	19.5	D	22.3	14.4	23.7	D	17.0	21.1	23.9	19.0
No secondary activity	42.0	40.5	39.9	D	35.4	45.0	54.7	34.9	40.0	D	37.5
Activity unknown	2.9	3.5	1.3	4.3	2.9	2.8	0.8	2.3	1.7	3.8	2.6
Postgraduation location (%) ^h											
United States ⁱ	91.4	D	96.2	89.7	89.6	91.1	D	89.0	90.0	92.8	92.9
Midwest	14.2	16.2	19.7	15.2	14.4	8.9	13.0	12.5	14.3	17.6	17.0
Northeast	17.4	10.4	25.3	24.3	11.2	14.2	21.7	20.9	17.1	18.4	17.0
South	26.4	32.1	24.3	24.5	37.4	23.5	18.5	34.1	23.4	23.1	28.0
West	33.0	32.1	26.6	25.5	25.8	44.2	36.4	21.6	35.1	33.2	30.2
Outside the United States	8.5	D	3.8	10.1	10.4	8.8	D	11.0	9.7	6.9	6.8
Location unknown	0.1	0.0	0.0	0.2	0.0	0.1	0.0	0.0	0.3	0.3	0.3
Postgraduation location in same state as doctorate institution (%)	39.9	42.9	53.2	35.2	45.1	33.8	41.8	29.7	44.3	43.2	35.7
Female doctorate recipients reporting postgraduation status (number)	2,783	100	554	390	406	371	76	203	241	292	150
Definite postdoctoral training plans (%)	24.9	19.0	29.8	23.8	27.8	19.1	32.9	12.8	32.0	24.7	21.3
Definite employment plans (%)	36.8	46.0	21.1	36.9	37.2	49.1	40.8	53.7	33.2	32.2	46.0
Seeking employment or study (%)	36.0	34.0	44.0	37.2	32.8	29.9	25.0	32.5	34.0	41.4	31.3
Other status (%) ^a	2.3	1.0	5.1	2.1	2.2	1.6	1.3	1.0	0.8	1.7	1.3
Definite postdoctoral training plans (%) ^b											
Postdoc fellowship or research associateship	98.0	D	98.2	D	98.2	97.2	96.0	88.5	98.7	98.6	96.9
Other training or unknown ^c	2.0	D	1.8	D	1.8	2.8	4.0	11.5	1.3	1.4	3.1
Definite employment plans (%) ^d											
Academe	20.6	D	D	D	D	D	D	33.9	D	D	33.3

Table 9-6. Engineering research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2025

(Number and percent)

Characteristic	All engineering fields	Aerospace, aeronautical, astronautical, and space engineering	Biological, biomedical, and biosystems engineering	Chemical and petroleum engineering	Civil, environmental, and transportation engineering	Electrical and computer engineering	Engineering technologies	Industrial engineering and operations research	Materials and mining engineering	Mechanical engineering	Engineering, other
In tenure track faculty position	44.5	D	D	D	D	D	55.6	48.6	D	36.4	43.5
Not in tenure track position	47.4	41.7	80.0	88.9	34.3	33.3	D	48.6	63.6	D	39.1
Government	7.2	D	D	4.9	18.5	2.7	D	9.2	6.3	7.4	D
Industry or business ^e	67.6	63.0	73.5	84.0	54.3	75.8	64.5	51.4	77.5	63.8	55.1
Nonprofit organization	3.2	D	4.3	D	D	D	0.0	4.6	D	D	D
Other or unknown ^f	1.3	4.3	0.9	0.7	1.3	2.2	3.2	0.9	0.0	1.1	0.0
Primary activity ^g											
Research and development	54.9	D	D	72.9	27.9	61.0	48.3	45.8	67.9	56.8	D
Teaching	9.8	12.5	6.2	5.0	10.9	6.2	20.7	16.8	6.4	14.8	13.2
Management or administration	2.2	D	D	D	D	D	0.0	5.6	D	0.0	D
Professional services and other	33.0	40.0	34.5	D	D	D	31.0	31.8	D	28.4	16.2
Secondary activity ^g											
Research and development	20.3	35.0	8.8	7.1	33.3	18.1	31.0	28.0	14.1	25.0	19.1
Teaching	7.7	D	D	D	7.5	9.6	D	17.8	D	D	11.8
Management or administration	11.9	D	22.1	19.3	10.2	6.2	17.2	4.7	D	14.8	14.7
Professional services and other	16.5	20.0	D	17.9	10.2	15.8	D	14.0	21.8	27.3	14.7
No secondary activity	43.7	35.0	48.7	D	38.8	50.3	37.9	35.5	50.0	D	39.7
Activity unknown	3.5	13.0	3.4	2.8	2.6	2.7	6.5	1.8	2.5	6.4	1.4
Postgraduation location (%) ^h											
United States ⁱ	94.3	D	96.8	93.2	95.1	93.3	D	93.3	95.5	94.0	92.1
Midwest	14.9	13.8	13.5	17.7	15.2	9.9	10.7	17.0	14.6	18.1	18.8
Northeast	20.6	18.5	25.9	27.0	19.7	15.0	30.4	14.8	21.0	16.9	16.8
South	28.2	15.4	34.0	22.4	34.5	23.7	26.8	38.5	26.1	23.5	26.7
West	29.8	43.1	23.0	24.5	25.4	43.9	23.2	23.0	33.8	34.3	28.7
Outside the United States	5.6	D	3.2	6.8	4.5	6.3	D	6.7	4.5	6.0	7.9
Location unknown	0.1	0.0	0.0	0.0	0.4	0.4	0.0	0.0	0.0	0.0	0.0
Postgraduation location in same state as doctorate institution (%)	43.0	38.5	52.8	42.2	50.4	35.6	39.3	34.1	43.3	42.2	34.7

D = suppressed to avoid disclosure of confidential information.

^a Other status includes doctorate recipients reporting: no plans to work or study, some other type of postgraduation plans, or definite plans for other full-time degree program.

^b Definite postdoctoral training plans excludes doctorate recipients reporting plans for other full-time degree program. Percentages are based on the number of doctorate recipients reporting definite postdoctoral plans for study.

^c Other training includes doctorate recipients who reported definite postdoctoral plans for traineeship, internship or clinical residency, or other study.

^d Percentages are based on the number of doctorate recipients reporting definite postgraduation plans for employment.

^e Industry or business includes doctorate recipients reporting self-employment.

^f Other is mainly composed of elementary and secondary schools.

^g Percentages are based on the number of doctorate recipients reporting definite postgraduation plans for employment and primary or secondary work activity.

^h Percentages are based on the number of doctorate recipients reporting definite postgraduation plans and type of plans.

ⁱ United States includes doctorate recipients with an unknown U.S. region of employment after doctorate; thus, the percentages by regions will not sum to the value for United States. See the "[Technical Notes](#)" for states or territories included in regions.

Note(s):

A definite postgraduation commitment includes accepting new employment or a postdoctoral study (postdoc) position or returning to predoctoral employment, while postgraduation employment includes accepting new employment or returning to predoctoral employment that is not a postdoctoral study (postdoc) position. Due to rounding, percentages may not sum to 100. The survey data collection for the field of study changed in 2021, which may affect the data comparisons across years. This table uses the new field taxonomy based on a modified version of the 2020 Classification of Instructional Programs (CIP) codes and does not match data that uses the trend field taxonomy. 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.

Table 9-7. Geosciences, atmospheric, and ocean sciences research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2025

(Number and percent)

Characteristic	All geosciences, atmospheric, and ocean sciences fields	Geological and earth sciences	Ocean, marine, and atmospheric sciences
Doctorate recipients reporting postgraduation status (number)	1,101	582	519
Definite postdoctoral training plans (%)	44.7	40.2	49.7
Definite employment plans (%)	25.7	29.9	21.0
Seeking employment or study (%)	27.0	26.8	27.2
Other status (%) ^a	2.6	3.1	2.1
Definite postdoctoral training plans (%) ^b			
Postdoc fellowship or research associateship	98.8	98.3	99.2
Other training or unknown ^c	1.2	1.7	0.8
Definite employment plans (%) ^d			
Academe	30.4	31.0	29.4
In tenure track faculty position	31.4	37.0	21.9
Not in tenure track position	65.1	61.1	71.9
Government	22.3	18.4	28.4
Industry or business ^e	38.5	44.3	29.4
Nonprofit organization	7.4	5.2	11.0
Other or unknown ^f	1.4	1.1	1.8
Primary activity ^g			
Research and development	49.3	40.5	63.5
Teaching	19.1	22.0	14.4
Management or administration	5.1	5.4	4.8
Professional services and other	26.5	32.1	17.3
Secondary activity ^g			
Research and development	30.9	35.1	24.0
Teaching	5.5	4.2	7.7
Management or administration	14.0	15.5	11.5
Professional services and other	14.3	15.5	12.5
No secondary activity	35.3	29.8	44.2
Activity unknown	3.9	3.4	4.6
Postgraduation location (%) ^h			
United States ⁱ	89.4	87.0	92.1
Midwest	8.9	11.5	6.0
Northeast	17.3	14.2	20.7
South	25.9	26.2	25.6
West	36.9	34.3	39.8
Outside the United States	10.6	13.0	7.9
Location unknown	0.0	0.0	0.0
Postgraduation location in same state as doctorate institution (%)	39.7	38.7	40.9
Male doctorate recipients reporting postgraduation status (number)	571	313	258
Definite postdoctoral training plans (%)	46.4	41.2	52.7
Definite employment plans (%)	26.1	32.3	18.6
Seeking employment or study (%)	26.1	25.2	27.1
Other status (%) ^a	1.4	1.3	1.6
Definite postdoctoral training plans (%) ^b			
Postdoc fellowship or research associateship	98.1	96.9	99.3
Other training or unknown ^c	1.9	3.1	0.7
Definite employment plans (%) ^d			

Table 9-7. Geosciences, atmospheric, and ocean sciences research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2025

(Number and percent)

Characteristic	All geosciences, atmospheric, and ocean sciences fields	Geological and earth sciences	Ocean, marine, and atmospheric sciences
Academe	28.2	D	D
In tenure track faculty position	40.5	D	D
Not in tenure track position	54.8	46.4	71.4
Government	20.1	15.8	29.2
Industry or business ^e	46.3	50.5	37.5
Nonprofit organization	4.0	D	D
Other or unknown ^f	1.3	2.0	0.0
Primary activity ^g			
Research and development	46.9	37.5	66.0
Teaching	D	D	10.6
Management or administration	D	D	0.0
Professional services and other	30.8	34.4	23.4
Secondary activity ^g			
Research and development	30.8	D	D
Teaching	4.2	D	D
Management or administration	13.3	14.6	10.6
Professional services and other	15.4	15.6	14.9
No secondary activity	36.4	33.3	42.6
Activity unknown	4.0	5.0	2.1
Postgraduation location (%) ^h			
United States ⁱ	86.7	82.6	91.8
Midwest	10.4	12.6	7.6
Northeast	15.0	11.3	19.6
South	24.6	24.8	24.5
West	36.5	33.5	40.2
Outside the United States	13.3	17.4	8.2
Location unknown	0.0	0.0	0.0
Postgraduation location in same state as doctorate institution (%)	39.4	37.4	41.8
Female doctorate recipients reporting postgraduation status (number)	530	269	261
Definite postdoctoral training plans (%)	42.8	39.0	46.7
Definite employment plans (%)	25.3	27.1	23.4
Seeking employment or study (%)	27.9	28.6	27.2
Other status (%) ^a	4.0	5.2	2.7
Definite postdoctoral training plans (%) ^b			
Postdoc fellowship or research associateship	99.6	D	99.2
Other training or unknown ^c	0.4	D	0.8
Definite employment plans (%) ^d			
Academe	32.8	D	D
In tenure track faculty position	22.7	D	D
Not in tenure track position	75.0	76.9	72.2
Government	24.6	21.9	27.9
Industry or business ^e	29.9	35.6	23.0
Nonprofit organization	11.2	D	D
Other or unknown ^f	1.5	0.0	3.3
Primary activity ^g			
Research and development	51.9	44.4	61.4
Teaching	D	D	17.5

Table 9-7. Geosciences, atmospheric, and ocean sciences research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2025

(Number and percent)

Characteristic	All geosciences, atmospheric, and ocean sciences fields	Geological and earth sciences	Ocean, marine, and atmospheric sciences
Management or administration	D	D	8.8
Professional services and other	21.7	29.2	12.3
Secondary activity ^g			
Research and development	31.0	D	D
Teaching	7.0	D	D
Management or administration	14.7	16.7	12.3
Professional services and other	13.2	15.3	10.5
No secondary activity	34.1	25.0	45.6
Activity unknown	3.7	1.4	6.6
Postgraduation location (%) ^h			
United States ⁱ	92.5	92.7	92.3
Midwest	7.2	10.1	4.4
Northeast	19.9	18.0	21.9
South	27.4	28.1	26.8
West	37.4	35.4	39.3
Outside the United States	7.5	7.3	7.7
Location unknown	0.0	0.0	0.0
Postgraduation location in same state as doctorate institution (%)	40.2	40.4	39.9

D = suppressed to avoid disclosure of confidential information.

^a Other status includes doctorate recipients reporting: no plans to work or study, some other type of postgraduation plans, or definite plans for other full-time degree program.^b Definite postdoctoral training plans excludes doctorate recipients reporting plans for other full-time degree program. Percentages are based on the number of doctorate recipients reporting definite postdoctoral plans for study.^c Other training includes doctorate recipients who reported definite postdoctoral plans for traineeship, internship or clinical residency, or other study.^d Percentages are based on the number of doctorate recipients reporting definite postgraduation plans for employment.^e Industry or business includes doctorate recipients reporting self-employment.^f Other is mainly composed of elementary and secondary schools.^g Percentages are based on the number of doctorate recipients reporting definite postgraduation plans for employment and primary or secondary work activity.^h Percentages are based on the number of doctorate recipients reporting definite postgraduation plans and type of plans.ⁱ United States includes doctorate recipients with an unknown U.S. region of employment after doctorate; thus, the percentages by regions will not sum to the value for United States. See the "Technical Notes" for states or territories included in regions.**Note(s):**

A definite postgraduation commitment includes accepting new employment or a postdoctoral study (postdoc) position or returning to predoctoral employment, while postgraduation employment includes accepting new employment or returning to predoctoral employment that is not a postdoctoral study (postdoc) position. Due to rounding, percentages may not sum to 100. The survey data collection for the field of study changed in 2021, which may affect the data comparisons across years. This table uses the new field taxonomy based on a modified version of the 2020 Classification of Instructional Programs (CIP) codes and does not match data that uses the trend field taxonomy. 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.

Table 9-8. Health sciences research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2025

(Number and percent)

Characteristic	All health sciences fields	Nursing and nursing science	Pharmacy and pharmaceutical sciences	Public health	Health sciences, other
Doctorate recipients reporting postgraduation status (number)	2,547	578	362	729	878
Definite postdoctoral training plans (%)	22.5	13.8	30.1	28.5	19.9
Definite employment plans (%)	47.0	58.5	30.7	38.7	53.1
Seeking employment or study (%)	27.2	24.0	37.6	28.9	23.6
Other status (%) ^a	3.3	3.6	1.7	3.7	3.3
Definite postdoctoral training plans (%) ^b					
Postdoc fellowship or research associateship	87.9	93.8	97.2	80.3	88.6
Other training or unknown ^c	12.1	6.3	2.8	19.7	11.4
Definite employment plans (%) ^d					
Academe	50.9	63.6	21.6	40.8	54.7
In tenure track faculty position	36.9	35.3	20.8	24.3	45.5
Not in tenure track position	56.2	53.0	70.8	70.4	51.0
Government	8.7	6.8	8.1	16.0	5.8
Industry or business ^e	23.0	11.5	63.1	21.6	22.5
Nonprofit organization	14.0	16.0	4.5	19.5	11.4
Other or unknown ^f	3.5	2.1	2.7	2.1	5.6
Primary activity ^g					
Research and development	28.2	10.3	73.8	41.2	22.5
Teaching	32.3	49.5	D	D	33.9
Management or administration	13.0	14.6	D	D	10.5
Professional services and other	26.4	25.5	14.0	21.5	33.0
Secondary activity ^g					
Research and development	33.2	41.9	13.1	27.4	35.0
Teaching	14.9	D	D	11.3	19.9
Management or administration	15.5	D	D	20.4	13.8
Professional services and other	11.7	9.1	14.0	14.2	11.6
No secondary activity	24.8	21.9	50.5	26.6	19.6
Activity unknown	3.3	2.7	3.6	2.8	3.9
Postgraduation location (%) ^h					
United States ⁱ	94.0	91.1	95.9	95.5	93.9
Midwest	17.9	15.8	21.4	16.9	18.9
Northeast	19.2	20.3	22.3	17.1	19.0
South	36.3	35.4	29.5	41.6	35.1
West	19.9	19.6	20.0	19.4	20.4
Outside the United States	6.0	8.9	4.1	4.5	5.9
Location unknown	0.1	0.0	0.0	0.0	0.2
Postgraduation location in same state as doctorate institution (%)	50.9	55.3	43.6	50.0	51.2
Male doctorate recipients reporting postgraduation status (number)	752	57	174	212	309
Definite postdoctoral training plans (%)	27.8	12.3	31.6	33.0	24.9
Definite employment plans (%)	42.0	63.2	30.5	37.7	47.6
Seeking employment or study (%)	26.7	21.1	35.6	24.1	24.6
Other status (%) ^a	3.5	3.5	2.3	5.2	2.9
Definite postdoctoral training plans (%) ^b					
Postdoc fellowship or research associateship	80.9	D	98.2	64.3	81.8
Other training or unknown ^c	19.1	D	1.8	35.7	18.2
Definite employment plans (%) ^d					

Table 9-8. Health sciences research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2025

(Number and percent)

Characteristic	All health sciences fields	Nursing and nursing science	Pharmacy and pharmaceutical sciences	Public health	Health sciences, other
Academe	43.4	55.6	17.0	37.5	53.1
In tenure track faculty position	46.7	D	D	33.3	50.0
Not in tenure track position	50.4	30.0	66.7	66.7	47.4
Government	11.7	D	D	17.5	8.2
Industry or business ^e	29.1	13.9	64.2	23.8	23.1
Nonprofit organization	11.7	D	D	21.3	8.2
Other or unknown ^f	4.1	0.0	3.8	0.0	7.5
Primary activity ^g					
Research and development	39.5	16.7	74.5	45.6	29.0
Teaching	25.3	36.1	D	D	34.8
Management or administration	10.5	19.4	D	D	7.2
Professional services and other	24.7	27.8	15.7	21.5	29.0
Secondary activity ^g					
Research and development	28.0	41.7	11.8	19.0	35.5
Teaching	17.8	D	D	16.5	18.8
Management or administration	14.1	D	D	16.5	13.0
Professional services and other	14.1	D	D	22.8	12.3
No secondary activity	26.0	13.9	51.0	25.3	20.3
Activity unknown	3.8	0.0	3.8	1.3	6.1
Postgraduation location (%) ^h					
United States ⁱ	93.3	86.0	D	D	91.5
Midwest	18.1	16.3	22.2	19.3	15.6
Northeast	18.9	18.6	23.1	14.7	19.6
South	32.4	32.6	26.9	39.3	30.4
West	23.0	18.6	D	D	25.4
Outside the United States	6.7	14.0	D	D	8.5
Location unknown	0.0	0.0	0.0	0.0	0.0
Postgraduation location in same state as doctorate institution (%)	45.9	53.5	41.7	49.3	44.2
Female doctorate recipients reporting postgraduation status (number)	1,795	521	188	517	569
Definite postdoctoral training plans (%)	20.2	14.0	28.7	26.7	17.2
Definite employment plans (%)	49.1	58.0	30.9	39.1	56.1
Seeking employment or study (%)	27.4	24.4	39.4	30.9	23.0
Other status (%) ^a	3.2	3.6	1.1	3.1	3.5
Definite postdoctoral training plans (%) ^b					
Postdoc fellowship or research associateship	92.0	93.2	96.3	88.4	93.9
Other training or unknown ^c	8.0	6.8	3.7	11.6	6.1
Definite employment plans (%) ^d					
Academe	53.6	64.6	25.9	42.1	55.5
In tenure track faculty position	34.1	D	D	21.2	43.5
Not in tenure track position	57.8	55.4	73.3	71.8	52.5
Government	7.6	D	D	15.3	4.7
Industry or business ^e	20.8	11.3	62.1	20.8	22.3
Nonprofit organization	14.8	D	D	18.8	12.9
Other or unknown ^f	3.3	2.3	1.7	3.0	4.7
Primary activity ^g					
Research and development	24.2	9.6	73.2	39.5	19.7
Teaching	34.8	51.2	D	D	33.5
Management or administration	13.9	14.0	D	D	11.9

Table 9-8. Health sciences research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2025

(Number and percent)

Characteristic	All health sciences fields	Nursing and nursing science	Pharmacy and pharmaceutical sciences	Public health	Health sciences, other
Professional services and other	27.0	25.3	12.5	21.5	34.8
Secondary activity ^g					
Research and development	35.0	42.0	14.3	30.8	34.8
Teaching	13.8	D	D	9.2	20.3
Management or administration	15.9	13.3	17.9	22.1	14.2
Professional services and other	10.9	D	D	10.8	11.3
No secondary activity	24.4	22.9	50.0	27.2	19.4
Activity unknown	3.1	3.0	3.4	3.5	2.8
Postgraduation location (%) ^h					
United States ⁱ	94.2	91.7	D	D	95.2
Midwest	17.8	15.7	20.5	15.9	20.6
Northeast	19.4	20.5	21.4	18.2	18.7
South	37.9	35.7	32.1	42.6	37.6
West	18.6	19.7	D	D	17.7
Outside the United States	5.7	8.3	D	D	4.6
Location unknown	0.1	0.0	0.0	0.0	0.2
Postgraduation location in same state as doctorate institution (%)	53.0	55.5	45.5	50.3	54.9

D = suppressed to avoid disclosure of confidential information.

^a Other status includes doctorate recipients reporting: no plans to work or study, some other type of postgraduation plans, or definite plans for other full-time degree program.^b Definite postdoctoral training plans excludes doctorate recipients reporting plans for other full-time degree program. Percentages are based on the number of doctorate recipients reporting definite postdoctoral plans for study.^c Other training includes doctorate recipients who reported definite postdoctoral plans for traineeship, internship or clinical residency, or other study.^d Percentages are based on the number of doctorate recipients reporting definite postgraduation plans for employment.^e Industry or business includes doctorate recipients reporting self-employment.^f Other is mainly composed of elementary and secondary schools.^g Percentages are based on the number of doctorate recipients reporting definite postgraduation plans for employment and primary or secondary work activity.^h Percentages are based on the number of doctorate recipients reporting definite postgraduation plans and type of plans.ⁱ United States includes doctorate recipients with an unknown U.S. region of employment after doctorate; thus, the percentages by regions will not sum to the value for United States. See the "Technical Notes" for states or territories included in regions.**Note(s):**

A definite postgraduation commitment includes accepting new employment or a postdoctoral study (postdoc) position or returning to predoctoral employment, while postgraduation employment includes accepting new employment or returning to predoctoral employment that is not a postdoctoral study (postdoc) position. Due to rounding, percentages may not sum to 100. The survey data collection for the field of study changed in 2021, which may affect the data comparisons across years. This table uses the new field taxonomy based on a modified version of the 2020 Classification of Instructional Programs (CIP) codes and does not match data that uses the trend field taxonomy. 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.

Table 9-9. Mathematics and statistics research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2025

(Number and percent)

Characteristic	All mathematics and statistics fields	Applied mathematics	Mathematics	Statistics
Doctorate recipients reporting postgraduation status (number)	1,873	422	853	598
Definite postdoctoral training plans (%)	32.6	28.9	41.5	22.6
Definite employment plans (%)	36.5	36.3	25.9	51.7
Seeking employment or study (%)	29.1	31.8	30.9	24.6
Other status (%) ^a	1.8	3.1	1.6	1.0
Definite postdoctoral training plans (%) ^b				
Postdoc fellowship or research associateship	97.7	97.5	98.0	97.0
Other training or unknown ^c	2.3	2.5	2.0	3.0
Definite employment plans (%) ^d				
Academe	40.8	45.8	55.2	28.2
In tenure track faculty position	36.9	35.7	26.2	52.9
Not in tenure track position	58.1	57.1	68.9	43.7
Government	4.7	D	D	5.5
Industry or business ^e	49.8	47.1	34.8	61.8
Nonprofit organization	2.8	D	D	3.2
Other or unknown ^f	1.9	0.7	3.6	1.3
Primary activity ^g				
Research and development	43.8	46.4	25.6	55.7
Teaching	33.6	37.1	54.0	17.1
Management or administration	1.2	D	D	D
Professional services and other	21.4	D	D	D
Secondary activity ^g				
Research and development	30.4	32.5	33.0	27.5
Teaching	6.8	5.3	4.2	9.4
Management or administration	6.0	6.0	7.4	5.0
Professional services and other	14.2	11.3	9.8	18.8
No secondary activity	42.6	45.0	45.6	39.3
Activity unknown	2.8	1.3	2.7	3.6
Postgraduation location (%) ^h				
United States ⁱ	84.5	90.9	76.5	91.0
Midwest	14.6	12.0	14.1	16.9
Northeast	22.4	21.8	21.9	23.4
South	24.3	29.1	21.7	24.8
West	22.7	27.6	18.3	25.5
Outside the United States	15.2	9.1	23.3	8.6
Location unknown	0.2	0.0	0.2	0.5
Postgraduation location in same state as doctorate institution (%)	26.0	33.5	21.0	27.7
Male doctorate recipients reporting postgraduation status (number)	1,302	264	635	403
Definite postdoctoral training plans (%)	33.2	28.0	40.8	24.6
Definite employment plans (%)	35.4	38.6	24.4	50.6
Seeking employment or study (%)	29.4	30.7	32.8	23.3
Other status (%) ^a	1.9	2.7	2.0	1.2
Definite postdoctoral training plans (%) ^b				
Postdoc fellowship or research associateship	97.7	97.3	98.5	96.0
Other training or unknown ^c	2.3	2.7	1.5	4.0
Definite employment plans (%) ^d				
Academe	D	D	D	27.9
In tenure track faculty position	D	D	D	47.4

Table 9-9. Mathematics and statistics research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2025

(Number and percent)

Characteristic	All mathematics and statistics fields	Applied mathematics	Mathematics	Statistics
Not in tenure track position	57.1	53.7	64.6	49.1
Government	4.6	D	4.5	D
Industry or business ^e	52.5	52.9	40.6	61.3
Nonprofit organization	D	D	D	D
Other or unknown ^f	1.3	1.0	1.9	1.0
Primary activity ^g				
Research and development	46.2	50.0	28.7	57.6
Teaching	D	31.0	D	17.2
Management or administration	D	D	D	D
Professional services and other	22.3	D	D	D
Secondary activity ^g				
Research and development	30.4	D	D	27.8
Teaching	7.4	D	D	D
Management or administration	6.0	D	7.3	D
Professional services and other	15.2	12.0	9.3	21.2
No secondary activity	41.1	46.0	44.0	36.4
Activity unknown	2.8	2.0	3.2	2.9
Postgraduation location (%) ^h				
United States ⁱ	83.1	90.9	73.9	91.1
Midwest	14.1	11.4	13.0	17.2
Northeast	22.7	23.3	22.9	22.1
South	23.2	23.9	20.8	26.1
West	22.8	32.4	17.1	25.1
Outside the United States	16.6	9.1	25.8	8.3
Location unknown	0.3	0.0	0.2	0.7
Postgraduation location in same state as doctorate institution (%)	26.3	36.4	20.0	29.0
Female doctorate recipients reporting postgraduation status (number)	571	158	218	195
Definite postdoctoral training plans (%)	31.3	30.4	43.6	18.5
Definite employment plans (%)	38.9	32.3	30.3	53.8
Seeking employment or study (%)	28.4	33.5	25.7	27.2
Other status (%) ^a	1.4	3.8	0.5	0.5
Definite postdoctoral training plans (%) ^b				
Postdoc fellowship or research associateship	97.8	97.9	96.8	D
Other training or unknown ^c	2.2	2.1	3.2	D
Definite employment plans (%) ^d				
Academe	D	D	D	28.6
In tenure track faculty position	D	D	D	63.3
Not in tenure track position	59.8	62.1	76.7	33.3
Government	5.0	D	D	D
Industry or business ^e	44.1	35.3	21.2	62.9
Nonprofit organization	D	0.0	D	D
Other or unknown ^f	3.2	0.0	7.6	1.9
Primary activity ^g				
Research and development	38.9	39.2	18.5	52.0
Teaching	D	49.0	D	17.0
Management or administration	D	0.0	D	0.0
Professional services and other	19.4	11.8	7.7	31.0
Secondary activity ^g				
Research and development	30.6	D	D	27.0

Table 9-9. Mathematics and statistics research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2025

(Number and percent)

Characteristic	All mathematics and statistics fields	Applied mathematics	Mathematics	Statistics
Teaching	5.6	D	D	D
Management or administration	6.0	D	7.7	D
Professional services and other	12.0	9.8	10.8	14.0
No secondary activity	45.8	43.1	49.2	45.0
Activity unknown	2.7	0.0	1.5	4.8
Postgraduation location (%) ^h				
United States ⁱ	87.8	90.9	83.2	90.8
Midwest	15.7	13.1	16.8	16.3
Northeast	21.7	19.2	19.3	26.2
South	26.9	38.4	24.2	22.0
West	22.4	19.2	21.1	26.2
Outside the United States	12.2	9.1	16.8	9.2
Location unknown	0.0	0.0	0.0	0.0
Postgraduation location in same state as doctorate institution (%)	25.2	28.3	23.6	24.8

D = suppressed to avoid disclosure of confidential information.

^a Other status includes doctorate recipients reporting: no plans to work or study, some other type of postgraduation plans, or definite plans for other full-time degree program.^b Definite postdoctoral training plans excludes doctorate recipients reporting plans for other full-time degree program. Percentages are based on the number of doctorate recipients reporting definite postdoctoral plans for study.^c Other training includes doctorate recipients who reported definite postdoctoral plans for traineeship, internship or clinical residency, or other study.^d Percentages are based on the number of doctorate recipients reporting definite postgraduation plans for employment.^e Industry or business includes doctorate recipients reporting self-employment.^f Other is mainly composed of elementary and secondary schools.^g Percentages are based on the number of doctorate recipients reporting definite postgraduation plans for employment and primary or secondary work activity.^h Percentages are based on the number of doctorate recipients reporting definite postgraduation plans and type of plans.ⁱ United States includes doctorate recipients with an unknown U.S. region of employment after doctorate; thus, the percentages by regions will not sum to the value for United States. See the "Technical Notes" for states or territories included in regions.**Note(s):**

A definite postgraduation commitment includes accepting new employment or a postdoctoral study (postdoc) position or returning to predoctoral employment, while postgraduation employment includes accepting new employment or returning to predoctoral employment that is not a postdoctoral study (postdoc) position. Due to rounding, percentages may not sum to 100. The survey data collection for the field of study changed in 2021, which may affect the data comparisons across years. This table uses the new field taxonomy based on a modified version of the 2020 Classification of Instructional Programs (CIP) codes and does not match data that uses the trend field taxonomy. 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.

Table 9-10. Multidisciplinary/interdisciplinary sciences research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2025

(Number and percent)

Characteristic	All multidisciplinary/ interdisciplinary sciences fields	Interdisciplinary computer sciences	Multidisciplinary/ interdisciplinary sciences, other
Doctorate recipients reporting postgraduation status (number)	1,598	630	968
Definite postdoctoral training plans (%)	21.9	19.8	23.2
Definite employment plans (%)	47.0	50.0	45.0
Seeking employment or study (%)	28.7	28.1	29.1
Other status (%) ^a	2.3	2.1	2.5
Definite postdoctoral training plans (%) ^b			
Postdoc fellowship or research associateship	96.9	96.8	96.9
Other training or unknown ^c	3.1	3.2	3.1
Definite employment plans (%) ^d			
Academe	29.4	22.5	34.4
In tenure track faculty position	46.6	60.6	40.0
Not in tenure track position	46.2	26.8	55.3
Government	5.9	3.5	7.6
Industry or business ^e	58.6	68.6	51.4
Nonprofit organization	3.9	3.8	3.9
Other or unknown ^f	2.3	1.6	2.8
Primary activity ^g			
Research and development	63.9	75.2	55.9
Teaching	16.1	D	D
Management or administration	4.9	D	D
Professional services and other	15.0	14.7	15.3
Secondary activity ^g			
Research and development	17.9	14.7	20.2
Teaching	10.0	9.2	10.6
Management or administration	8.6	6.9	9.9
Professional services and other	18.9	20.9	17.4
No secondary activity	44.7	48.4	42.0
Activity unknown	2.5	2.9	2.3
Postgraduation location (%) ^h			
United States ⁱ	92.1	92.3	92.0
Midwest	12.9	10.2	14.7
Northeast	23.6	23.9	23.4
South	22.5	17.0	26.2
West	32.3	40.5	26.9
Outside the United States	7.7	7.7	7.7
Location unknown	0.2	0.0	0.3
Postgraduation location in same state as doctorate institution (%)	35.6	34.3	36.5
Male doctorate recipients reporting postgraduation status (number)	959	458	501
Definite postdoctoral training plans (%)	19.5	19.2	19.8
Definite employment plans (%)	51.3	51.5	51.1
Seeking employment or study (%)	27.3	26.9	27.7
Other status (%) ^a	1.9	2.4	1.4
Definite postdoctoral training plans (%) ^b			
Postdoc fellowship or research associateship	96.8	95.5	98.0
Other training or unknown ^c	3.2	4.5	2.0

Table 9-10. Multidisciplinary/interdisciplinary sciences research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2025

(Number and percent)

Characteristic	All multidisciplinary/ interdisciplinary sciences fields	Interdisciplinary computer sciences	Multidisciplinary/ interdisciplinary sciences, other
Definite employment plans (%) ^d			
Academe	25.2	20.8	29.3
In tenure track faculty position	46.8	57.1	40.0
Not in tenure track position	45.2	28.6	56.0
Government	5.9	D	D
Industry or business ^e	64.4	71.2	58.2
Nonprofit organization	2.2	D	D
Other or unknown ^f	2.2	1.3	3.1
Primary activity ^g			
Research and development	69.3	76.5	62.7
Teaching	14.2	D	D
Management or administration	2.7	D	D
Professional services and other	13.8	13.5	14.1
Secondary activity ^g			
Research and development	17.5	D	D
Teaching	8.1	7.4	8.8
Management or administration	9.4	D	D
Professional services and other	18.4	21.3	15.7
No secondary activity	46.6	48.7	44.6
Activity unknown	2.6	2.5	2.7
Postgraduation location (%) ^h			
United States ⁱ	91.9	91.7	92.1
Midwest	11.8	9.6	13.8
Northeast	22.7	22.8	22.5
South	21.6	16.4	26.5
West	35.3	42.3	29.0
Outside the United States	8.0	8.3	7.6
Location unknown	0.1	0.0	0.3
Postgraduation location in same state as doctorate institution (%)	34.2	35.5	33.0
Female doctorate recipients reporting postgraduation status (number)	639	172	467
Definite postdoctoral training plans (%)	25.5	21.5	27.0
Definite employment plans (%)	40.5	45.9	38.5
Seeking employment or study (%)	30.8	31.4	30.6
Other status (%) ^a	3.0	1.2	3.6
Definite postdoctoral training plans (%) ^b			
Postdoc fellowship or research associateship	96.9	D	96.0
Other training or unknown ^c	3.1	D	4.0
Definite employment plans (%) ^d			
Academe	37.5	27.8	41.7
In tenure track faculty position	46.4	68.2	40.0
Not in tenure track position	47.4	22.7	54.7
Government	5.8	D	D
Industry or business ^e	47.5	60.8	41.7
Nonprofit organization	6.9	D	D
Other or unknown ^f	2.3	2.5	2.2
Primary activity ^g			
Research and development	53.8	71.1	46.3

Table 9-10. Multidisciplinary/interdisciplinary sciences research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2025

(Number and percent)

Characteristic	All multidisciplinary/ interdisciplinary sciences fields	Interdisciplinary computer sciences	Multidisciplinary/ interdisciplinary sciences, other
Teaching	19.8	10.5	23.7
Management or administration	9.1	0.0	13.0
Professional services and other	17.4	18.4	16.9
Secondary activity ^g			
Research and development	18.6	D	D
Teaching	13.4	14.5	13.0
Management or administration	7.1	D	D
Professional services and other	19.8	19.7	19.8
No secondary activity	41.1	47.4	38.4
Activity unknown	2.3	3.8	1.7
Postgraduation location (%) ^h			
United States ⁱ	92.4	94.0	91.8
Midwest	14.7	12.1	15.7
Northeast	25.1	26.7	24.5
South	23.9	19.0	25.8
West	27.5	35.3	24.5
Outside the United States	7.3	6.0	7.8
Location unknown	0.2	0.0	0.3
Postgraduation location in same state as doctorate institution (%)	37.9	31.0	40.5

D = suppressed to avoid disclosure of confidential information.

^a Other status includes doctorate recipients reporting: no plans to work or study, some other type of postgraduation plans, or definite plans for other full-time degree program.^b Definite postdoctoral training plans excludes doctorate recipients reporting plans for other full-time degree program. Percentages are based on the number of doctorate recipients reporting definite postdoctoral plans for study.^c Other training includes doctorate recipients who reported definite postdoctoral plans for traineeship, internship or clinical residency, or other study.^d Percentages are based on the number of doctorate recipients reporting definite postgraduation plans for employment.^e Industry or business includes doctorate recipients reporting self-employment.^f Other is mainly composed of elementary and secondary schools.^g Percentages are based on the number of doctorate recipients reporting definite postgraduation plans for employment and primary or secondary work activity.^h Percentages are based on the number of doctorate recipients reporting definite postgraduation plans and type of plans.ⁱ United States includes doctorate recipients with an unknown U.S. region of employment after doctorate; thus, the percentages by regions will not sum to the value for United States. See the "Technical Notes" for states or territories included in regions.**Note(s):**

A definite postgraduation commitment includes accepting new employment or a postdoctoral study (postdoc) position or returning to predoctoral employment, while postgraduation employment includes accepting new employment or returning to predoctoral employment that is not a postdoctoral study (postdoc) position. Due to rounding, percentages may not sum to 100. The survey data collection for the field of study changed in 2021, which may affect the data comparisons across years. This table uses the new field taxonomy based on a modified version of the 2020 Classification of Instructional Programs (CIP) codes and does not match data that uses the trend field taxonomy. 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.

Table 9-11. Physical sciences research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2025

(Number and percent)

Characteristic	All physical sciences fields	Astronomy and astrophysics	Chemistry	Materials sciences	Physics
Doctorate recipients reporting postgraduation status (number)	4,848	328	2,370	307	1,843
Definite postdoctoral training plans (%)	36.6	62.5	30.4	30.3	40.9
Definite employment plans (%)	26.5	11.6	29.1	29.3	25.4
Seeking employment or study (%)	35.2	25.3	38.7	39.1	31.7
Other status (%) ^a	1.7	0.6	1.7	1.3	2.0
Definite postdoctoral training plans (%) ^b					
Postdoc fellowship or research associateship	98.4	D	98.3	95.7	98.4
Other training or unknown ^c	1.6	D	1.7	4.3	1.6
Definite employment plans (%) ^d					
Academe	18.7	D	18.1	D	19.7
In tenure track faculty position	22.1	D	D	D	25.0
Not in tenure track position	71.3	85.7	74.4	66.7	65.2
Government	4.8	D	D	D	4.1
Industry or business ^e	70.8	47.4	70.6	84.4	70.3
Nonprofit organization	3.4	D	D	D	3.2
Other or unknown ^f	2.3	0.0	2.0	3.3	2.8
Primary activity ^g					
Research and development	66.2	51.4	68.7	73.3	62.2
Teaching	13.7	D	14.5	D	D
Management or administration	2.5	D	2.8	D	D
Professional services and other	17.7	24.3	14.0	16.3	22.9
Secondary activity ^g					
Research and development	15.1	D	12.7	D	19.2
Teaching	2.4	D	2.7	D	1.3
Management or administration	14.5	D	19.8	D	7.2
Professional services and other	13.0	D	8.8	D	18.6
No secondary activity	55.0	59.5	56.0	52.3	53.7
Activity unknown	2.1	2.6	1.7	4.4	2.1
Postgraduation location (%) ^h					
United States ⁱ	89.8	83.5	94.3	92.3	85.5
Midwest	16.4	11.1	18.6	17.5	14.8
Northeast	22.3	23.0	23.7	18.6	21.0
South	22.1	20.6	25.5	18.6	19.1
West	28.3	28.8	25.7	37.7	29.8
Outside the United States	10.1	16.5	5.7	7.7	14.3
Location unknown	0.1	0.0	0.1	0.0	0.2
Postgraduation location in same state as doctorate institution (%)	33.0	26.7	35.9	38.8	30.0
Male doctorate recipients reporting postgraduation status (number)	3,170	210	1,332	191	1,437
Definite postdoctoral training plans (%)	39.6	60.0	34.6	33.0	42.1
Definite employment plans (%)	25.1	12.4	26.7	28.8	24.9
Seeking employment or study (%)	33.8	27.6	37.0	37.2	31.2
Other status (%) ^a	1.5	0.0	1.5	1.0	1.7
Definite postdoctoral training plans (%) ^b					
Postdoc fellowship or research associateship	98.8	D	98.7	98.4	98.7
Other training or unknown ^c	1.2	D	1.3	1.6	1.3
Definite employment plans (%) ^d					
Academe	17.5	26.9	17.1	10.9	18.2
In tenure track faculty position	25.2	D	D	D	20.0

Table 9-11. Physical sciences research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2025

(Number and percent)

Characteristic	All physical sciences fields	Astronomy and astrophysics	Chemistry	Materials sciences	Physics
Not in tenure track position	69.8	D	D	D	72.3
Government	4.9	D	5.3	D	D
Industry or business ^e	72.2	D	73.0	D	71.2
Nonprofit organization	3.1	D	2.8	0.0	D
Other or unknown ^f	2.3	0.0	1.7	5.5	2.5
Primary activity ^g					
Research and development	68.7	52.0	71.8	75.0	65.9
Teaching	12.7	D	13.5	D	D
Management or administration	2.1	D	2.6	D	D
Professional services and other	16.5	D	12.1	D	19.9
Secondary activity ^g					
Research and development	14.0	D	11.8	D	16.5
Teaching	1.5	0.0	2.0	D	D
Management or administration	14.2	D	21.3	13.5	D
Professional services and other	16.2	D	10.6	D	21.3
No secondary activity	54.1	56.0	54.3	50.0	54.3
Activity unknown	2.3	3.8	2.2	5.5	1.7
Postgraduation location (%) ^h					
United States ⁱ	89.1	D	93.4	D	85.3
Midwest	16.3	13.2	18.1	22.9	14.5
Northeast	22.0	D	24.8	D	19.9
South	22.2	21.7	25.3	19.5	19.9
West	28.2	30.3	24.7	33.1	30.3
Outside the United States	10.7	D	6.6	D	14.4
Location unknown	0.1	0.0	0.0	0.0	0.3
Postgraduation location in same state as doctorate institution (%)	32.9	30.3	35.3	39.0	30.6
Female doctorate recipients reporting postgraduation status (number)	1,678	118	1,038	116	406
Definite postdoctoral training plans (%)	30.8	66.9	25.0	25.9	36.5
Definite employment plans (%)	29.3	10.2	32.2	30.2	27.1
Seeking employment or study (%)	37.8	21.2	40.8	42.2	33.5
Other status ^a	2.1	1.7	1.9	1.7	3.0
Definite postdoctoral training plans (%) ^b					
Postdoc fellowship or research associateship	97.5	D	97.7	90.0	97.3
Other training or unknown ^c	2.5	D	2.3	10.0	2.7
Definite employment plans (%) ^d					
Academe	20.6	D	19.2	D	24.5
In tenure track faculty position	17.8	D	D	0.0	37.0
Not in tenure track position	73.3	71.4	D	D	48.1
Government	4.7	D	D	0.0	D
Industry or business ^e	68.4	D	68.0	D	67.3
Nonprofit organization	3.9	0.0	D	D	D
Other or unknown ^f	2.4	0.0	2.4	0.0	3.6
Primary activity ^g					
Research and development	62.0	50.0	65.5	70.6	50.0
Teaching	15.1	D	15.5	D	D
Management or administration	3.1	D	3.0	D	D
Professional services and other	19.7	D	16.1	D	33.0
Secondary activity ^g					
Research and development	16.8	D	13.6	D	28.3

Table 9-11. Physical sciences research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2025

(Number and percent)

Characteristic	All physical sciences fields	Astronomy and astrophysics	Chemistry	Materials sciences	Physics
Teaching	3.7	D	3.3	D	D
Management or administration	14.9	D	18.2	D	D
Professional services and other	7.9	0.0	7.0	14.7	9.4
No secondary activity	56.6	66.7	57.9	55.9	51.9
Activity unknown	1.8	0.0	1.2	2.9	3.6
Postgraduation location (%) ^h					
United States ⁱ	91.2	D	95.5	D	86.4
Midwest	16.7	7.7	19.4	7.7	15.9
Northeast	23.0	D	22.2	D	25.2
South	22.0	18.7	25.8	16.9	15.9
West	28.5	26.4	27.1	46.2	27.9
Outside the United States	8.7	D	4.4	D	13.6
Location unknown	0.1	0.0	0.2	0.0	0.0
Postgraduation location in same state as doctorate institution (%)	33.0	20.9	36.7	38.5	27.5

D = suppressed to avoid disclosure of confidential information.

^a Other status includes doctorate recipients reporting: no plans to work or study, some other type of postgraduation plans, or definite plans for other full-time degree program.^b Definite postdoctoral training plans excludes doctorate recipients reporting plans for other full-time degree program. Percentages are based on the number of doctorate recipients reporting definite postdoctoral plans for study.^c Other training includes doctorate recipients who reported definite postdoctoral plans for traineeship, internship or clinical residency, or other study.^d Percentages are based on the number of doctorate recipients reporting definite postgraduation plans for employment.^e Industry or business includes doctorate recipients reporting self-employment.^f Other is mainly composed of elementary and secondary schools.^g Percentages are based on the number of doctorate recipients reporting definite postgraduation plans for employment and primary or secondary work activity.^h Percentages are based on the number of doctorate recipients reporting definite postgraduation plans and type of plans.ⁱ United States includes doctorate recipients with an unknown U.S. region of employment after doctorate; thus, the percentages by regions will not sum to the value for United States. See the "Technical Notes" for states or territories included in regions.**Note(s):**

A definite postgraduation commitment includes accepting new employment or a postdoctoral study (postdoc) position or returning to predoctoral employment, while postgraduation employment includes accepting new employment or returning to predoctoral employment that is not a postdoctoral study (postdoc) position. Due to rounding, percentages may not sum to 100. The survey data collection for the field of study changed in 2021, which may affect the data comparisons across years. This table uses the new field taxonomy based on a modified version of the 2020 Classification of Instructional Programs (CIP) codes and does not match data that uses the trend field taxonomy. 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.

Table 9-12. Psychology research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2025

(Number and percent)

Characteristic	All psychology fields	Clinical psychology	Counseling and applied psychology	Research and experimental psychology	Psychology, other
Doctorate recipients reporting postgraduation status (number)	3,337	999	1,143	815	380
Definite postdoctoral training plans (%)	44.9	74.7	37.6	27.4	25.8
Definite employment plans (%)	32.0	15.8	40.9	36.4	38.7
Seeking employment or study (%)	20.9	7.6	19.2	34.6	32.1
Other status (%) ^a	2.0	1.7	2.3	1.5	3.4
Definite postdoctoral training plans (%) ^b					
Postdoc fellowship or research associateship	85.4	82.8	81.9	97.8	91.8
Other training or unknown ^c	14.6	17.2	18.1	2.2	8.2
Definite employment plans (%) ^d					
Academe	40.0	26.6	35.3	51.5	46.3
In tenure track faculty position	36.9	45.2	35.8	39.9	27.9
Not in tenure track position	59.8	50.0	61.2	56.9	69.1
Government	12.0	32.9	10.7	6.1	5.4
Industry or business ^e	29.7	27.2	30.2	29.6	30.6
Nonprofit organization	10.1	8.9	10.3	9.8	11.6
Other or unknown ^f	8.2	4.4	13.5	3.0	6.1
Primary activity ^g					
Research and development	23.7	D	16.7	40.0	D
Teaching	25.0	11.6	18.7	36.2	35.7
Management or administration	7.8	D	11.2	3.8	D
Professional services and other	43.5	73.5	53.3	20.0	29.4
Secondary activity ^g					
Research and development	24.1	18.4	20.5	30.0	29.4
Teaching	14.3	13.6	18.5	10.3	9.8
Management or administration	13.0	10.2	13.7	11.7	16.1
Professional services and other	11.6	9.5	10.6	13.8	12.6
No secondary activity	37.0	48.3	36.8	34.1	32.2
Activity unknown	3.3	7.0	2.8	2.4	2.7
Postgraduation location (%) ^h					
United States ⁱ	97.4	98.7	97.5	95.2	96.7
Midwest	20.3	17.9	24.4	19.0	17.1
Northeast	22.6	28.1	17.9	22.3	19.6
South	29.3	24.2	32.9	29.4	34.3
West	24.7	28.2	21.4	24.0	25.3
Outside the United States	2.5	1.2	2.3	4.6	3.3
Location unknown	0.1	0.1	0.1	0.2	0.0
Postgraduation location in same state as doctorate institution (%)	35.7	30.2	39.9	34.4	42.9
Male doctorate recipients reporting postgraduation status (number)	780	196	267	236	81
Definite postdoctoral training plans (%)	37.6	69.9	29.6	23.7	25.9
Definite employment plans (%)	37.4	18.9	47.6	39.0	44.4
Seeking employment or study (%)	23.1	9.7	20.6	36.0	25.9
Other status (%) ^a	1.8	1.0	2.2	1.3	3.7
Definite postdoctoral training plans (%) ^b					
Postdoc fellowship or research associateship	85.3	79.6	83.5	98.2	95.2
Other training or unknown ^c	14.7	20.4	16.5	1.8	4.8

Table 9-12. Psychology research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2025

(Number and percent)

Characteristic	All psychology fields	Clinical psychology	Counseling and applied psychology	Research and experimental psychology	Psychology, other
Definite employment plans (%) ^d					
Academe	40.1	27.0	33.9	54.3	38.9
In tenure track faculty position	36.8	D	34.9	D	35.7
Not in tenure track position	61.5	D	62.8	D	64.3
Government	13.7	D	11.8	7.6	D
Industry or business ^e	32.2	29.7	37.0	26.1	33.3
Nonprofit organization	8.6	D	7.1	10.9	D
Other or unknown ^f	5.5	2.7	10.2	1.1	2.8
Primary activity ^g					
Research and development	25.8	D	18.9	44.9	D
Teaching	26.5	D	17.2	D	38.2
Management or administration	5.7	D	8.2	D	D
Professional services and other	41.9	73.5	55.7	13.5	35.3
Secondary activity ^g					
Research and development	24.4	32.4	20.5	25.8	26.5
Teaching	15.4	D	20.5	11.2	D
Management or administration	12.2	D	9.8	14.6	D
Professional services and other	14.0	D	13.1	16.9	D
No secondary activity	34.1	32.4	36.1	31.5	35.3
Activity unknown	4.5	8.1	3.9	3.3	5.6
Postgraduation location (%) ^h					
United States ⁱ	96.4	D	97.1	95.9	D
Midwest	19.3	D	25.2	19.6	D
Northeast	21.2	27.6	17.5	21.6	14.0
South	29.7	26.4	31.6	33.1	24.6
West	25.6	28.7	21.8	21.6	40.4
Outside the United States	3.6	D	2.9	4.1	D
Location unknown	0.0	0.0	0.0	0.0	0.0
Postgraduation location in same state as doctorate institution (%)	33.2	24.7	35.4	35.1	45.6
Female doctorate recipients reporting postgraduation status (number)	2,557	803	876	579	299
Definite postdoctoral training plans (%)	47.1	75.8	40.1	28.8	25.8
Definite employment plans (%)	30.4	15.1	38.8	35.4	37.1
Seeking employment or study (%)	20.3	7.1	18.7	34.0	33.8
Other status (%) ^a	2.1	1.9	2.3	1.6	3.3
Definite postdoctoral training plans (%) ^b					
Postdoc fellowship or research associateship	85.4	83.6	81.5	97.6	90.9
Other training or unknown ^c	14.6	16.4	18.5	2.4	9.1
Definite employment plans (%) ^d					
Academe	40.0	26.4	35.9	50.2	48.6
In tenure track faculty position	37.0	D	36.1	D	25.9
Not in tenure track position	59.2	D	60.7	D	70.4
Government	11.3	D	10.3	5.4	D
Industry or business ^e	28.7	26.4	27.6	31.2	29.7
Nonprofit organization	10.7	D	11.5	9.3	D
Other or unknown ^f	9.3	5.0	14.7	3.9	7.2
Primary activity ^g					
Research and development	22.9	14.2	16.0	37.8	25.7

Table 9-12. Psychology research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2025

(Number and percent)

Characteristic	All psychology fields	Clinical psychology	Counseling and applied psychology	Research and experimental psychology	Psychology, other
Teaching	24.4	D	19.3	D	34.9
Management or administration	8.6	D	12.3	D	11.9
Professional services and other	44.1	73.5	52.4	22.9	27.5
Secondary activity ^g					
Research and development	24.0	14.2	20.5	31.8	30.3
Teaching	13.9	D	17.8	10.0	D
Management or administration	13.2	D	15.1	10.4	D
Professional services and other	10.7	D	9.6	12.4	D
No secondary activity	38.1	53.1	37.0	35.3	31.2
Activity unknown	2.8	6.6	2.4	2.0	1.8
Postgraduation location (%) ^h					
United States ⁱ	97.7	D	97.7	94.9	D
Midwest	20.6	D	24.2	18.8	D
Northeast	23.0	28.2	18.1	22.6	21.3
South	29.1	23.7	33.3	28.0	37.2
West	24.4	28.1	21.3	25.0	20.7
Outside the United States	2.2	D	2.2	4.8	D
Location unknown	0.2	0.1	0.1	0.3	0.0
Postgraduation location in same state as doctorate institution (%)	36.4	31.5	41.2	34.1	42.0

D = suppressed to avoid disclosure of confidential information.

^a Other status includes doctorate recipients reporting: no plans to work or study, some other type of postgraduation plans, or definite plans for other full-time degree program.^b Definite postdoctoral training plans excludes doctorate recipients reporting plans for other full-time degree program. Percentages are based on the number of doctorate recipients reporting definite postdoctoral plans for study.^c Other training includes doctorate recipients who reported definite postdoctoral plans for traineeship, internship or clinical residency, or other study.^d Percentages are based on the number of doctorate recipients reporting definite postgraduation plans for employment.^e Industry or business includes doctorate recipients reporting self-employment.^f Other is mainly composed of elementary and secondary schools.^g Percentages are based on the number of doctorate recipients reporting definite postgraduation plans for employment and primary or secondary work activity.^h Percentages are based on the number of doctorate recipients reporting definite postgraduation plans and type of plans.ⁱ United States includes doctorate recipients with an unknown U.S. region of employment after doctorate; thus, the percentages by regions will not sum to the value for United States. See the "Technical Notes" for states or territories included in regions.**Note(s):**

A definite postgraduation commitment includes accepting new employment or a postdoctoral study (postdoc) position or returning to predoctoral. The survey data collection for the field of study changed in 2021, which may affect the data comparisons across years. This table uses the new field taxonomy based on a modified version of the 2020 Classification of Instructional Programs (CIP) codes and does not match data that uses the trend field taxonomy. 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.

Table 9-13. Social sciences research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2025

(Number and percent)

Characteristic	All social sciences fields	Anthropology	Area, ethnic, cultural, gender, and group studies	Economics	Political science and government	Public policy analysis	Sociology, demography, and population studies	Social sciences, other
Doctorate recipients reporting postgraduation status (number)	4,472	387	381	1,239	573	364	549	979
Definite postdoctoral training plans (%)	21.3	29.5	20.7	19.2	29.0	15.1	22.6	18.2
Definite employment plans (%)	50.5	32.3	39.4	60.8	44.3	58.5	50.8	49.4
Seeking employment or study (%)	25.5	34.9	36.2	18.5	23.9	23.9	23.3	29.4
Other status (%) ^a	2.5	3.4	3.7	1.3	2.8	2.5	3.1	3.0
Definite postdoctoral training plans (%) ^b								
Postdoc fellowship or research associateship	97.4	97.4	93.7	97.1	98.8	96.4	97.6	98.3
Other training or unknown ^c	2.6	2.6	6.3	2.9	1.2	3.6	2.4	1.7
Definite employment plans (%) ^d								
Academe	56.3	65.6	76.0	47.8	68.1	35.7	70.6	55.8
In tenure track faculty position	52.9	40.2	36.0	73.6	54.9	39.5	48.2	42.2
Not in tenure track position	43.7	57.3	61.4	23.6	43.9	55.3	46.2	53.7
Government	12.3	12.8	5.3	13.5	7.5	23.5	9.0	12.0
Industry or business ^e	18.2	10.4	6.7	28.6	12.6	13.6	9.3	18.0
Nonprofit organization	9.7	8.8	8.0	6.9	8.7	17.4	9.7	11.8
Other or unknown ^f	3.5	2.4	4.0	3.2	3.1	9.9	1.4	2.5
Primary activity ^g								
Research and development	40.7	26.2	12.3	53.3	37.2	39.2	45.8	33.3
Teaching	31.3	44.3	62.3	19.9	42.1	12.3	37.4	35.2
Management or administration	9.9	10.7	11.6	2.0	10.1	29.4	8.1	13.9
Professional services and other	18.0	18.9	13.7	24.7	10.5	19.1	8.8	17.5
Secondary activity ^g								
Research and development	29.8	37.7	44.5	26.1	32.0	16.7	32.2	32.1
Teaching	22.9	17.2	15.8	28.4	28.7	17.6	23.1	17.1
Management or administration	10.3	9.0	11.0	10.2	7.3	12.3	10.3	11.4
Professional services and other	9.9	6.6	4.1	11.1	4.5	18.6	11.0	9.3
No secondary activity	27.1	29.5	24.7	24.3	27.5	34.8	23.4	30.2
Activity unknown	2.6	2.4	2.7	2.7	2.8	4.2	2.2	2.1
Postgraduation location (%) ^h								
United States ⁱ	83.9	87.4	89.5	76.5	81.4	92.5	90.8	85.8
Midwest	14.1	15.5	18.8	11.7	14.8	10.8	17.9	14.0
Northeast	21.0	26.8	26.2	19.1	23.1	19.4	23.1	18.0
South	29.2	22.2	18.3	27.9	30.0	42.5	31.0	30.4
West	19.2	22.6	24.9	17.3	13.3	19.8	18.4	23.1
Outside the United States	15.9	12.1	10.5	23.5	18.3	7.5	9.2	13.9

Table 9-13. Social sciences research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2025

(Number and percent)

Characteristic	All social sciences fields	Anthropology	Area, ethnic, cultural, gender, and group studies	Economics	Political science and government	Public policy analysis	Sociology, demography, and population studies	Social sciences, other
Location unknown	0.1	0.4	0.0	0.0	0.2	0.0	0.0	0.3
Postgraduation location in same state as doctorate institution (%)	31.0	32.6	40.2	21.5	26.0	44.0	32.3	38.8
Male doctorate recipients reporting postgraduation status (number)	2,080	119	139	787	319	138	188	390
Definite postdoctoral training plans (%)	21.0	30.3	23.7	18.9	28.5	18.1	22.9	15.1
Definite employment plans (%)	52.1	28.6	33.8	62.4	43.3	52.2	51.6	52.6
Seeking employment or study (%)	24.5	38.7	38.1	17.2	25.1	26.8	22.3	30.0
Other status (%) ^a	2.3	2.5	4.3	1.4	3.1	2.9	2.7	2.3
Definite postdoctoral training plans (%) ^b								
Postdoc fellowship or research associateship	97.2	94.4	90.9	97.3	98.9	D	D	96.6
Other training or unknown ^c	2.8	5.6	9.1	2.7	1.1	D	D	3.4
Definite employment plans (%) ^d								
Academe	57.2	76.5	85.1	47.0	71.7	36.1	74.2	61.5
In tenure track faculty position	56.0	38.5	40.0	74.5	50.5	46.2	45.8	42.9
Not in tenure track position	40.0	61.5	52.5	22.1	47.5	46.2	50.0	51.6
Government	13.4	D	D	14.9	8.0	27.8	7.2	13.7
Industry or business ^e	19.1	D	0.0	D	10.9	11.1	8.2	15.6
Nonprofit organization	7.5	D	D	D	7.2	18.1	9.3	6.8
Other or unknown ^f	2.9	0.0	4.3	3.1	2.2	6.9	1.0	2.4
Primary activity ^g								
Research and development	43.5	35.3	10.9	57.3	37.0	41.4	38.7	26.9
Teaching	31.9	47.1	76.1	17.6	46.7	12.9	40.9	45.8
Management or administration	7.7	D	D	D	9.6	25.7	7.5	13.4
Professional services and other	16.9	D	D	D	6.7	20.0	12.9	13.9
Secondary activity ^g								
Research and development	30.4	38.2	52.2	23.4	37.0	21.4	32.3	38.3
Teaching	24.9	14.7	17.4	29.7	29.6	21.4	28.0	13.4
Management or administration	10.4	D	10.9	D	5.9	8.6	9.7	11.4
Professional services and other	9.4	D	0.0	D	3.7	21.4	8.6	8.5
No secondary activity	25.0	20.6	19.6	25.1	23.7	27.1	21.5	28.4
Activity unknown	2.5	0.0	2.1	2.6	2.2	2.8	4.1	2.0
Postgraduation location (%) ^h								
United States ⁱ	79.9	84.3	88.8	73.6	78.2	88.7	90.7	83.7
Midwest	12.2	10.0	16.3	11.1	14.8	10.3	17.9	9.8
Northeast	20.8	31.4	33.8	18.1	21.0	22.7	27.1	16.3

Table 9-13. Social sciences research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2025

(Number and percent)

Characteristic	All social sciences fields	Anthropology	Area, ethnic, cultural, gender, and group studies	Economics	Political science and government	Public policy analysis	Sociology, demography, and population studies	Social sciences, other
South	28.4	20.0	13.8	27.2	31.0	39.2	25.0	33.7
West	18.1	22.9	23.8	16.9	10.9	16.5	20.7	23.5
Outside the United States	20.1	15.7	11.3	26.4	21.4	11.3	9.3	16.3
Location unknown	0.1	0.0	0.0	0.0	0.4	0.0	0.0	0.0
Postgraduation location in same state as doctorate institution (%)	28.4	30.0	41.3	20.2	24.5	47.4	31.4	38.6
Female doctorate recipients reporting postgraduation status (number)	2,392	268	242	452	254	226	361	589
Definite postdoctoral training plans (%)	21.7	29.1	19.0	19.7	29.5	13.3	22.4	20.2
Definite employment plans (%)	49.1	34.0	42.6	58.0	45.7	62.4	50.4	47.4
Seeking employment or study (%)	26.4	33.2	35.1	20.8	22.4	22.1	23.8	29.0
Other status (%) ^a	2.8	3.7	3.3	1.1	2.4	2.2	3.3	3.4
Definite postdoctoral training plans (%) ^b								
Postdoc fellowship or research associateship	97.5	98.7	95.7	96.6	98.7	93.3	96.3	99.2
Other training or unknown ^c	2.5	1.3	4.3	3.4	1.3	6.7	3.7	0.8
Definite employment plans (%) ^d								
Academe	55.5	61.5	71.8	49.2	63.8	35.5	68.7	51.6
In tenure track faculty position	50.0	41.1	33.8	72.1	60.8	36.0	49.6	41.7
Not in tenure track position	47.2	55.4	66.2	26.4	39.2	60.0	44.0	55.6
Government	11.3	D	D	11.1	6.9	21.3	9.9	10.8
Industry or business ^e	17.5	D	9.7	D	14.7	14.9	9.9	19.7
Nonprofit organization	11.7	D	D	D	10.3	17.0	9.9	15.4
Other or unknown ^f	4.0	3.3	3.9	3.4	4.3	11.3	1.6	2.5
Primary activity ^g								
Research and development	38.2	22.7	13.0	45.9	37.5	38.1	49.4	38.1
Teaching	30.8	43.2	56.0	24.3	36.6	11.9	35.6	27.5
Management or administration	12.0	D	D	D	10.7	31.3	8.3	14.3
Professional services and other	19.0	D	D	D	15.2	18.7	6.7	20.1
Secondary activity ^g								
Research and development	29.2	37.5	41.0	31.0	25.9	14.2	32.2	27.5
Teaching	21.0	18.2	15.0	25.9	27.7	15.7	20.6	19.8
Management or administration	10.2	D	11.0	D	8.9	14.2	10.6	11.4
Professional services and other	10.4	D	6.0	D	5.4	17.2	12.2	9.9
No secondary activity	29.1	33.0	27.0	22.7	32.1	38.8	24.4	31.5
Activity unknown	2.7	3.3	2.9	2.7	3.4	5.0	1.1	2.2
Postgraduation location (%) ^h								

Table 9-13. Social sciences research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2025

(Number and percent)

Characteristic	All social sciences fields	Anthropology	Area, ethnic, cultural, gender, and group studies	Economics	Political science and government	Public policy analysis	Sociology, demography, and population studies	Social sciences, other
United States ⁱ	87.6	88.8	89.9	81.8	85.3	94.7	90.9	87.2
Midwest	15.7	17.8	20.1	12.8	14.7	11.1	17.9	16.8
Northeast	21.2	24.9	22.1	20.8	25.7	17.5	20.9	19.1
South	29.8	23.1	20.8	29.1	28.8	44.4	34.2	28.1
West	20.3	22.5	25.5	17.9	16.2	21.6	17.1	22.9
Outside the United States	12.2	10.7	10.1	18.2	14.7	5.3	9.1	12.3
Location unknown	0.2	0.6	0.0	0.0	0.0	0.0	0.0	0.5
Postgraduation location in same state as doctorate institution (%)	33.5	33.7	39.6	23.9	27.7	42.1	32.7	38.9

D = suppressed to avoid disclosure of confidential information.

^a Other status includes doctorate recipients reporting: no plans to work or study, some other type of postgraduation plans, or definite plans for other full-time degree program.

^b Definite postdoctoral training plans excludes doctorate recipients reporting plans for other full-time degree program. Percentages are based on the number of doctorate recipients reporting definite postdoctoral plans for study.

^c Other training includes doctorate recipients who reported definite postdoctoral plans for traineeship, internship or clinical residency, or other study.

^d Percentages are based on the number of doctorate recipients reporting definite postgraduation plans for employment.

^e Industry or business includes doctorate recipients reporting self-employment.

^f Other is mainly composed of elementary and secondary schools.

^g Percentages are based on the number of doctorate recipients reporting definite postgraduation plans for employment and primary or secondary work activity.

^h Percentages are based on the number of doctorate recipients reporting definite postgraduation plans and type of plans.

ⁱ United States includes doctorate recipients with an unknown U.S. region of employment after doctorate; thus, the percentages by regions will not sum to the value for United States. See the "[Technical Notes](#)" for states or territories included in regions.

Note(s):

A definite postgraduation commitment includes accepting new employment or a postdoctoral study (postdoc) position or returning to predoctoral employment, while postgraduation employment includes accepting new employment or returning to predoctoral employment that is not a postdoctoral study (postdoc) position. Due to rounding, percentages may not sum to 100. The survey data collection for the field of study changed in 2021, which may affect the data comparisons across years. This table uses the new field taxonomy based on a modified version of the 2020 Classification of Instructional Programs (CIP) codes and does not match data that uses the trend field taxonomy. 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.

Table 9-14. Education research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2025

(Number and percent)

Characteristic	All education fields	Education leadership and administration	Education research	Teacher education and teaching fields	Education, other
Doctorate recipients reporting postgraduation status (number)	3,522	1,087	1,019	1,030	386
Definite postdoctoral training plans (%)	5.8	2.7	6.8	7.5	7.3
Definite employment plans (%)	66.7	75.3	63.9	61.9	62.4
Seeking employment or study (%)	24.8	19.8	26.2	27.4	28.5
Other status (%) ^a	2.7	2.0	3.1	3.2	1.8
Definite postdoctoral training plans (%) ^b					
Postdoc fellowship or research associateship	94.6	89.7	97.1	93.5	96.4
Other training or unknown ^c	5.4	10.3	2.9	6.5	3.6
Definite employment plans (%) ^d					
Academe	52.6	54.7	51.5	53.1	47.3
In tenure track faculty position	27.2	13.2	29.0	42.5	31.6
Not in tenure track position	69.1	84.2	66.6	53.7	63.2
Government	4.2	4.4	4.5	4.2	2.9
Industry or business ^e	7.8	5.3	13.1	6.6	5.4
Nonprofit organization	7.4	6.5	9.8	5.6	8.7
Other or unknown ^f	28.0	29.2	21.2	30.4	35.7
Primary activity ^g					
Research and development	11.0	6.6	16.3	10.6	12.3
Teaching	39.5	19.9	39.4	61.6	48.0
Management or administration	36.2	63.2	22.7	17.7	29.5
Professional services and other	13.3	10.3	21.6	10.1	10.1
Secondary activity ^g					
Research and development	22.8	14.5	23.5	33.2	21.6
Teaching	18.8	19.9	21.0	16.1	16.3
Management or administration	10.8	10.9	12.3	9.8	9.3
Professional services and other	10.4	12.3	11.7	7.7	7.5
No secondary activity	37.2	42.4	31.5	33.2	45.4
Activity unknown	3.2	2.6	4.0	2.4	5.8
Postgraduation location (%) ^h					
United States ⁱ	94.7	95.4	95.8	92.4	95.2
Midwest	18.3	21.0	17.2	16.5	17.8
Northeast	16.7	14.5	16.4	17.8	21.6
South	42.0	45.2	42.9	44.1	24.2
West	17.1	14.3	18.8	13.3	31.6
Outside the United States	5.3	4.4	4.2	7.6	4.8
Location unknown	0.1	0.2	0.0	0.0	0.0
Postgraduation location in same state as doctorate institution (%)	63.3	69.5	60.7	58.9	62.8
Male doctorate recipients reporting postgraduation status (number)	930	321	271	247	91
Definite postdoctoral training plans (%)	5.9	3.4	8.9	5.7	6.6
Definite employment plans (%)	68.8	76.0	63.1	67.2	64.8
Seeking employment or study (%)	22.7	18.7	24.0	25.1	26.4
Other status (%) ^a	2.5	1.6	4.1	2.0	2.2
Definite postdoctoral training plans (%) ^b					
Postdoc fellowship or research associateship	96.4	90.9	D	D	83.3
Other training or unknown ^c	3.6	9.1	D	D	16.7
Definite employment plans (%) ^d					

Table 9-14. Education research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2025

(Number and percent)

Characteristic	All education fields	Education leadership and administration	Education research	Teacher education and teaching fields	Education, other
Academe	55.5	54.1	52.6	61.4	52.5
In tenure track faculty position	30.7	13.6	34.4	48.0	35.5
Not in tenure track position	65.1	83.3	62.2	47.1	54.8
Government	4.7	D	5.3	6.6	D
Industry or business ^e	8.0	D	14.0	5.4	D
Nonprofit organization	7.0	D	9.4	3.0	D
Other or unknown ^f	24.8	27.9	18.7	23.5	33.9
Primary activity ^g					
Research and development	11.5	D	19.9	10.5	D
Teaching	38.5	18.1	38.6	62.3	57.4
Management or administration	39.4	66.0	22.9	21.0	27.8
Professional services and other	10.6	D	18.7	6.2	D
Secondary activity ^g					
Research and development	24.4	D	24.1	41.4	D
Teaching	18.5	20.6	18.1	17.3	14.8
Management or administration	12.1	D	16.3	9.3	D
Professional services and other	11.6	12.2	14.5	8.0	11.1
No secondary activity	33.4	41.2	27.1	24.1	46.3
Activity unknown	3.1	2.5	2.9	2.4	8.5
Postgraduation location (%) ^h					
United States ⁱ	92.5	96.5	93.3	D	D
Midwest	19.4	25.1	15.9	14.4	21.5
Northeast	15.5	13.7	17.9	15.0	16.9
South	40.9	43.5	42.1	40.6	27.7
West	15.5	12.9	16.4	D	D
Outside the United States	7.3	3.1	6.7	D	D
Location unknown	0.1	0.4	0.0	0.0	0.0
Postgraduation location in same state as doctorate institution (%)	58.6	67.1	57.9	45.6	63.1
Female doctorate recipients reporting postgraduation status (number)	2,592	766	748	783	295
Definite postdoctoral training plans (%)	5.7	2.3	6.0	8.0	7.5
Definite employment plans (%)	65.9	75.1	64.2	60.3	61.7
Seeking employment or study (%)	25.6	20.2	27.0	28.1	29.2
Other status (%) ^a	2.7	2.2	2.8	3.6	1.7
Definite postdoctoral training plans (%) ^b					
Postdoc fellowship or research associateship	93.9	88.9	95.6	92.1	D
Other training or unknown ^c	6.1	11.1	4.4	7.9	D
Definite employment plans (%) ^d					
Academe	51.6	55.0	51.0	50.2	45.6
In tenure track faculty position	25.8	13.0	26.9	40.1	30.1
Not in tenure track position	70.7	84.5	68.2	56.5	66.3
Government	4.0	D	4.2	3.4	D
Industry or business ^e	7.7	D	12.7	7.0	D
Nonprofit organization	7.5	D	10.0	6.6	D
Other or unknown ^f	29.1	29.7	22.1	32.8	36.3
Primary activity ^g					
Research and development	10.8	D	15.0	10.6	D
Teaching	39.9	20.7	39.7	61.4	45.1
Management or administration	35.0	62.0	22.7	16.5	30.1

Table 9-14. Education research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2025

(Number and percent)

Characteristic	All education fields	Education leadership and administration	Education research	Teacher education and teaching fields	Education, other
Professional services and other	14.3	D	22.7	11.5	D
Secondary activity ^g					
Research and development	22.3	D	23.3	30.4	D
Teaching	18.9	19.6	22.0	15.6	16.8
Management or administration	10.3	D	10.9	10.0	D
Professional services and other	9.9	12.3	10.7	7.6	6.4
No secondary activity	38.6	42.9	33.1	36.4	45.1
Activity unknown	3.3	2.6	4.4	2.3	4.9
Postgraduation location (%) ^h					
United States ⁱ	95.5	94.9	96.8	D	D
Midwest	17.9	19.2	17.7	17.2	16.7
Northeast	17.1	14.8	15.8	18.7	23.0
South	42.4	45.9	43.2	45.2	23.0
West	17.7	14.8	19.6	D	D
Outside the United States	4.5	4.9	3.2	D	D
Location unknown	0.1	0.2	0.0	0.0	0.0
Postgraduation location in same state as doctorate institution (%)	65.1	70.5	61.7	63.4	62.7

D = suppressed to avoid disclosure of confidential information.

^a Other status includes doctorate recipients reporting: no plans to work or study, some other type of postgraduation plans, or definite plans for other full-time degree program.^b Definite postdoctoral training plans excludes doctorate recipients reporting plans for other full-time degree program. Percentages are based on the number of doctorate recipients reporting definite postdoctoral plans for study.^c Other training includes doctorate recipients who reported definite postdoctoral plans for traineeship, internship or clinical residency, or other study.^d Percentages are based on the number of doctorate recipients reporting definite postgraduation plans for employment.^e Industry or business includes doctorate recipients reporting self-employment.^f Other is mainly composed of elementary and secondary schools.^g Percentages are based on the number of doctorate recipients reporting definite postgraduation plans for employment and primary or secondary work activity.^h Percentages are based on the number of doctorate recipients reporting definite postgraduation plans and type of plans.ⁱ United States includes doctorate recipients with an unknown U.S. region of employment after doctorate; thus, the percentages by regions will not sum to the value for United States. See the "Technical Notes" for states or territories included in regions.**Note(s):**

A definite postgraduation commitment includes accepting new employment or a postdoctoral study (postdoc) position or returning to predoctoral employment, while postgraduation employment includes accepting new employment or returning to predoctoral employment that is not a postdoctoral study (postdoc) position. Due to rounding, percentages may not sum to 100. The survey data collection for the field of study changed in 2021, which may affect the data comparisons across years. This table uses the new field taxonomy based on a modified version of the 2020 Classification of Instructional Programs (CIP) codes and does not match data that uses the trend field taxonomy. 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.

Table 9-15. Humanities research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2025

(Number and percent)

Characteristic	All humanities fields	English language and literature, letters	Foreign languages, literatures, and linguistics	History	Philosophy and religious studies	Humanities, other
Doctorate recipients reporting postgraduation status (number)	2,931	873	469	711	538	340
Definite postdoctoral training plans (%)	15.3	10.4	11.9	21.9	21.6	8.8
Definite employment plans (%)	46.8	50.3	43.9	42.9	40.0	60.6
Seeking employment or study (%)	33.8	35.2	39.4	31.8	33.8	27.1
Other status (%) ^a	4.0	4.0	4.7	3.4	4.6	3.5
Definite postdoctoral training plans (%) ^b						
Postdoc fellowship or research associateship	95.5	97.8	96.4	96.2	94.0	90.0
Other training or unknown ^c	4.5	2.2	3.6	3.8	6.0	10.0
Definite employment plans (%) ^d						
Academe	68.1	79.0	77.7	61.6	72.6	39.8
In tenure track faculty position	31.9	32.0	29.4	33.0	33.3	31.7
Not in tenure track position	64.5	66.6	69.4	62.2	60.9	58.5
Government	4.3	3.4	D	10.5	2.8	D
Industry or business ^e	8.5	9.1	8.3	9.8	7.9	6.3
Nonprofit organization	12.9	3.9	5.8	10.8	11.6	43.7
Other or unknown ^f	6.2	4.6	D	7.2	5.1	D
Primary activity ^g						
Research and development	9.9	6.7	11.4	14.9	12.0	5.6
Teaching	62.6	65.8	70.6	57.6	63.6	53.8
Management or administration	13.0	13.9	8.5	14.6	10.0	16.2
Professional services and other	14.5	13.6	9.5	12.9	14.4	24.4
Secondary activity ^g						
Research and development	35.3	37.2	38.8	33.9	40.7	23.9
Teaching	15.2	11.1	10.4	16.3	19.6	22.8
Management or administration	11.4	10.9	10.4	9.8	8.6	18.8
Professional services and other	6.3	7.4	4.5	5.4	4.8	8.6
No secondary activity	31.8	33.5	35.8	34.6	26.3	25.9
Activity unknown	2.6	1.4	2.4	3.3	2.8	4.4
Postgraduation location (%) ^h						
United States ⁱ	89.9	94.3	86.6	90.2	87.3	86.9
Midwest	20.4	19.2	21.0	19.1	18.7	27.1
Northeast	22.4	23.2	26.0	22.8	24.5	13.1
South	30.9	35.3	18.7	32.5	28.1	35.6
West	15.8	16.0	20.6	15.4	16.0	10.6
Outside the United States	9.9	5.5	13.4	9.8	12.4	13.1
Location unknown	0.1	0.2	0.0	0.0	0.3	0.0
Postgraduation location in same state as doctorate institution (%)	39.6	46.4	39.3	38.0	33.5	36.4

Table 9-15. Humanities research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2025

(Number and percent)

Characteristic	All humanities fields	English language and literature, letters	Foreign languages, literatures, and linguistics	History	Philosophy and religious studies	Humanities, other
Male doctorate recipients reporting postgraduation status (number)	1,431	295	194	388	332	222
Definite postdoctoral training plans (%)	17.1	14.2	16.0	21.6	21.1	8.1
Definite employment plans (%)	45.6	46.4	37.6	41.5	38.6	68.9
Seeking employment or study (%)	34.0	37.6	42.3	33.8	35.8	19.4
Other status (%) ^a	3.4	1.7	4.1	3.1	4.5	3.6
Definite postdoctoral training plans (%) ^b						
Postdoc fellowship or research associateship	95.5	97.6	96.8	96.4	92.9	94.4
Other training or unknown ^c	4.5	2.4	3.2	3.6	7.1	5.6
Definite employment plans (%) ^d						
Academe	61.8	79.6	76.7	60.9	71.9	31.4
In tenure track faculty position (%)	31.3	40.4	26.8	32.7	25.0	25.0
Not in tenure track position (%)	64.5	57.8	73.2	63.3	69.6	62.5
Government	4.9	D	D	13.0	D	D
Industry or business ^e	9.0	6.6	13.7	11.2	D	D
Nonprofit organization	17.3	D	D	7.5	12.5	51.0
Other or unknown ^f	6.9	8.0	4.1	7.5	6.3	7.2
Primary activity ^g						
Research and development	8.5	8.3	D	15.3	6.4	D
Teaching	62.9	72.9	77.8	58.0	65.6	49.3
Management or administration	12.2	9.8	D	14.0	10.4	D
Professional services and other	16.4	9.0	11.1	12.7	17.6	28.8
Secondary activity ^g						
Research and development	34.4	39.8	47.2	31.2	42.4	19.9
Teaching	17.1	10.5	D	19.7	17.6	D
Management or administration	12.8	12.8	D	8.3	D	19.9
Professional services and other	6.2	6.0	D	3.8	D	D
No secondary activity	29.5	30.8	29.2	36.9	25.6	24.0
Activity unknown	2.9	2.9	1.4	2.5	2.3	4.6
Postgraduation location (%) ^h						
United States ⁱ	88.0	93.9	80.8	90.2	83.8	87.7
Midwest	20.8	16.8	24.0	18.8	17.2	30.4
Northeast	20.4	24.0	19.2	24.5	21.7	9.9
South	31.9	35.2	19.2	32.2	29.3	38.6
West	14.4	17.3	17.3	14.3	15.7	8.2
Outside the United States	11.9	6.1	19.2	9.8	15.7	12.3
Location unknown	0.1	0.0	0.0	0.0	0.5	0.0
Postgraduation location in same state as doctorate institution (%)	36.7	47.5	28.8	35.9	34.3	33.9

Table 9-15. Humanities research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2025

(Number and percent)

Characteristic	All humanities fields	English language and literature, letters	Foreign languages, literatures, and linguistics	History	Philosophy and religious studies	Humanities, other
Female doctorate recipients reporting postgraduation status (number)	1,500	578	275	323	206	118
Definite postdoctoral training plans (%)	13.6	8.5	9.1	22.3	22.3	10.2
Definite employment plans (%)	47.9	52.2	48.4	44.6	42.2	44.9
Seeking employment or study (%)	33.7	33.9	37.5	29.4	30.6	41.5
Other status (%) ^a	4.7	5.2	5.1	3.7	4.9	3.4
Definite postdoctoral training plans (%) ^b						
Postdoc fellowship or research associateship	95.6	98.0	96.0	95.8	95.7	83.3
Other training or unknown ^c	4.4	2.0	4.0	4.2	4.3	16.7
Definite employment plans (%) ^d						
Academe	73.7	78.8	78.2	62.5	73.6	64.2
In tenure track faculty position	32.5	28.2	30.8	33.3	45.3	41.2
Not in tenure track position	64.5	70.6	67.3	61.1	48.4	52.9
Government	3.8	D	0.0	7.6	D	0.0
Industry or business ^e	8.1	10.3	5.3	8.3	D	D
Nonprofit organization	8.9	D	D	14.6	10.3	22.6
Other or unknown ^f	5.6	3.0	D	6.9	3.4	D
Primary activity ^g						
Research and development	11.1	6.0	D	14.5	20.2	D
Teaching	62.4	62.7	66.7	57.2	60.7	66.7
Management or administration	13.7	15.7	D	15.2	9.5	D
Professional services and other	12.8	15.7	8.5	13.0	9.5	11.8
Secondary activity ^g						
Research and development	36.0	36.0	34.1	37.0	38.1	35.3
Teaching	13.5	11.3	D	12.3	22.6	D
Management or administration	10.1	10.0	D	11.6	D	15.7
Professional services and other	6.4	8.0	D	7.2	D	D
No secondary activity	33.9	34.7	39.5	31.9	27.4	31.4
Activity unknown	2.4	0.7	3.0	4.2	3.4	3.8
Postgraduation location (%) ^h						
United States ⁱ	91.9	94.6	90.5	90.3	92.5	84.6
Midwest	19.9	20.5	19.0	19.4	21.1	18.5
Northeast	24.4	22.8	30.4	20.8	28.6	21.5
South	30.0	35.3	18.4	32.9	26.3	27.7
West	17.2	15.4	22.8	16.7	16.5	16.9
Outside the United States	8.0	5.1	9.5	9.7	7.5	15.4
Location unknown	0.1	0.3	0.0	0.0	0.0	0.0
Postgraduation location in same state as doctorate institution (%)	42.5	45.9	46.2	40.3	32.3	43.1

D = suppressed to avoid disclosure of confidential information.

^a Other status includes doctorate recipients reporting: no plans to work or study, some other type of postgraduation plans, or definite plans for other full-time degree program.

^b Definite postdoctoral training plans excludes doctorate recipients reporting plans for other full-time degree program. Percentages are based on the number of doctorate recipients reporting definite postdoctoral plans for study.

^c Other training includes doctorate recipients who reported definite postdoctoral plans for traineeship, internship or clinical residency, or other study.

^d Percentages are based on the number of doctorate recipients reporting definite postgraduation plans for employment.

^e Industry or business includes doctorate recipients reporting self-employment.

^f Other is mainly composed of elementary and secondary schools.

^g Percentages are based on the number of doctorate recipients reporting definite postgraduation plans for employment and primary or secondary work activity.

^h Percentages are based on the number of doctorate recipients reporting definite postgraduation plans and type of plans.

ⁱ United States includes doctorate recipients with an unknown U.S. region of employment after doctorate; thus, the percentages by regions will not sum to the value for United States. See the "[Technical Notes](#)" for states or territories included in regions.

Note(s):

A definite postgraduation commitment includes accepting new employment or a postdoctoral study (postdoc) position or returning to predoctoral employment, while postgraduation employment includes accepting new employment or returning to predoctoral employment that is not a postdoctoral study (postdoc) position. Due to rounding, percentages may not sum to 100. The survey data collection for the field of study changed in 2021, which may affect the data comparisons across years. This table uses the new field taxonomy based on a modified version of the 2020 Classification of Instructional Programs (CIP) codes and does not match data that uses the trend field taxonomy. 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.

Table 9-16. Business research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2025

(Number and percent)

Characteristic	All business fields	Business administration and management	Business, other
Doctorate recipients reporting postgraduation status (number)	1,125	321	804
Definite postdoctoral training plans (%)	5.7	7.5	5.0
Definite employment plans (%)	75.1	69.8	77.2
Seeking employment or study (%)	17.0	20.2	15.7
Other status (%) ^a	2.2	2.5	2.1
Definite postdoctoral training plans (%) ^b			
Postdoc fellowship or research associateship	96.9	D	95.0
Other training or unknown ^c	3.1	D	5.0
Definite employment plans (%) ^d			
Academe	76.2	67.0	79.5
In tenure track faculty position	82.6	72.0	85.8
Not in tenure track position	15.4	22.7	13.2
Government	D	D	3.7
Industry or business ^e	14.1	17.0	13.0
Nonprofit organization	D	D	1.6
Other or unknown ^f	2.6	4.0	2.1
Primary activity ^g			
Research and development	50.3	38.5	54.5
Teaching	30.6	30.3	30.7
Management or administration	8.7	17.4	5.6
Professional services and other	10.3	13.8	9.1
Secondary activity ^g			
Research and development	29.8	28.9	30.1
Teaching	47.8	41.7	49.9
Management or administration	5.7	8.3	4.8
Professional services and other	4.7	5.5	4.5
No secondary activity	12.0	15.6	10.7
Activity unknown	2.6	2.7	2.6
Postgraduation location (%) ^h			
United States ⁱ	86.5	84.7	87.1
Midwest	16.4	14.5	17.1
Northeast	17.5	18.5	17.1
South	35.3	32.7	36.3
West	16.3	17.3	15.9
Outside the United States	13.3	15.3	12.6
Location unknown	0.2	0.0	0.3
Postgraduation location in same state as doctorate institution (%)	20.0	21.8	19.4
Male doctorate recipients reporting postgraduation status (number)	641	185	456
Definite postdoctoral training plans (%)	6.2	9.2	5.0
Definite employment plans (%)	74.4	69.2	76.5
Seeking employment or study (%)	17.5	20.5	16.2
Other status (%) ^a	1.9	1.1	2.2
Definite postdoctoral training plans (%) ^b			
Postdoc fellowship or research associateship	97.5	D	95.7
Other training or unknown ^c	2.5	D	4.3
Definite employment plans (%) ^d			
Academe	76.3	68.0	79.4
In tenure track faculty position	84.9	74.7	88.1
Not in tenure track position	13.2	19.5	11.2

Table 9-16. Business research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2025

(Number and percent)

Characteristic	All business fields	Business administration and management	Business, other
Government	D	6.3	D
Industry or business ^e	14.3	15.6	13.8
Nonprofit organization	D	7.0	D
Other or unknown ^f	2.5	3.1	2.3
Primary activity ^g			
Research and development	50.5	40.8	54.1
Teaching	30.5	28.0	31.4
Management or administration	6.9	16.0	3.6
Professional services and other	12.1	15.2	10.9
Secondary activity ^g			
Research and development	31.5	28.0	32.8
Teaching	47.3	42.4	49.1
Management or administration	6.3	D	D
Professional services and other	4.8	D	D
No secondary activity	10.2	13.6	8.9
Activity unknown	2.9	2.3	3.2
Postgraduation location (%) ^h			
United States ⁱ	85.3	82.1	86.6
Midwest	16.1	13.1	17.2
Northeast	18.8	20.0	18.3
South	34.8	31.0	36.3
West	14.7	16.6	14.0
Outside the United States	14.5	17.9	13.2
Location unknown	0.2	0.0	0.3
Postgraduation location in same state as doctorate institution (%)	17.2	20.0	16.1
Female doctorate recipients reporting postgraduation status (number)	484	136	348
Definite postdoctoral training plans (%)	5.0	5.1	4.9
Definite employment plans (%)	76.0	70.6	78.2
Seeking employment or study (%)	16.3	19.9	14.9
Other status (%) ^a	2.7	4.4	2.0
Definite postdoctoral training plans (%) ^b			
Postdoc fellowship or research associateship	95.8	D	94.1
Other training or unknown ^c	4.2	D	5.9
Definite employment plans (%) ^d			
Academe	76.1	65.6	79.8
In tenure track faculty position	79.6	68.3	82.9
Not in tenure track position	18.2	27.0	15.7
Government	3.5	D	D
Industry or business ^e	13.9	18.8	12.1
Nonprofit organization	3.8	D	D
Other or unknown ^f	2.7	5.2	1.8
Primary activity ^g			
Research and development	50.0	35.5	55.1
Teaching	30.8	33.3	30.0
Management or administration	11.1	19.4	8.2
Professional services and other	8.1	11.8	6.7
Secondary activity ^g			
Research and development	27.5	30.1	26.6
Teaching	48.3	40.9	50.9

Table 9-16. Business research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2025

(Number and percent)

Characteristic	All business fields	Business administration and management	Business, other
Management or administration	5.0	D	D
Professional services and other	4.7	D	D
No secondary activity	14.4	18.3	13.1
Activity unknown	2.2	3.1	1.8
Postgraduation location (%) ^h			
United States ⁱ	88.0	88.3	87.9
Midwest	16.8	16.5	17.0
Northeast	15.8	16.5	15.6
South	36.0	35.0	36.3
West	18.4	18.4	18.3
Outside the United States	11.7	11.7	11.8
Location unknown	0.3	0.0	0.3
Postgraduation location in same state as doctorate institution (%)	23.7	24.3	23.5

D = suppressed to avoid disclosure of confidential information.

^a Other status includes doctorate recipients reporting: no plans to work or study, some other type of postgraduation plans, or definite plans for other full-time degree program.^b Definite postdoctoral training plans excludes doctorate recipients reporting plans for other full-time degree program. Percentages are based on the number of doctorate recipients reporting definite postdoctoral plans for study.^c Other training includes doctorate recipients who reported definite postdoctoral plans for traineeship, internship or clinical residency, or other study.^d Percentages are based on the number of doctorate recipients reporting definite postgraduation plans for employment.^e Industry or business includes doctorate recipients reporting self-employment.^f Other is mainly composed of elementary and secondary schools.^g Percentages are based on the number of doctorate recipients reporting definite postgraduation plans for employment and primary or secondary work activity.^h Percentages are based on the number of doctorate recipients reporting definite postgraduation plans and type of plans.ⁱ United States includes doctorate recipients with an unknown U.S. region of employment after doctorate; thus, the percentages by regions will not sum to the value for United States. See the "Technical Notes" for states or territories included in regions.**Note(s):**

A definite postgraduation commitment includes accepting new employment or a postdoctoral study (postdoc) position or returning to predoctoral employment, while postgraduation employment includes accepting new employment or returning to predoctoral employment that is not a postdoctoral study (postdoc) position. Due to rounding, percentages may not sum to 100. The survey data collection for the field of study changed in 2021, which may affect the data comparisons across years. This table uses the new field taxonomy based on a modified version of the 2020 Classification of Instructional Programs (CIP) codes and does not match data that uses the trend field taxonomy. 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.

Table 9-17. Visual and performing arts research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2025

(Number and percent)

Characteristic	All visual and performing arts fields	Performing arts	Visual arts, media studies, and design
Doctorate recipients reporting postgraduation status (number)	692	417	275
Definite postdoctoral training plans (%)	11.3	8.6	15.3
Definite employment plans (%)	48.8	49.2	48.4
Seeking employment or study (%)	38.2	40.3	34.9
Other status (%) ^a	1.7	1.9	1.5
Definite postdoctoral training plans (%) ^b			
Postdoc fellowship or research associateship	98.7	97.2	D
Other training or unknown ^c	1.3	2.8	D
Definite employment plans (%) ^d			
Academe	67.2	64.9	70.7
In tenure track faculty position	32.6	31.6	34.0
Not in tenure track position	63.9	65.4	61.7
Government	D	0.0	D
Industry or business ^e	9.5	11.7	6.0
Nonprofit organization	D	12.2	D
Other or unknown ^f	7.4	11.2	1.5
Primary activity ^g			
Research and development	10.7	4.0	21.3
Teaching	62.6	67.3	55.1
Management or administration	10.7	12.1	8.7
Professional services and other	16.0	16.6	15.0
Secondary activity ^g			
Research and development	31.3	27.6	37.0
Teaching	12.6	D	D
Management or administration	12.6	9.0	18.1
Professional services and other	9.2	D	D
No secondary activity	34.4	37.7	29.1
Activity unknown	3.6	2.9	4.5
Postgraduation location (%) ^h			
United States ⁱ	89.2	89.2	89.1
Midwest	17.1	17.4	16.6
Northeast	26.4	21.6	33.1
South	26.0	28.6	22.3
West	19.2	21.2	16.6
Outside the United States	10.8	10.8	10.9
Location unknown	0.0	0.0	0.0
Postgraduation location in same state as doctorate institution (%)	46.6	48.1	44.6
Male doctorate recipients reporting postgraduation status (number)	301	207	94
Definite postdoctoral training plans (%)	9.6	7.7	13.8
Definite employment plans (%)	47.8	49.3	44.7
Seeking employment or study (%)	41.5	42.0	40.4
Other status (%) ^a	1.0	1.0	1.1
Definite postdoctoral training plans (%) ^b			
Postdoc fellowship or research associateship	D	D	D
Other training or unknown ^c	D	D	D
Definite employment plans (%) ^d			
Academe	69.4	64.7	81.0
In tenure track faculty position	31.0	33.3	26.5

Table 9-17. Visual and performing arts research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2025

(Number and percent)

Characteristic	All visual and performing arts fields	Performing arts	Visual arts, media studies, and design
Not in tenure track position	65.0	62.1	70.6
Government	D	0.0	D
Industry or business ^e	10.4	D	D
Nonprofit organization	D	D	D
Other or unknown ^f	8.3	11.8	0.0
Primary activity ^g			
Research and development	7.9	D	D
Teaching	64.7	64.3	65.9
Management or administration	12.2	D	D
Professional services and other	15.1	D	D
Secondary activity ^g			
Research and development	26.6	24.5	31.7
Teaching	12.2	D	D
Management or administration	17.3	13.3	26.8
Professional services and other	10.1	D	D
No secondary activity	33.8	35.7	29.3
Activity unknown	3.5	3.9	2.4
Postgraduation location (%) ^h			
United States ⁱ	87.9	87.3	89.1
Midwest	21.4	20.3	23.6
Northeast	20.8	20.3	21.8
South	26.6	28.0	23.6
West	18.5	17.8	20.0
Outside the United States	12.1	12.7	10.9
Location unknown	0.0	0.0	0.0
Postgraduation location in same state as doctorate institution (%)	44.5	44.1	45.5
Female doctorate recipients reporting postgraduation status (number)	391	210	181
Definite postdoctoral training plans (%)	12.5	9.5	16.0
Definite employment plans (%)	49.6	49.0	50.3
Seeking employment or study (%)	35.5	38.6	32.0
Other status (%) ^a	2.3	2.9	1.7
Definite postdoctoral training plans (%) ^b			
Postdoc fellowship or research associateship	98.0	95.0	D
Other training or unknown ^c	2.0	5.0	D
Definite employment plans (%) ^d			
Academe	65.5	65.0	65.9
In tenure track faculty position	33.9	29.9	38.3
Not in tenure track position	63.0	68.7	56.7
Government	0.0	0.0	0.0
Industry or business ^e	8.8	D	D
Nonprofit organization	19.1	D	D
Other or unknown ^f	6.7	10.7	2.2
Primary activity ^g			
Research and development	12.8	D	D
Teaching	61.0	70.3	50.0
Management or administration	9.6	D	D
Professional services and other	16.6	D	D
Secondary activity ^g			
Research and development	34.8	30.7	39.5

Table 9-17. Visual and performing arts research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2025

(Number and percent)

Characteristic	All visual and performing arts fields	Performing arts	Visual arts, media studies, and design
Teaching	12.8	D	D
Management or administration	9.1	5.0	14.0
Professional services and other	8.6	D	D
No secondary activity	34.8	39.6	29.1
Activity unknown	3.6	1.9	5.5
Postgraduation location (%) ^h			
United States ⁱ	90.1	91.1	89.2
Midwest	14.0	14.6	13.3
Northeast	30.5	22.8	38.3
South	25.5	29.3	21.7
West	19.8	24.4	15.0
Outside the United States	9.9	8.9	10.8
Location unknown	0.0	0.0	0.0
Postgraduation location in same state as doctorate institution (%)	48.1	52.0	44.2

D = suppressed to avoid disclosure of confidential information.

^a Other status includes doctorate recipients reporting: no plans to work or study, some other type of postgraduation plans, or definite plans for other full-time degree program.^b Definite postdoctoral training plans excludes doctorate recipients reporting plans for other full-time degree program. Percentages are based on the number of doctorate recipients reporting definite postdoctoral plans for study.^c Other training includes doctorate recipients who reported definite postdoctoral plans for traineeship, internship or clinical residency, or other study.^d Percentages are based on the number of doctorate recipients reporting definite postgraduation plans for employment.^e Industry or business includes doctorate recipients reporting self-employment.^f Other is mainly composed of elementary and secondary schools.^g Percentages are based on the number of doctorate recipients reporting definite postgraduation plans for employment and primary or secondary work activity.^h Percentages are based on the number of doctorate recipients reporting definite postgraduation plans and type of plans.ⁱ United States includes doctorate recipients with an unknown U.S. region of employment after doctorate; thus, the percentages by regions will not sum to the value for United States. See the "Technical Notes" for states or territories included in regions.**Note(s):**

A definite postgraduation commitment includes accepting new employment or a postdoctoral study (postdoc) position or returning to predoctoral employment, while postgraduation employment includes accepting new employment or returning to predoctoral employment that is not a postdoctoral study (postdoc) position. Due to rounding, percentages may not sum to 100. The survey data collection for the field of study changed in 2021, which may affect the data comparisons across years. This table uses the new field taxonomy based on a modified version of the 2020 Classification of Instructional Programs (CIP) codes and does not match data that uses the trend field taxonomy. 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.

Table 9-18. Other non-science and engineering research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2025

(Number and percent)

Characteristic	All other non-science and engineering fields	Communication and journalism	Multidisciplinary/ interdisciplinary studies	Public administration and social services	Non-science and engineering, other
Doctorate recipients reporting postgraduation status (number)	1,918	519	290	469	640
Definite postdoctoral training plans (%)	12.7	11.0	15.2	12.2	13.3
Definite employment plans (%)	56.0	54.7	55.2	57.6	56.4
Seeking employment or study (%)	27.1	30.8	27.2	24.9	25.6
Other status (%) ^a	4.1	3.5	2.4	5.3	4.5
Definite postdoctoral training plans (%) ^b					
Postdoc fellowship or research associateship	94.7	96.5	97.7	94.7	91.8
Other training or unknown ^c	5.3	3.5	2.3	5.3	8.2
Definite employment plans (%) ^d					
Academe	64.2	80.6	63.8	51.1	61.2
In tenure track faculty position	52.9	59.8	19.6	65.2	53.4
Not in tenure track position	43.9	38.9	76.5	29.7	43.0
Government	11.0	5.6	6.3	17.8	12.2
Industry or business ^e	12.3	7.4	8.1	15.2	15.8
Nonprofit organization	8.3	3.5	11.3	11.1	8.6
Other or unknown ^f	4.3	2.8	10.6	4.8	2.2
Primary activity ^g					
Research and development	26.0	28.2	8.4	33.1	27.0
Teaching	41.7	55.6	51.6	22.6	40.3
Management or administration	15.2	7.2	32.3	18.7	11.4
Professional services and other	17.1	9.0	7.7	25.7	21.3
Secondary activity ^g					
Research and development	33.5	38.6	29.7	21.8	39.8
Teaching	25.6	25.6	17.4	33.9	23.0
Management or administration	10.2	8.3	8.4	11.7	11.4
Professional services and other	8.6	6.1	11.0	10.9	8.0
No secondary activity	22.1	21.3	33.5	21.8	17.9
Activity unknown	3.2	2.5	3.1	4.8	2.5
Postgraduation location (%) ^h					
United States ⁱ	89.2	89.7	86.8	95.1	85.7
Midwest	19.9	22.0	17.6	22.0	17.7
Northeast	16.5	12.0	21.6	18.7	16.1
South	36.5	38.1	29.9	37.9	37.2
West	15.6	16.4	17.2	15.9	14.1
Outside the United States	10.5	9.7	12.7	4.9	14.3
Location unknown	0.2	0.6	0.5	0.0	0.0
Postgraduation location in same state as doctorate institution (%)	36.8	29.6	44.1	46.2	32.1
Male doctorate recipients reporting postgraduation status (number)	734	173	121	144	296

Table 9-18. Other non-science and engineering research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2025

(Number and percent)

Characteristic	All other non-science and engineering fields	Communication and journalism	Multidisciplinary/interdisciplinary studies	Public administration and social services	Non-science and engineering, other
Definite postdoctoral training plans (%)	12.3	11.0	14.0	9.7	13.5
Definite employment plans (%)	58.4	60.7	51.2	58.3	60.1
Seeking employment or study (%)	25.3	26.0	32.2	26.4	21.6
Other status (%) ^a	4.0	2.3	2.5	5.6	4.7
Definite postdoctoral training plans (%) ^b					
Postdoc fellowship or research associateship	94.4	94.7	D	D	90.0
Other training or unknown ^c	5.6	5.3	D	D	10.0
Definite employment plans (%) ^d					
Academe	64.8	81.0	62.9	54.8	60.7
In tenure track faculty position	53.2	62.4	20.5	60.9	54.6
Not in tenure track position	43.2	37.6	74.4	30.4	41.7
Government	11.7	D	D	D	13.5
Industry or business ^e	14.5	9.5	9.7	15.5	18.5
Nonprofit organization	5.4	D	D	D	5.1
Other or unknown ^f	3.7	2.9	9.7	3.6	2.2
Primary activity ^g					
Research and development	24.9	D	D	34.2	24.9
Teaching	43.6	D	D	24.1	39.9
Management or administration	14.3	5.9	28.8	19.0	12.1
Professional services and other	17.2	7.8	8.5	22.8	23.1
Secondary activity ^g					
Research and development	34.4	41.2	28.8	16.5	40.5
Teaching	26.6	28.4	20.3	31.6	25.4
Management or administration	11.9	10.8	8.5	13.9	12.7
Professional services and other	8.2	4.9	11.9	12.7	6.9
No secondary activity	18.9	14.7	30.5	25.3	14.5
Activity unknown	3.7	2.9	4.8	6.0	2.8
Postgraduation location (%) ^h					
United States ⁱ	86.7	85.5	88.6	90.8	84.9
Midwest	18.9	25.0	21.5	14.3	16.5
Northeast	15.6	8.1	19.0	19.4	17.0
South	38.0	35.5	31.6	44.9	38.5
West	13.9	16.1	16.5	12.2	12.4
Outside the United States	13.3	14.5	11.4	9.2	15.1
Location unknown	0.0	0.0	0.0	0.0	0.0
Postgraduation location in same state as doctorate institution (%)	33.5	29.8	39.2	45.9	28.0

Table 9-18. Other non-science and engineering research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2025

(Number and percent)

Characteristic	All other non-science and engineering fields	Communication and journalism	Multidisciplinary/interdisciplinary studies	Public administration and social services	Non-science and engineering, other
Female doctorate recipients reporting postgraduation status (number)	1,184	346	169	325	344
Definite postdoctoral training plans (%)	12.9	11.0	16.0	13.2	13.1
Definite employment plans (%)	54.6	51.7	58.0	57.2	53.2
Seeking employment or study (%)	28.2	33.2	23.7	24.3	29.1
Other status (%) ^a	4.2	4.0	2.4	5.2	4.4
Definite postdoctoral training plans (%) ^b					
Postdoc fellowship or research associateship	94.8	97.4	96.3	93.0	93.3
Other training or unknown ^c	5.2	2.6	3.7	7.0	6.7
Definite employment plans (%) ^d					
Academe	63.8	80.4	64.3	49.5	61.7
In tenure track faculty position	52.7	58.3	19.0	67.4	52.2
Not in tenure track position	44.4	39.6	77.8	29.3	44.2
Government	10.5	D	D	D	10.9
Industry or business ^e	10.8	6.1	7.1	15.1	13.1
Nonprofit organization	10.2	D	D	D	12.0
Other or unknown ^f	4.6	2.8	11.2	5.4	2.2
Primary activity ^g					
Research and development	26.8	D	D	32.6	29.1
Teaching	40.4	D	D	21.9	40.8
Management or administration	15.8	8.0	34.4	18.5	10.6
Professional services and other	17.0	9.7	7.3	27.0	19.6
Secondary activity ^g					
Research and development	33.0	37.1	30.2	24.2	39.1
Teaching	24.8	24.0	15.6	34.8	20.7
Management or administration	9.1	6.9	8.3	10.7	10.1
Professional services and other	8.9	6.9	10.4	10.1	8.9
No secondary activity	24.2	25.1	35.4	20.2	21.2
Activity unknown	2.8	2.2	2.0	4.3	2.2
Postgraduation location (%) ^h					
United States ⁱ	90.9	92.2	85.6	96.9	86.4
Midwest	20.5	20.3	15.2	25.3	18.9
Northeast	17.1	14.3	23.2	18.3	15.4
South	35.5	39.6	28.8	34.9	36.0
West	16.8	16.6	17.6	17.5	15.8
Outside the United States	8.8	6.9	13.6	3.1	13.6
Location unknown	0.4	0.9	0.8	0.0	0.0

Table 9-18. Other non-science and engineering research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2025

(Number and percent)

Characteristic	All other non-science and engineering fields	Communication and journalism	Multidisciplinary/interdisciplinary studies	Public administration and social services	Non-science and engineering, other
Postgraduation location in same state as doctorate institution (%)	38.9	29.5	47.2	46.3	36.0

D = suppressed to avoid disclosure of confidential information.

^a Other status includes doctorate recipients reporting: no plans to work or study, some other type of postgraduation plans, or definite plans for other full-time degree program.

^b Definite postdoctoral training plans excludes doctorate recipients reporting plans for other full-time degree program. Percentages are based on the number of doctorate recipients reporting definite postdoctoral plans for study.

^c Other training includes doctorate recipients who reported definite postdoctoral plans for traineeship, internship or clinical residency, or other study.

^d Percentages are based on the number of doctorate recipients reporting definite postgraduation plans for employment.

^e Industry or business includes doctorate recipients reporting self-employment.

^f Other is mainly composed of elementary and secondary schools.

^g Percentages are based on the number of doctorate recipients reporting definite postgraduation plans for employment and primary or secondary work activity.

^h Percentages are based on the number of doctorate recipients reporting definite postgraduation plans and type of plans.

ⁱ United States includes doctorate recipients with an unknown U.S. region of employment after doctorate; thus, the percentages by regions will not sum to the value for United States. See the ["Technical Notes"](#) for states or territories included in regions.

Note(s):

A definite postgraduation commitment includes accepting new employment or a postdoctoral study (postdoc) position or returning to predoctoral employment, while postgraduation employment includes accepting new employment or returning to predoctoral employment that is not a postdoctoral study (postdoc) position. Due to rounding, percentages may not sum to 100. The survey data collection for the field of study changed in 2021, which may affect the data comparisons across years. This table uses the new field taxonomy based on a modified version of the 2020 Classification of Instructional Programs (CIP) codes and does not match data that uses the trend field taxonomy. 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.

Table 9-19. Postgraduation plans of research doctorate recipients, by ethnicity, race, and citizenship status: 2025

(Number and percent)

Characteristic	Total ^a	U.S. citizens and permanent residents	Temporary visa holders	Hispanic or Latino		Not Hispanic or Latino												Ethnicity not reported	
						American Indian or Alaska Native		Asian		Black or African American		White		More than one race		Other race or race not reported			
				U.S. citizens and permanent residents	Temporary visa holders	U.S. citizens and permanent residents	Temporary visa holders	U.S. citizens and permanent residents	Temporary visa holders	U.S. citizens and permanent residents	Temporary visa holders	U.S. citizens and permanent residents	Temporary visa holders	U.S. citizens and permanent residents	Temporary visa holders	U.S. citizens and permanent residents	Temporary visa holders	U.S. citizens and permanent residents	Temporary visa holders
All doctorate recipients (number)	52,607	34,172	18,136	3,568	1,270	92	D	4,044	12,419	2,840	949	21,478	2,783	1,386	126	506	D	258	212
Definite postdoctoral training plans (%)	27.0	24.8	31.1	26.3	36.1	16.3	D	25.2	31.6	16.0	25.0	25.7	29.6	27.7	D	20.2	D	23.6	27.8
Definite employment plans (%)	40.1	40.8	38.5	36.7	35.3	57.6	D	35.3	39.2	46.1	33.7	41.8	37.7	38.7	40.5	42.5	D	46.5	47.6
Seeking employment or study (%)	29.7	30.5	28.4	33.2	26.2	22.8	D	34.4	27.7	34.1	39.2	29.1	30.1	29.1	D	29.2	D	18.6	17.5
Other status (%) ^b	3.1	3.8	1.8	3.7	2.4	3.3	D	5.0	1.4	3.8	2.1	3.4	2.6	4.5	1.6	7.7	D	10.1	5.7
Definite employment plans (%) ^c																			
Academe	41.2	43.4	37.2	46.0	50.9	43.4	D	33.0	33.1	41.4	43.4	45.1	46.7	41.2	43.1	43.7	D	43.3	35.6
In tenure track faculty position	42.4	34.1	62.0	38.5	58.3	34.8	D	39.9	65.0	26.6	50.4	33.7	56.6	36.2	59.1	25.5	D	42.3	61.1
Not in tenure track position	53.3	62.2	32.8	58.2	38.6	56.5	D	54.8	30.5	69.0	44.6	62.8	36.4	60.2	36.4	67.0	D	57.7	22.2
Government	7.4	9.5	3.2	9.0	7.4	18.9	D	7.6	2.3	13.7	D	9.0	4.0	12.7	D	7.4	D	13.3	5.0
Industry or business ^d	38.8	31.0	54.6	28.0	34.2	17.0	D	48.7	60.8	22.5	39.4	30.2	42.5	28.9	47.1	29.8	D	25.8	50.5
Nonprofit organization	6.7	8.6	3.0	9.2	3.6	15.1	D	7.2	2.5	11.8	D	8.0	3.8	11.4	D	12.1	D	7.5	1.0
Other or unknown ^e	5.9	7.5	2.1	7.7	4.0	5.7	D	3.5	1.4	10.6	3.1	7.8	3.1	6.0	2.0	7.0	D	10.0	7.9
Postgraduation location (%) ^f																			
United States	92.1	98.3	79.7	98.9	75.9	D	D	97.1	83.5	98.9	80.9	98.5	65.7	96.8	72.5	D	D	95.8	83.2

Table 9-19. Postgraduation plans of research doctorate recipients, by ethnicity, race, and citizenship status: 2025

(Number and percent)

Characteristic	Total ^a	U.S. citizens and permanent residents	Temporary visa holders	Hispanic or Latino		Not Hispanic or Latino												Ethnicity not reported	
						American Indian or Alaska Native		Asian		Black or African American		White		More than one race		Other race or race not reported			
				U.S. citizens and permanent residents	Temporary visa holders	U.S. citizens and permanent residents	Temporary visa holders	U.S. citizens and permanent residents	Temporary visa holders	U.S. citizens and permanent residents	Temporary visa holders	U.S. citizens and permanent residents	Temporary visa holders	U.S. citizens and permanent residents	Temporary visa holders	U.S. citizens and permanent residents	Temporary visa holders	U.S. citizens and permanent residents	Temporary visa holders
Outside the United States	7.8	1.6	20.1	1.1	24.1	D	D	2.8	16.3	1.1	19.1	1.4	34.2	3.2	27.5	D	D	4.2	15.8
Location unknown	0.1	*	0.1	0.0	0.0	0.0	D	0.1	0.1	0.1	0.0	*	0.1	0.0	0.0	0.0	D	0.0	1.0
Postgraduation location in same state as doctorate institution (%)	24.5	31.2	12.6	32.4	12.0	45.6	D	26.6	12.4	36.7	13.1	31.0	13.6	29.4	20.5	36.6	D	29.3	13.8

* = value between 0.00% and 0.05%; D = suppressed to avoid disclosure of confidential information.

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

^b Other status includes doctorate recipients reporting: no plans to work or study, some other type of postgraduation plans, or definite plans for other full-time degree program.

^c Percentages are based on the number of doctorate recipients reporting definite postgraduation plans for employment.

^d Industry or business includes doctorate recipients reporting self-employment.

^e Other is mainly composed of elementary and secondary schools.

^f Percentages are based on the number of doctorate recipients reporting definite postgraduation plans and type of plans.

Note(s):
A definite postgraduation commitment includes accepting new employment or a postdoctoral study (postdoc) position or returning to predoctoral employment, while postgraduation employment includes accepting new employment or returning to predoctoral employment that is not a postdoctoral study (postdoc) position. Hispanic or Latino may be of any race; race categories exclude Hispanic origin. Due to rounding, percentages may not sum to 100.

Source(s):
National Center for Science and Engineering Statistics, Survey of Earned Doctorates.

Technical Notes

Survey Overview (2025 Survey Cycle)

Purpose. The Survey of Earned Doctorates (SED) collects data on the number and characteristics of individuals receiving research doctoral degrees from U.S. academic institutions.

Data collection authority. The information collected by the SED is solicited under the authority of the National Science Foundation Act of 1950, as amended, and the America COMPETES Reauthorization Act of 2010. The Office of Management and Budget control number for the 2025 survey cycle is 3145-0019, expiration date 31 May 2026. The National Center for Science and Engineering Statistics (NCSES) has reviewed this product for unauthorized disclosure of confidential information and approved its release (NCSES-DRN26-034).

Survey contractor. RTI International.

Survey sponsors. The SED is sponsored by NCSES within the U.S. National Science Foundation (NSF) and by three other federal agencies: the National Institutes of Health, Department of Education, and National Endowment for the Humanities.

Key Survey Information

Frequency. Annual.

Initial survey year. Academic year 1958.

Reference period. Academic year 2025 (1 July 2024 to 30 June 2025).

Response unit. Individuals.

Sample or census. Census.

Population size. 59,015.

Sample size. Not applicable.

Survey Design

Target population. The population for the 2025 SED consists of all individuals receiving a research doctorate from a U.S. academic institution in the 12-month period beginning 1 July 2024 and ending 30 June 2025. A research doctorate is a doctoral degree that (1) requires completion of an original intellectual contribution in the form of a dissertation or an equivalent culminating project (e.g., musical composition) and (2) is not primarily intended as a degree for the practice of a profession.

The SED recognized 18 distinct types of research doctorates in 2025 ([table A-1](#)). Recipients of professional doctoral degrees, such as MD, DDS, DVM, JD, DPharm, DMin, and PsyD, are not included in the SED.

The doctor of philosophy (PhD) constitutes the vast majority of research doctoral degrees. Of the 59,015 new research doctorates granted in 2025, 98.6% were PhDs. The next most frequently occurring type of research doctorate was the doctor of education (EdD), which accounted for 0.9% of the total in 2025. No other type of doctoral degree accounted for more than 0.3% of the new research doctorates in 2025.

Sampling frame. The SED is a census of all recipients of U.S. research doctoral degrees. The frame of doctorate recipients is created by first identifying all institutions that confer research doctorates and then identifying all individuals receiving a research doctorate from those institutions in the 12-month period ending 30 June 2025. The list of institutions is based principally on the institutions in the prior survey cycle augmented by any new institutions in the Integrated Postsecondary

Education Data System (IPEDS) and other higher education resource databases. The list of doctorate recipients is created from administrative sources, such as commencement lists provided by institutions, institution websites, and commercial databases of doctorate dissertations. For 2025, 470 research doctorate-granting institutions were identified; however, 10 of these institutions reported 0 graduates, thus there were 460 institutions in the SED universe that conferred research doctorates. Of the institutions that conferred research doctorates, 17 institutions refused to provide lists of graduates. For all of the 17 refusing institutions, the survey contractor was able to construct graduate lists using secondary data sources. Thus, the SED frame consisted of 59,015 persons in the 460 institutions that conferred research doctorates in 2025.

Sample design. The SED is a census.

Data Collection and Processing Methods

Data collection. SED collects data using two modes: self-administered Web survey and computer-assisted telephone interview (CATI).

The self-administered Web survey is the primary mode of SED completion. When students apply for graduation, institutional coordinators at the universities give students the link to the survey registration website. Students who sign up at the survey registration website receive PIN and password information via email, as well as the URL of the SED Web survey. The proportion of SED completions using the Web has increased steadily since it was introduced in 2001, and it was 99.2% in 2025.

Nonrespondents are contacted by email, mail, and text message to complete the Web survey. If the series of follow-up emails, mailings, and text messages is unsuccessful, the survey contractor attempts to reach nonrespondents to complete an abbreviated survey by CATI. Approximately 0.8% of SED completions were from CATI in 2025. At the end of the data collection phase, institutional coordinators were contacted to obtain information on a small number of critical SED data items for nonrespondents from their institution.

A small but growing number of research doctoral degrees awarded were part of joint doctoral programs (i.e., a research doctorate recipient studied at more than one institution in pursuit of the doctoral degree). In these instances, the survey contractor relies on information provided by the institutions to appropriately attribute the doctorate to one of the doctorate-granting institutions.

The survey collects complete college education history data. For degrees earned from most U.S. postsecondary degree-granting institutions, the institutions are coded to their unique identification number (UnitID) from IPEDS; non-IPEDS institutions are maintained in a supplementary database. To code the degree-granting institutions for postsecondary degrees earned from foreign countries, survey staff maintain a database of foreign institutions, updating it annually to include new entries for foreign institutions reported by SED respondents. About one-third of 2025 U.S. research doctorate recipients received an undergraduate degree from foreign institutions.

Mode. In 2025, 99.2% of survey responses were obtained via the Web survey and 0.8% via CATI.

Response rate. Of the 59,015 individuals who received a research doctorate in 2025, 91.0% completed the survey ([table A-2](#)). Additional information on response rate is below, under “Nonresponse error.”

Data editing. Approved automated edits are applied to the SED, a number of which pertain to the education history section.

Imputation. In producing the 2025 SED Doctorate Records File, limited imputation was performed to support derivation of age and time to degree. Imputation was applied when month data for calculating measures involving age and time was not reported. The missing month values described below were either randomly or logically imputed.

- *Age at doctorate.* Months (of birth and doctorate award) were included in the calculation of median age whenever available. If birth month was missing, the month value was randomly imputed.

- *Time to degree from bachelor's completion.* Months (of bachelor's completion and doctorate award) were included in the calculation of total time to degree. If month of bachelor's completion was missing, the month value was logically imputed to the modal value for doctorate recipients who provided month of bachelor's completion.
- *Time to degree from graduate school entry.* Months (of graduate school entry and doctorate award) were included in the calculation of graduate school time to degree. If month of graduate school entry was missing, the month value was logically imputed to the modal value for doctorate recipients who provided month of graduate entry.
- *Time to degree from doctoral program entry.* Doctoral program entry is based on master's degree program entry if the master's degree was at the doctoral institution in the same field of study or if it was a prerequisite to the doctorate; otherwise, it is based on doctoral program entry. Months were included in the calculation of doctoral program time to degree. If the month of entry used in the calculation (master's degree program entry or doctoral program entry) was not reported, the entry month was logically imputed to the modal value for all cases that did report the entry month in the academic year the case was added to the Doctorate Records File (typically the academic year matching the graduation date of the case).

In certain cases, community college attendance was statistically imputed. See [“Survey Quality Measures”](#) for additional information.

Weighting. Survey data were not weighted.

Variance estimation. The SED is a census of all recipients of U.S. research doctoral degrees with no sampling variability.

Disclosure protection. To protect against the disclosure of confidential information provided by SED respondents, data values based on counts of respondents that fall below a predetermined threshold are suppressed in the data tables. Secondary or complementary suppressions are applied as needed to prevent reconstruction of the data values from primary suppressions. Beginning in 2021, the detailed fields in the data tables are based on the aggregation of SED Classified Instructional Program (CIP) fields. All suppressed values in the data tables are replaced with “D.”

Survey Quality Measures

Sampling error. Not applicable because the SED is a census.

Coverage error. Due to the availability of comprehensive lists of doctorate-granting institutions, coverage error of institutions is minimal. Because the graduate schools identify degree recipients at the time of doctorate completion, coverage error for individual doctorate recipients is also minimal. Comparisons of the institutions with research doctorate recipients covered by the SED that also report to the [IPEDS Completions Survey](#), collected by the [National Center for Education Statistics](#), confirm that there is minimal coverage error.

Institutions that begin to confer research doctorates are invited to join the SED. If a university that confers research doctorates does not wish to participate in the SED, slight undercounts may result. Graduation lists provided by institutions serve as the primary frame to determine eligible doctorate recipients. In 2025, 17 doctorate-granting universities declined to fully enumerate their doctorate recipients for academic year 2025. Information on the graduates for all but one of these institutions was found from other sources, such as ProQuest. Differences in counts of research doctorate recipients between SED and IPEDS are due to definitional differences.

Nonresponse error.

- *Unit nonresponse.* Of the 59,015 individuals who received a research doctorate in 2025, 91.0% completed the survey ([table A-2](#)). Skeletal records for nonrespondents appear on the data file and contain a limited number of SED critical data items (doctoral institution, year of doctorate, field of doctorate, type of doctorate, and, if available, baccalaureate institution, master's degree institution, and sex) that are constructed for nonrespondents from administrative records of the university, such as commencement programs, graduation lists, and other public records.

Unit nonresponse was concentrated in a small number of institutions: 12 of the 460 doctorate-granting institutions accounted for about 40% of the total nonrespondents, with an additional 7 institutions accounting for another 10% of the total nonrespondents. Thus, about half of survey nonrespondents were from 19 institutions.

- *Item nonresponse.* Due to data collected as part of nonrespondent skeletal records, item missing rates for the five key SED variables—sex, citizenship, country of citizenship, race and ethnicity, and location after graduation—were lower than the unit nonresponse rate and ranged from 0.0% for sex to 8.4% for postgraduation location. [Table A-3](#) shows item response rates for all research doctorate recipients from 2019–25 for all variables used in the data tables (see clarifying notes in the table).

Measurement error. The primary source of measurement error in the SED is attributable to incomplete or updated information provided by respondents or degree-granting institutions and to educational history provided by respondents.

Data on doctorate recipients for previous years are updated with data received from institutions and respondents after the close of data collection for a given year. Updates and corrections to graduation dates can also change the overall counts for prior years. The published tables reflect these changes and thus may not match previously published data.

An instrument change made to reduce respondent burden resulted in substantial increase in nonresponse for the community college credit question. Response to a pop-up asking whether or not an associate's degree was earned was made optional in 2025; however, 10,322 respondents declined to confirm they had not received an associate's degree and therefore were not shown the community college question. To maintain data comparability, the 10,322 respondents were assumed to have no associate's degree and their community college credit response was statistically imputed.

Data Comparability

Changes in survey coverage and population. For the 2025 cycle, two institutions were added and two institutions were removed from the SED universe.

Changes in questionnaire. The following changes were made to the questionnaire in 2025:

New questions.

None.

Revisions to existing questions.

Sex. During the 2025 data collection, a nonsubstantive change was made to the wording of the sex question in alignment with [Executive Order 14168](#). The question was updated to read "What is your sex?" and the response options remained the same: "Male" and "Female."

Of the 59,015 doctorate recipients in 2025, 32,216 responded to the survey with the original question wording in the 11 months of data collection before the change. The remaining respondents received the revised question. The 2025 SED data files and products derive sex data using the responses to both the original question wording and the revised wording. The resulting distribution of respondents on the sex item was similar to prior years.

Earned credits from a community college. In an effort to reduce respondent burden, answering whether an associate's degree was earned became optional, reducing the number of responses. But as a result, the follow-up question about earning any credit at a community college was not asked for those who skipped confirming that they did not earn an associate's degree, reducing response on this item as well. To keep these items comparable with prior years, those who did not answer the associate's degree item were assumed to have no associate's degree and their community college credit response was statistically imputed.

Changes in reporting procedures or classification.

- *Carnegie classification.* Since 2023, the [2021 Carnegie Classifications](#) of the doctoral institutions have been used in the data tables.
- *Field of study.* The SED collects field of study data from doctoral recipients using SED-CIP codes and reports field data using two different aggregations: the current, SED-CIP-based taxonomy and a trend taxonomy that facilitates trend comparisons across time. The current, SED-CIP-based taxonomy ([table A-4](#) and [table A-5](#)) is aligned with other NCSES surveys, optimized for the SED-CIP data, and used in [table 3-1](#) through [table 9-19](#). The trend taxonomy ([table A-6](#)) facilitates data comparisons between pre-2021 data and subsequent years and is used in [table 1-3](#) through [table 2-8](#). Therefore, the field-level counts of doctorates for 2021 and subsequent years in time series tables using the trend taxonomy do not match counts in tables that only use data from 2021 forward, presented in the current taxonomy. For a comparison between the two taxonomies, see [table A-7](#).

As of 2021, SED collects field of study and doctorate dissertation field data using a modified version of the [2020 Classification of Instructional Programs \(CIP\)](#) codes maintained by the National Center for Education Statistics. The SED-CIP modifications are as follows:

- The addition of over 80 degree fields not in the 2020 CIP, including codes collected in the SED prior to 2021 or identified in emerging field reviews since 2021. This includes 20 SED-CIP codes added in 2025 from an emerging doctorate field review based on doctorate field data collected in prior years. These SED-CIP codes are noted in [table A-5](#) and [table A-6](#) with a letter suffix.
- CIP fields not eligible for IPEDS reporting and selected other codes are excluded: 28 (Military science, leadership, and operational art), 32 (Basic skills and development/remedial education), 33 (Citizenship activities), 34 (Health-related knowledge and skills), 35 (Interpersonal and social skills), 36 (Leisure and recreational activities), 37 (Personal awareness and self-improvements), and 53 (High school/secondary diplomas and certificates).
- CIP series codes that are primarily used to report associate's degrees to IPEDS are limited in the SED to associate's degree fields only, including: 12 (Culinary, entertainment, and personal services), 46 (Construction trade), 47 (Mechanic and repair technology/technicians), and 48 (Precision production).
- The conversion of the CIP 60 (Health professions residency/fellowship) and 61 (Medical residency/fellowship) series codes to SED-CIP 70 and 71 series codes, respectively, to capture the research fields for reporting of doctorate dissertation fields only.

The SED-CIP code list includes over 1,650 fields for reporting, compared to 334 field codes collected prior to 2021. The SED-CIP codes are aggregated into 315 detailed fields, 68 major fields, and 16 broad fields ([table A-4](#)). In 2025, minor revisions were made to the detailed field taxonomy to improve data utility. Specifically, seven detailed fields were added, one was removed due to low counts, and one was renamed ([table A-4](#) and [table A-5](#)). This SED-CIP taxonomy includes multidisciplinary/interdisciplinary sciences and multidisciplinary /interdisciplinary studies to capture and track emerging fields aligned to the NCSES Taxonomy of Disciplines for comparison with other NCSES surveys. The complete SED-CIP list with corresponding detailed, major, and broad fields is in [table A-5](#). All single-year and 2021–present data tables ([table 3-1](#) through [table 9-18](#)) use the new SED-CIP taxonomy.

To facilitate the trend data comparison with prior years, the trend field taxonomy presents modified aggregation for multiyear data tables with data earlier than 2021 ([table 1-1](#) through [table 2-8](#)). The trend broad and major fields are available from 1958 to the present. The trend field taxonomy was designed to align the historical field of study codes used to collect data in 2020 and earlier and the new broad and major fields in the SED-CIP taxonomy to the extent possible ([table A-7](#)). The trend field taxonomy aggregates historical field of study and SED-CIP data into 14 trend broad fields and 62 trend major fields as

compared with 8 broad fields and 35 major fields in the historical field taxonomy. [Table A-6](#) provides the alignment of the historical fine field codes to the new trend broad and major fields. The trend field taxonomy replaced the historical field taxonomy used in SED tables in 2020 and earlier, as well as trend tables prior to 2023. [Table A-7](#) provides a comparison of the historical, trend, and current field taxonomies.

This results in generally comparable trend broad and major fields with some limitations. For example, it is not known how respondents who reported the SED-CIP field of “electrical engineering and computer science” in the current survey would have chosen their field under the historical SED-FOS list that included two separate fields “electrical engineering” and “computer science” only. For more information, see the working paper [Survey of Earned Doctorates Field of Study Taxonomy Changes in 2021 and Impact on Trend Data](#).

- *Salary.* Median salary is calculated from exact salary values when provided by the respondent. Salary imputation was dropped as of 2015 due to the increase in exact salary response rate. From 2011 to 2014, if a respondent selected a salary range instead of providing an exact salary value, exact salary values were imputed for median salary calculation purposes by applying hot-deck imputation based on salary range and other relevant respondent characteristics. Prior to 2011, median salary was calculated directly from the salary range values via interpolation methods, and exact salary values were not used in the calculation of median salary. Only salary data from doctorate recipients reporting definite commitments for employment or for a postdoc position in the United States are included in median salary calculations.
- *Functional limitations (previously “disability”).* Questions pertaining to functional limitations have been asked in several different ways since the initial item was added in 1985. Changes to the question in 2010 coincided with a much higher proportion of respondents reporting functional limitations in all categories—more than double in some cases. The current functional limitations items were introduced in 2012; these ask for both the presence and severity of functional limitations in each of several domains which do not precisely overlap with the items from prior surveys. Due to the changes in this item, trend comparisons using data collected from 1985–2012 should be made with caution.
- *Debt.* Since 2001, respondents have been asked to indicate the amount of education-related debt they owe, with separate response categories for graduate and undergraduate education. To estimate overall debt, the midpoint of the chosen range for undergraduate and for graduate debt was selected and summed to yield a total debt amount. Where median debt levels are presented in this report (i.e., [table 4-4](#) and [table 4-5](#)), the individual values for debt are assigned as the midpoint of the chosen range for graduate and undergraduate debt. Doctorate recipients who chose the lowest debt category (no debt) were assigned a value of \$0 for the computation of median debt levels. Doctorate recipients who chose the uppermost category available prior to 2019 (\$90,001 or more) were assigned a value of \$95,000 for the computation of median debt levels. In 2019, additional response options were added at the upper range for graduate debt with the highest being \$160,001 or more. Doctorate recipients who choose this uppermost category are assigned a value of \$165,000 for the computation of median debt levels. All valid responses, including “no debt,” are included in the computation of all median debt data in the data tables.
- *Citizenship.* The citizenship status variable is used to identify the appropriate citizenship category of respondents, including the citizenship category of respondents who did not respond to the citizenship status survey item. The code framework for the citizenship status variable is outlined below.

Code	Citizenship category
0	U.S. native born
1	U.S. naturalized citizen
2	Non-U.S. immigrant (permanent resident)
3	Non-U.S. non-immigrant (temporary U.S. visa)
4	Non-U.S., visa status unknown

U	U.S. citizen, unspecified
Blank	Missing or citizenship unknown

Respondents who indicated a U.S. birthplace, regardless of what they reported for citizenship status, were assigned code 0.

In 1999, code 4 (non-U.S., visa status unknown) was introduced, and data were back-coded through 1997. Respondents who designated a non-U.S. country for the country of citizenship item but did not respond to the citizenship status item were assigned code 4 for citizenship status. From 1997 to 2003, foreign-born respondents who did not indicate their country of citizenship or citizenship status were assigned to code 4 if three out of four geographic variables—place of birth, place of high school, place of college entry, and postgraduation location—were non-U.S. locations. Beginning with the 2004 SED, the variable “place of baccalaureate institution” replaced “place of college entry” in the assignment of a citizenship code for respondents who did not indicate citizenship status.

For tabulations in this report, code 4 was combined with code 3—that is, counts of doctorate recipients in the temporary visa holder category include non-U.S. citizens with unknown visa status. This is consistent with coding procedures in previous data collections. However, the existence of code 4 allows the microdata user to exclude cases for which visa status is unknown. Prospective data users should note, however, that the number of cases in the code 4 group is not sufficient to warrant analysis as a separate citizenship category.

Non-U.S. citizens who did not report a country of citizenship but reported the same non-U.S. country for three out of four geographic variables—place of birth, place of high school, place of baccalaureate institution, and postgraduation location—were assigned that reported country as their country of citizenship.

- *Median computation.* Since 1994, medians have been computed as outlined below. When months are included, they are converted to the number of days corresponding to the first day of the month. In 2017, the method for accounting for leap days changed to reflect the actual number of leap days during the time period specified, rather than the prior method of adding 0.25 days to each year.
 - *Median age.* Months (of birth and doctorate award) are included in the calculation of median age whenever available. Beginning in 2015, if birth month is missing, the month value is randomly imputed. Prior to 2015, the missing month value was assigned to the month the doctorate was received.
 - *Time to degree from bachelor's completion.* Months are included in the calculation of total time to degree. If months are missing, month values are assigned to the modal value for doctorate recipients who provide month of bachelor's completion and converted to the number of days corresponding to that month.
 - *Time to degree from graduate school entry.* Months are included in the calculation of graduate school time to degree. If months are missing in the calculation of graduate school time to degree, month values are assigned to the modal value for doctorate recipients who provided month of graduate entry. Reports published before 2004 reported a different time-to-degree measure: registered time to degree. Comparisons of graduate school time-to-degree data with pre-2004 registered time-to-degree data should be interpreted cautiously. For an explanation of registered time to degree, see the technical notes of any *Doctorate Recipients from U.S. Universities* published before 2004.
 - *Time to degree from doctoral program entry.* This variable was first included in 2015. Doctoral program entry is based on master's degree program entry if the master's degree was at the doctoral institution in the same field of study or if it was a prerequisite to the doctorate; otherwise, it is based on doctoral program entry. Months are included in the calculation of doctoral program time to degree. If the month of entry used in the calculation (master's degree program entry or doctoral program entry) was not reported, the entry month is assigned to the modal value for all cases that did report the entry month in the academic year the case was added to the Doctorate Records File (typically the academic year matching the graduation date of the case).

- *Data Tables.* The SED data tables were reorganized and renumbered in the 2021 cycle; see [technical table B-1](#) for a crosswalk comparing the current data tables with those prior to 2021.

Definitions

Basic annual salary. Annual salary expected to be earned from the doctorate recipient's principal job in the next year after receiving the doctorate, not including bonuses or additional compensation for summertime teaching or research.

Carnegie classification (institution categories). In this report, four types of doctorate-granting institutions identified in the figures and tabulations are defined according to the Carnegie classification scheme as updated in 2021: doctoral very high research, doctoral high research, doctoral/professional universities, and other universities (comprised of all other classifications). Institutions are classified according to their aggregate and per-capita levels of research activity, using indicators of research and development expenditures, staffing (including postdoctoral appointees and other nonfaculty research staff with doctorates), and doctoral conferrals in science and engineering and other fields.

Definite plans to stay in the United States. A respondent is coded as having definite plans to stay in the United States if the reported postgraduation location was in the United States and the reported postgraduation plans for employment or postdoc were coded "definite."

Definite postgraduation plans. The status of postgraduation plans is coded using the values from item B2 of the survey questionnaire, which indicate whether the doctorate recipient's postgraduation plans for employment or a postdoc position were definite at the time the survey was completed.

Ever attended community college. A respondent is coded as having attended community college if the respondent reported earning an associate's degree or credit from a community college.

Field of study. The SED collects data on over 1,650 fields of study aggregated into 315 detailed fields, 68 major fields, and 16 broad fields. See [table A-5](#) for a full listing of the SED-CIP codes and their alignment to the detailed, major, and broad fields of study and trend broad and major fields in 2025. See [table A-6](#) for the pre-2021 historical field to trend field crosswalk. See [table A-7](#) for a comparison of the taxonomies.

Doctorate recipients report their fields of study and doctorate dissertation. Their choices may differ from departmental names. Field groupings may differ from those in other reports published by federal sponsors of the SED. The "general" field categories (e.g., "chemistry, general") include individuals who either received the doctorate in the general subject area or who did not indicate a particular specialty field. The "nec" or not elsewhere classified field categories (e.g., "chemistry nec") include individuals whose specified doctoral discipline either did not fit into aggregation within major fields or who reported the "other" CIP code (i.e., "chemistry, other") ([table A-4](#)).

Some respondents do not self-code their field of degree and instead provide a text string that must be manually coded by the survey contractor. When manual coding is required, a pair of trained reviewers independently code each text entry, and any discrepancies between the two coders are resolved by a third, more expert reviewer. All manual coding is subject to a final review by NCSES. Generally, the percentage of responses in these data requiring manual coding is low. In 2025, 0.2% of doctorate fields of study reported by respondents were manually coded, as well as 0.6% of associate's degree fields, 0.2% of bachelor's degree fields, and 0.4% of master's degree fields.

Median age at doctorate. One-half of the respondents received the doctorate at or before this age. A recipient's age is obtained by subtracting the month and year of birth from the month and year of doctorate.

Percentage with master's. This variable is the percentage of doctorate recipients in a field who received a master's degree in any field before earning the doctorate.

Research doctorate. A research doctoral degree is oriented toward preparing students to make original intellectual contributions in a field of study and is not primarily intended for the practice of a profession. Research doctorates require the completion of a dissertation or equivalent project.

Time to doctorate. The time it takes to complete a doctoral degree is measured in three ways: (1) the time elapsed from completion of the baccalaureate to completion of the doctorate (total time to degree), (2) the time elapsed from the start of any graduate school program to completion of the doctorate (graduate school time to degree), and (3) the time elapsed from the start of the doctoral program. Time-to-doctorate measures herein are reported as medians. In 2017, the method for accounting for leap days changed to reflect the actual number of leap days during the time period specified, rather than the prior method of adding 0.25 days to each year.

- *Total time to degree.* This variable is the total elapsed time between the baccalaureate and the doctorate, including time not enrolled in school. It can be computed only for individuals whose baccalaureate year is known. Baccalaureate year is often obtained from commencement programs or doctorate institutions when not reported by the recipient.
- *Graduate school time to degree.* This variable is the elapsed time from the initiation of graduate study, in any program or capacity at any university, and the award of the doctorate. This variable can be computed only for individuals who provided the year they started graduate school. If an individual did not respond to this question, which asks for the month and year of first entry into any graduate school, then values for graduate school month and year of entry are obtained from the earliest non-missing date available from a series of items associated with a graduate school entry. Months are included in the computation.
- *Doctoral program time to degree.* This variable is either (1) the elapsed time from the most recent master's degree program entry, if the master's degree was awarded at the doctoral institution and was in the same field as the doctorate or if the master's degree was a prerequisite to the doctoral program until doctorate completion; otherwise, it is (2) the elapsed time from the doctoral program entry until doctorate completion. This variable is only computed for academic year 2015 and later doctorates.

U.S. regions of employment. This variable is used to classify the location of U.S. employment after award of the doctorate.

U.S. Region	U.S. States and Territories
Midwest	Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, Wisconsin
Northeast	Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, Vermont
South	Alabama, Arkansas, Delaware, District of Columbia, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, West Virginia
West	Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, Wyoming, American Samoa, Guam, Puerto Rico, Trust Territories, Virgin Islands

Technical Tables

Table	Title
A-1	Research doctoral degrees included in the Survey of Earned Doctorates: 2021–25
A-2	Survey response rates: 1970–2025
A-3	Survey item response rates: 2019–25
A-4	SED field of doctorate taxonomy, by SED-CIP series/codes: 2025
A-5	Doctoral SED-CIP code to current and trend field taxonomies: 2025
A-6	Historical SED-FOS code crosswalk to trend broad and major fields for data collected prior to SED 2021: 2025
A-7	Comparison of the current field taxonomy to the trend field and the historical field taxonomies, by field level: 2025
B-1	SED data table crosswalk: 2020 vs. 2021–present

Table A-1. Research doctoral degrees included in the Survey of Earned Doctorates: 2021–25

(Number and percent)

Doctoral degree type	Degree title	2021		2022		2023		2024		2025	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All research doctorates		52,158	100.0	57,435	100.0	57,801	100.0	58,013	100	59,015	100.0
PhD	Doctor of Philosophy	51,358	98.5	56,658	98.6	56,990	98.6	57,162	99	58,160	98.6
EdD	Doctor of Education	463	0.9	471	0.8	499	0.9	518	1	534	0.9
DSc, ScD	Doctor of Science	28	0.1	36	0.1	21	*	17	*	17	*
DEng, DESc, DES	Doctor of Engineering or Engineering Science	21	*	19	*	23	*	19	*	22	*
DA	Doctor of Arts	0	0.0	1	*	0	0.0	0	0	0	0.0
DBA	Doctor of Business Administration	13	*	15	*	14	*	8	*	3	*
DMA	Doctor of Musical Arts	155	0.3	130	0.2	148	0.3	167	0	159	0.3
DDes	Doctor of Design	13	*	4	*	9	*	9	*	14	*
DPH	Doctor of Public Health	34	0.1	24	*	26	*	23	*	31	0.1
DHL	Doctor of Hebrew Letters	0	0.0	1	*	0	0.0	1	*	0	0.0
DME	Doctor of Music Education	2	*	0	0.0	2	*	0	0	1	*
DML	Doctor of Modern Languages	1	*	4	*	4	*	3	*	7	*
DNSc	Doctor of Nursing Science	0	0.0	0	0.0	3	*	0	0	0	0.0
ThD	Doctor of Theology	7	*	8	*	8	*	8	*	6	*
DFA	Doctor of Fine Arts	5	*	4	*	2	*	0	0	4	*
JSD, SJD	Doctor of Juridical Science	54	0.1	57	0.1	48	0.1	77	0	54	0.1
STD	Doctor of Sacred Theology	2	*	2	*	3	*	0	0	2	*
JCD	Doctor of Canon Law	2	*	1	*	1	*	1	*	1	*

* = value between 0.00% and 0.05%.

Note(s):
Due to rounding, percentages may not sum to 100. All PhDs are considered research doctorates; other doctoral degrees included in the Survey of Earned Doctorates are from a small number of doctorate programs that had historical designations as research doctorates.

Source(s):
National Center for Science and Engineering Statistics, Survey of Earned Doctorates.

Table A-2. Survey response rates: 1970–2025

(Percent)

Year	Response rate
1970	98.1
1971	97.5
1972	97.3
1973	97.5
1974	94.2
1975	97.3
1976	97.2
1977	96.6
1978	96.3
1979	96.4
1980	96.2
1981	95.7
1982	95.3
1983	95.5
1984	95.1
1985	94.8
1986	93.5
1987	93.1
1988	92.9
1989	92.3
1990	93.6
1991	94.6
1992	95.1
1993	94.7
1994	94.6
1995	94.2
1996	93.0
1997	91.6
1998	91.9
1999	91.9
2000	92.4
2001	92.7
2002	91.3
2003	91.6
2004	91.3
2005	92.1
2006	93.1
2007	91.7
2008	92.3
2009	92.6
2010	93.0
2011	92.9
2012	92.5
2013	92.0
2014	90.6
2015	90.3
2016	92.0
2017	91.4
2018	92.2
2019	92.2
2020	92.2
2021	91.6
2022	91.7

Table A-2. Survey response rates: 1970–2025

(Percent)

Year	Response rate
2023	91.3
2024	91.6
2025	91.0

Note(s):
Prior year response rates include late responses. The survey response rate for the current year may increase slightly in future publications if additional survey completions are submitted after survey closure.

Source(s):
National Center for Science and Engineering Statistics, Survey of Earned Doctorates.

Table A-3. Survey item response rates: 2019–25

(Percent)

Survey item	Item description	Item source	2019	2020	2021	2022	2023	2024	2025
PHDFY	Fiscal (academic) year of doctorate	A1 or Institution	100.0	100.0	100.0	100.0	100.0	100.0	100.0
PHDCY	Calendar year of doctorate	A1 or Institution	100.0	100.0	100.0	100.0	100.0	100.0	100.0
PHDINST	Doctoral institution (IPEDS code)	Institution	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Educational background									
Bachelor's degrees									
BADEGRN	Number of bachelor's degrees received	A8	96.7	96.1	96.3	95.9	95.3	96.0	95.0
BASAME	Baccalaureate field same as doctorate	BAFIELDDCIP, PHDFIELDDCIP	na	na	91.2	91.0	90.3	90.2	89.2
BAFIELD	First baccalaureate field – SED historical FOS code	BAFIELDDCIP	91.4	91.5	na	na	na	na	na
BAFIELDDCIP	First baccalaureate field – SED-CIP code	A17 or Institution	na	na	91.2	91.0	90.3	90.2	89.2
BA2FIELD	Most recent baccalaureate degree field – SED historical FOS code	BA2FIELDDCIP	84.8	84.4	na	na	na	na	na
BA2FIELDDCIP	Most recent baccalaureate field – SED-CIP code	A17	na	na	87.6	88.6	87.5	88.5	86.8
BAINST	First baccalaureate institution (IPEDS code)	A16	96.0	95.2	94.8	94.9	94.6	95.3	94.3
BAPLCD	First baccalaureate institution location	A16, BAINST	96.0	95.2	94.8	94.9	94.6	95.3	94.3
BAHBCU	First baccalaureate institution HBCU indicator	A16, BAINST	96.0	95.2	94.8	94.9	94.6	95.3	94.3
BAPUBPRV	First baccalaureate institution public/ private indicator	A16, BAINST	96.0	95.2	94.8	94.9	94.6	95.3	94.3
High school and community college									
JRCOLL	Community college attendance indicator	A10	91.9	92.0	91.0	91.0	90.4	90.3	89.3
HSPLCD	Place of high school	C9	88.6	94.9	93.9	94.0	93.6	93.5	92.8
Master's and professional degrees									
MADEGRN	Number of master's degrees received	A8	91.8	91.8	91.6	91.5	90.9	91.4	90.0
MASAME	Master's degree field same as doctorate	MAFIELDDCIP, PHDFIELDDCIP	na	na	91.1	91.0	90.3	90.8	89.5
MAFIELD	Most recent master's degree field – SED historical FOS code	MAFIELDDCIP	91.1	91.2	na	na	na	na	na
MAFIELDDCIP	Most recent master's degree field – SED-CIP code	A22	na	na	91.0	91.0	90.3	90.8	89.5
PROFEARN	Earned or earning a professional doctoral degree	A8, A9	89.4	89.2	88.8	89.6	89.4	89.1	88.8
Educational debt									
GDEBTLVL	Graduate debt level	A40	91.2	91.2	90.6	90.5	89.9	89.7	88.8
UDEBTLVL	Undergraduate debt level	A40	91.3	91.3	90.6	90.5	89.9	89.7	88.8
Postgraduation plans									
PDOCPLAN	Postgraduation plans	B2, B3, B10	91.3	91.3	90.7	90.6	90.0	89.9	89.0
PDOCSTAT	Postgraduation status	B2	91.5	91.4	90.9	90.8	90.1	90.0	89.1
PDPLCD	Postgraduation location	B1, B5, B12	93.2	92.8	92.5	92.0	91.7	92.1	91.6
PDUSFOR	Postgraduation location: U.S. or foreign	B1, B5, B12	93.2	92.8	92.5	92.0	91.7	92.1	91.6
PDREGION	Postgraduation U.S. region	B1, B5, B12	90.1	90.2	89.8	89.7	89.2	89.2	88.0
PDSAMEST	Postgraduation location in the same state as doctoral institution	B1, PHDINST	90.1	90.2	89.8	89.7	89.2	89.2	88.0
PDEMPLOY	Postgraduation employer type	B4, B11	90.3	90.2	89.9	89.6	89.0	88.9	88.1
PDEMPSECTOR	Postgraduation employment sector	PDEMPLOY	90.3	90.2	89.9	89.6	89.0	88.9	88.1
PDFACULTY	Employment in faculty position	B12, B13	87.2	87.0	85.4	84.9	84.6	83.9	83.3
PDSTDSUP	Postdoctoral study support	B7	88.6	88.4	87.9	89.0	88.4	88.4	87.6

Table A-3. Survey item response rates: 2019–25

(Percent)

Survey item	Item description	Item source	2019	2020	2021	2022	2023	2024	2025
PDWKPRIM	Edited primary work activity	B6, B14	87.6	87.2	87.0	87.7	87.4	87.6	87.1
PDWKSEC	Edited secondary work activity	B6, B14	86.6	86.5	86.5	87.2	80.0	86.5	85.7
SALARYV	Expected basic annual salary	B8, B15	85.2	85.5	84.3	84.5	83.9	83.7	82.5
Sources of financial support									
SRCEA	Source of financial support: Fellowship, scholarship	A38	89.1	88.9	88.5	89.2	88.7	88.9	88.3
SRCEB	Source of financial support: Dissertation/ research grant	A38	89.1	88.9	88.5	89.2	88.7	88.9	88.3
SRCEC	Source of financial support: Teaching assistantship	A38	89.1	88.9	88.5	89.2	88.7	88.9	88.3
SRCED	Source of financial support: Research assistantship	A38	89.1	88.9	88.5	89.2	88.7	88.9	88.3
SRCEE	Source of financial support: Other assistantship	A38	89.1	88.9	88.5	89.2	88.7	88.9	88.3
SRCEF	Source of financial support: Traineeship	A38	89.1	88.9	88.5	89.2	88.7	88.9	88.3
SRCEG	Source of financial support: Internship, clinical residency	A38	89.1	88.9	88.5	89.2	88.7	88.9	88.3
SRCEH	Source of financial support: Loans (from any source)	A38	89.1	88.9	88.5	89.2	88.7	88.9	88.3
SRCEI	Source of financial support: Personal savings	A38	89.1	88.9	88.5	89.2	88.7	88.9	88.3
SRCEJ	Source of financial support: Personal earnings during graduate school	A38	89.1	88.9	88.5	89.2	88.7	88.9	88.3
SRCEK	Source of financial support: Spouse's, partner's, or family's earnings or savings	A38	89.1	88.9	88.5	89.2	88.7	88.9	88.3
SRCEL	Source of financial support: Employer reimbursement/ assistance	A38	89.1	88.9	88.5	89.2	88.7	88.9	88.3
SRCEM	Source of financial support: Foreign (non-U.S.) support	A38	89.1	88.9	88.5	89.2	88.7	88.9	88.3
SRCEN	Source of financial support: Other source of support	A38	89.1	88.9	88.5	89.2	88.7	88.9	88.3
SRCEPRIM	Primary source of financial support	A39	88.6	88.5	88.2	88.9	88.4	88.5	88.0
SRCESEC	Secondary source of financial support	A39	84.0	84.0	86.6	87.2	86.8	86.7	86.2
TUITREMS	Tuition remission - full or partial	A7	89.5	89.4	89.3	90.0	89.7	89.9	89.2
Time to degree									
BAYEAR	First baccalaureate year	A8	95.9	95.4	95.9	95.6	95.0	95.4	94.4
GEMONTH	Month of graduate program entry	A11	92.0	92.0	91.8	91.9	91.4	91.3	90.3
GEYEAR	Year of graduate program entry	A11	92.1	92.1	91.9	92.0	91.4	91.3	90.3
MAEYEAR	Entered most recent master's degree year	A8	89.0	88.8	88.7	89.6	89.2	89.9	88.8
TTDBAPHD	Total elapsed time from baccalaureate to doctorate	PHDMONTH, PHDCY, BAMONTH, BAYEAR	95.9	95.4	95.9	95.6	95.0	95.4	94.4
TTDDOC	Total elapsed time in doctorate	PHDMONTH, PHDCY, PHDEMONTH, PHDEYEAR	89.6	89.5	89.5	90.3	90.0	90.2	89.4
TTDGEPHD	Total elapsed time from graduate school entry to doctorate	PHDMONTH, PHDCY, GEMONTH, GEYEAR	92.1	92.1	91.9	91.9	91.4	91.3	90.3

na = not applicable; data either were not collected or derived in that year.

CIP = Classification of Instructional Program; FOS = field of study; HBCU = historically Black college and university; IPEDS = Integrated Postsecondary Education Data System; SED = Survey of Earned Doctorates.

Note(s):
Survey items listed above are those utilized in the data tables. Survey item response rate is the percentage of cases providing data on an item divided by the universe of doctorate recipients eligible to answer that item, consistent with American Association of Public Opinion Research (AAPOR) response rate calculation 3. For most data items, all doctorate recipient respondents are in the universe of eligible respondents. Institution-provided data may be used for some items when respondents do not provide the data; thus response rates for those items are higher than the survey response rate. The item source refers to the question numbers in the survey questionnaire for the most recent survey year in this table: <https://nces.nsf.gov/surveys/earned-doctorates/2024#questionnaires>.

Source(s):
National Center for Science and Engineering Statistics, Survey of Earned Doctorates.

Table A-4. SED field of doctorate taxonomy, by SED-CIP series/codes: 2025

(Field)

Field of doctorate	Field level ^a	SED-CIP series/ codes
Science and engineering	Area	See below
Agricultural sciences and natural resources	Broad	Most of 01, 03 (see below)
Agricultural, animal, plant, and veterinary sciences	Major	All 01 except 01.0103, 01.05, 01.82
Agronomy and crop science	Detailed	01.1102
Animal sciences	Detailed	01.09
Food science and technology	Detailed	01.10
Plant sciences	Detailed	01.11 except 01.1102
Soil sciences	Detailed	01.12
Veterinary biomedical and clinical sciences	Detailed	01.80, 01.81, 01.83, 01.1302, 01.1399
Agricultural, animal, plant, and veterinary sciences nec	Detailed	All other 01 except 01.0103, 01.05, 01.82
Natural resources and conservation	Major	All 03 except 03.0204
Environmental science	Detailed	03.0104
Environmental/ natural resources management and policy	Detailed	All 03.02 except 03.0204
Forestry	Detailed	03.05
Natural resources conservation and research	Detailed	All 03.01 except 03.0104
Natural resources and conservation nec	Detailed	03.03, 03.06, 03.99
Biological and biomedical sciences	Broad	26
Biochemistry, biophysics, and molecular biology	Major	26.02
Biochemistry	Detailed	26.0202
Biochemistry and molecular biology	Detailed	26.0210
Biochemistry and biophysics	Detailed	26.0299c
Biophysics	Detailed	26.0203, 26.0203b, 26.0206
Molecular biology	Detailed	26.0204
Biochemistry, biophysics, and molecular biology nec	Detailed	All other 26.02
Bioinformatics, biostatistics, and computational biology	Major	26.11
Bioinformatics	Detailed	26.1103
Biostatistics	Detailed	26.1102
Computational biology	Detailed	26.1104
Bioinformatics, biostatistics, and computational biology nec	Detailed	All other 26.11
Biological and biomedical sciences, general	Major	26.01
Biology/ biological sciences, general	Detailed	26.0101, 26.0101b
Biomedical sciences, general	Detailed	26.0102
Cell/ cellular biology and anatomy	Major	26.04
Cell/ cellular and molecular biology	Detailed	26.0406
Developmental biology and embryology	Detailed	26.0404
Cell/ cellular biology and anatomy nec	Detailed	All other 26.04
Ecology, evolutionary biology, and epidemiology	Major	26.13 except 26.1302
Ecology	Detailed	26.1301
Ecology and evolutionary biology	Detailed	26.1310, 26.1399b
Epidemiology	Detailed	26.1309
Epidemiology and biostatistics	Detailed	26.1311
Evolutionary biology	Detailed	26.1303
Ecology, evolutionary biology, and epidemiology nec	Detailed	All other 26.13 except 26.1302
Genetics and genomics	Major	26.08
Genetics, general	Detailed	26.0801
Genome sciences and genomics	Detailed	26.0807
Human/ medical genetics	Detailed	26.0806

Table A-4. SED field of doctorate taxonomy, by SED-CIP series/codes: 2025

(Field)

Field of doctorate	Field level ^a	SED-CIP series/ codes
Molecular genetics	Detailed	26.0802
Genetics and genomics nec	Detailed	All other 26.08
Microbiology and immunology	Major	26.05
Immunology	Detailed	26.0507
Microbiology and immunology	Detailed	26.0508
Microbiology, general	Detailed	26.0502
Virology	Detailed	26.0504
Microbiology and immunology nec	Detailed	All other 26.05
Neurobiology and neurosciences	Major	26.15
Cognitive neuroscience	Detailed	26.1599b
Computational Neuroscience	Detailed	26.1599c
Neurobiology	Detailed	26.1503, 26.1504
Neuroscience	Detailed	26.1501
Neurobiology and neurosciences nec	Detailed	All other 26.15
Pharmacology and toxicology	Major	26.10
Pharmacology	Detailed	26.1001
Toxicology	Detailed	26.1004, 26.1005, 26.1006
Pharmacology and toxicology nec	Detailed	All other 26.10
Physiology, oncology, and cancer biology	Major	26.09
Biomechanics	Detailed	26.0913
Exercise physiology and kinesiology	Detailed	26.0908
Oncology and cancer biology	Detailed	26.0911
Physiology, general	Detailed	26.0901
Physiology, oncology, and cancer biology nec	Detailed	All other 26.09
Biological and biomedical sciences, other	Major	All other 26
Botany and plant biology	Detailed	26.0301
Entomology	Detailed	26.0702, 26.0702b, 26.0702c
Plant pathology and phytopathology	Detailed	26.0305, 26.0305b
Plant physiology and biology nec	Detailed	All 26.03 except 26.0301, 26.0305
Zoology and animal biology	Detailed	All 26.07 except 26.0702
Biological and biomedical sciences nec	Detailed	26.1201, 26.1401, 26.9999
Computer and information sciences	Broad	11
Computer science	Major	11.07
Computer science	Detailed	11.07
Computer and information sciences, other	Major	All 11 except 11.07
Artificial intelligence	Detailed	11.0102
Computer and information sciences, general	Detailed	11.0101
Computer systems networking and telecommunications	Detailed	11.09, 11.10 except 11.1003b
Cybersecurity	Detailed	11.1003b
Informatics and information technology	Detailed	11.0103, 11.0104, 11.0105
Information sciences/ studies	Detailed	11.04
Computer and information sciences nec	Detailed	11.0199, 11.02, 11.03, 11.05, 11.06, 11.08, 11.99
Engineering	Broad	14, most 15 (see below)
Aerospace, aeronautical, astronautical, and space engineering	Major	14.02, 14.1901b, 15.0801, 49.0101
Aerospace, aeronautical, astronautical, and space engineering, general	Detailed	14.0201
Mechanical and aerospace engineering	Detailed	14.1901b
Aerospace, aeronautical, astronautical, and space engineering, other	Detailed	14.02 except 14.0201, 15.0801, 49.0101
Biological, biomedical, and biosystems engineering	Major	14.05, 14.45, 15.0401
Bioengineering and biomedical engineering	Detailed	14.0501

Table A-4. SED field of doctorate taxonomy, by SED-CIP series/codes: 2025

(Field)

Field of doctorate	Field level ^a	SED-CIP series/ codes
Biological and biosystems engineering and biomedical technology	Detailed	14.4501, 15.0401
Chemical and petroleum engineering	Major	14.07, 14.25, 14.32, 14.40–14.44
Chemical and biomolecular engineering	Detailed	14.0702
Chemical engineering	Detailed	14.0701
Petroleum engineering	Detailed	14.2501
Chemical and petroleum engineering nec	Detailed	14.0799, 14.3201, 14.40, 14.4314.44
Civil, environmental, and transportation engineering	Major	14.08, 14.1401, 14.3301, 14.3801, 14.3901
Civil engineering	Detailed	14.0801, 14.0899
Civil and environmental engineering	Detailed	14.0899b
Environmental/ environmental health engineering	Detailed	14.1401
Geotechnical and geoenvironmental engineering	Detailed	14.0802, 14.3901
Structural engineering	Detailed	14.0803
Transportation and highway engineering	Detailed	14.0804
Civil, environmental, and transportation engineering nec	Detailed	14.0401, 14.0805, 14.3301, 14.3801
Electrical and computer engineering	Major	14.09, 14.10, 14.47
Computer engineering	Detailed	14.09
Electrical and computer engineering	Detailed	14.4701
Electrical and electronics engineering	Detailed	14.1001
Electrical and computer engineering nec	Detailed	14.1003, 14.1004, 14.1099, 14.1099b
Engineering technologies	Major	All 15 except 15.0401, 15.0801, 15.1102, 15.15, 15.16
Electrical and electronic engineering technologies	Detailed	15.03
Electromechanical technologies	Detailed	15.04 except 15.0401
Environmental control technologies	Detailed	15.05
Engineering technologies nec	Detailed	All other 15 except 15.0801, 15.1102, 15.15, 15.16
Industrial engineering and operations research	Major	14.27, 14.35, 14.36, 14.37
Industrial engineering	Detailed	14.3501
Industrial and systems engineering	Detailed	14.3501b
Operations research	Detailed	14.37
Systems and manufacturing engineering	Detailed	14.2701, 14.3601
Materials and mining engineering	Major	14.0601, 14.18, 14.2001, 14.2101, 14.2801
Materials engineering	Detailed	14.1801
Materials science and engineering	Detailed	14.1801b
Materials and mining engineering nec	Detailed	14.0601, 14.2001, 14.2101, 14.2801
Mechanical engineering	Major	14.19, 14.41, 14.42
Mechanical engineering, general	Detailed	14.1901
Mechanical engineering nec	Detailed	14.4101, 14.4201
Engineering, other	Major	All other 14, 15.0801, 15.15, 15.16
Agricultural and natural resources engineering	Detailed	14.0301, 14.2401, 14.3401
Engineering mechanics, physics, and science	Detailed	14.11, 14.1201, 14.1301
Nanotechnology, nanoscience, and nanoengineering	Detailed	14.9999e, 15.1601, 30.9999c
Nuclear engineering	Detailed	14.2301
Engineering nec	Detailed	14.01, 14.2201, 14.48, 14.99, 15.15
Geosciences, atmospheric, and ocean sciences	Broad	40.04, 40.06, 15.1102, 26.1302, 30.32, 30.35, 30.38, 30.41
Geological and earth sciences	Major	40.06, 15.1102, 30.38, 30.4101
Geochemistry	Detailed	40.0602, 40.0606
Geology	Detailed	40.0601c
Geology/ earth science, general	Detailed	40.0601, 40.0601b, 40.0601d
Geophysics and seismology	Detailed	40.0603
Hydrology and water resources science	Detailed	40.0605
Geological and earth sciences nec	Detailed	40.0604, 40.0699, 15.1102, 30.38, 30.4101

Table A-4. SED field of doctorate taxonomy, by SED-CIP series/codes: 2025

(Field)

Field of doctorate	Field level ^a	SED-CIP series/ codes
Ocean, marine, and atmospheric science	Major	40.04, 40.0607, 26.1302, 30.32, 30.35
Atmospheric sciences and meteorology, general	Detailed	40.0401
Climatology, atmospheric chemistry/ physics	Detailed	40.0402, 40.0403
Marine biology and biological oceanography	Detailed	26.1302
Marine sciences	Detailed	30.32
Oceanography, chemical/ physical	Detailed	40.0607
Atmospheric sciences and meteorology nec	Detailed	40.0404, 40.0499, 40.0499b, 30.3501
Health sciences	Broad	51, 31.0505
Nursing and nursing science	Major	51.3203, 51.38, 51.39
Nursing education	Detailed	51.3203
Nursing science	Detailed	51.3808
Nursing specialties and practice	Detailed	51.38, 51.39
Pharmacy and pharmaceutical sciences	Major	51.20
Medicinal and pharmaceutical chemistry	Detailed	51.2004
Pharmaceutical sciences	Detailed	51.2010
Pharmacy, pharmaceutical sciences, and administration nec	Detailed	All other 51.20
Public health	Major	51.22
Environmental health	Detailed	51.2202
Health services research	Detailed	51.2211b
Health/ medical physics	Detailed	51.2205
Public health education and promotion	Detailed	51.2207
Public health, general	Detailed	51.2201
Public health nec	Detailed	All other 51.22
Health sciences, other	Major	All other 51, 31.0505
Communication disorders sciences	Detailed	51.02
Exercise science and kinesiology	Detailed	31.0505
Health sciences, general	Detailed	51.00
Marriage and family therapy/ counseling	Detailed	51.1505
Medical clinical sciences	Detailed	51.14
Medical, biomedical, and health informatics	Detailed	51.27
Mental health, counseling, and therapy services and sciences	Detailed	51.15
Rehabilitation and therapeutic sciences	Detailed	51.23
Health sciences nec	Detailed	All other 51
Mathematics and statistics	Broad	27, 52.1304
Applied mathematics	Major	27.03, 52.1304
Applied mathematics, general	Detailed	27.0301
Computational and applied mathematics	Detailed	27.0303, 27.0304
Applied mathematics nec	Detailed	All other 27.03, 52.1304
Mathematics	Major	27.01
Algebra and number theory	Detailed	27.0102
Mathematics, general	Detailed	27.0101, 27.0101b
Mathematics nec	Detailed	All other 27.01
Statistics	Major	27.05, 27.06, 27.9999
Applied statistics, general	Detailed	27.0601
Mathematics and statistics	Detailed	27.0502, 27.0503, 27.9999
Statistics	Detailed	27.0501
Statistics nec	Detailed	27.0599, 27.0599b
Multidisciplinary/ interdisciplinary sciences	Broad	see below
Interdisciplinary computer sciences	Major	30.08, 30.16, 30.31, 30.39, 30.48, 30.9999b/d
Computer science and engineering	Detailed	30.9999d

Table A-4. SED field of doctorate taxonomy, by SED-CIP series/codes: 2025

(Field)

Field of doctorate	Field level ^a	SED-CIP series/ codes
Electrical engineering and computer science	Detailed	30.9999b
Human computer interaction	Detailed	30.3101
Interdisciplinary computer sciences nec	Detailed	30.0801, 30.1601, 30.3901, 30.4801
Multidisciplinary/ interdisciplinary sciences, other	Major	see below
Behavioral and cognitive sciences	Detailed	30.1701, 30.25
Computational science and engineering	Detailed	30.30
Data science and data analytics	Detailed	30.70 except 30.7099b, 30.71
Data mining and machine learning	Detailed	30.7099b
History/ philosophy of science, technology, and society	Detailed	30.1501, 54.0104
Nutrition sciences	Detailed	30.1901
Polymer Science and Engineering	Detailed	30.9999e
Multidisciplinary/ interdisciplinary sciences nec	Detailed	30.01, 30.05, 30.06, 30.10, 30.18, 30.20, 30.21, 30.23, 30.26, 30.27, 30.33, 30.34, 30.37, 30.40, 30.42, 30.43, 30.44, 30.46, 30.49, 30.50, 30.51, 30.53, 30.9999h, 30.9999z
Physical sciences	Broad	All 40 except 40.04, 40.06
Astronomy and astrophysics	Major	40.02
Astronomy	Detailed	40.0201
Astrophysics	Detailed	40.0202
Astronomy and astrophysics nec	Detailed	40.0203, 40.0299, 40.0299b, 40.0299c
Chemistry	Major	40.05
Analytical chemistry	Detailed	40.0502
Chemical biology	Detailed	40.0599b
Chemistry, general	Detailed	40.0501
Inorganic chemistry	Detailed	40.0503
Organic chemistry	Detailed	40.0504
Physical chemistry	Detailed	40.0506
Polymer chemistry	Detailed	40.0507
Theoretical and computational chemistry	Detailed	40.0511, 40.0511b
Chemistry nec	Detailed	All other 40.05
Materials sciences	Major	40.10
Materials sciences	Detailed	40.1001
Materials chemistry and materials sciences nec	Detailed	40.1002, 40.1099, 40.1099b
Physics	Major	40.01, 40.08, 40.11, 40.99
Applied physics	Detailed	40.0899b
Atomic/ molecular physics	Detailed	40.0802
Condensed matter and materials physics	Detailed	40.0808
Elementary particle physics	Detailed	40.0804
Nuclear physics	Detailed	40.0806
Optics/ optical sciences	Detailed	40.0807
Physics and astronomy	Detailed	40.1101
Physics, general	Detailed	40.0801
Plasma and high-temperature physics	Detailed	40.0805
Theoretical and mathematical physics	Detailed	40.0810
Physics and physical sciences nec	Detailed	All other 40.08, 40.0101, 40.99
Psychology	Broad	42, 19.0701, 19.0702, 19.0706
Clinical psychology	Major	42.2801, 42.2807
Clinical child psychology	Detailed	42.2807
Clinical psychology	Detailed	42.2801
Counseling and applied psychology	Major	All 42.28 except 42.2801, 42.2807
Applied behavior analysis	Detailed	42.2814
Counseling psychology	Detailed	42.2803
Educational psychology	Detailed	42.2806, 42.2806b

Table A-4. SED field of doctorate taxonomy, by SED-CIP series/codes: 2025

(Field)

Field of doctorate	Field level ^a	SED-CIP series/ codes
Industrial and organizational psychology	Detailed	42.2804
School psychology	Detailed	42.2805, 42.2805b
Counseling and applied psychology nec	Detailed	All other 42.28
Research and experimental psychology	Major	42.27
Behavioral neuroscience	Detailed	42.2706
Cognitive psychology and psycholinguistics	Detailed	42.2701
Developmental and child psychology	Detailed	42.2703
Experimental psychology	Detailed	42.2704
Social psychology	Detailed	42.2707
Research and experimental psychology nec	Detailed	All other 42.27
Psychology, other	Major	42.01, 42.99, 19.0701, 19.0702, 19.0706
Human development	Detailed	19.0701, 19.0702, 19.0706
Psychology, general	Detailed	42.0101
Psychology nec	Detailed	42.9999
Social sciences	Broad	45, 01.0103, 03.0204, 05, 16.0102, 16.0105, 16.0199, 30.47, 43.0104, 44.05
Anthropology	Major	45.02
Anthropology, general	Detailed	45.0201
Cultural anthropology	Detailed	45.0204
Physical and biological anthropology	Detailed	45.0202
Anthropology nec	Detailed	All other 45.02
Area, ethnic, cultural, gender, and group studies	Major	05
American studies	Detailed	5.0102
Area studies	Detailed	05.01 except 05.0102
Ethnic studies	Detailed	05.0200–05.0206
Area, ethnic, cultural, gender, and group studies nec	Detailed	05.0207–05.0212, 05.0299, 05.9999
Economics	Major	45.06, 01.0103, 03.0204
Agricultural economics	Detailed	01.0103
Applied economics	Detailed	45.0602
International and development economics	Detailed	45.0604, 45.0605
Econometrics and quantitative economics	Detailed	45.0603
Economics, general	Detailed	45.0601
Environmental/ natural resource economics	Detailed	45.0602b, 03.0204
Economics nec	Detailed	All other 45.06
Political science and government	Major	45.10
Political science and government, general	Detailed	45.1001
Political science and government nec	Detailed	All other 45.10
Public policy analysis	Major	44.05
Education policy analysis	Detailed	44.0502
Public policy analysis, general	Detailed	44.0501
Public policy nec	Detailed	All other 44.05
Sociology, demography, and population studies	Major	45.05, 45.11
Sociology, general	Detailed	45.1101
Sociology, demography, and population studies nec	Detailed	All other 45.11, 45.05
Social sciences, other	Major	All other 45, 16.0102, 16.0105, 16.0199, 30.11, 30.4701, 43.0104
Applied linguistics	Detailed	16.0105, 16.0199
Archeology	Detailed	45.0301, 45.0301b
Criminology	Detailed	45.0401
Geography and cartography	Detailed	45.07
International relations and national security studies	Detailed	45.09
Linguistics	Detailed	16.0102

Table A-4. SED field of doctorate taxonomy, by SED-CIP series/codes: 2025

(Field)

Field of doctorate	Field level ^a	SED-CIP series/ codes
Social sciences nec	Detailed	45.01, 45.1201, 45.1301, 45.1501, 45.9999, 43.0104, 30.11, 30.4701
Non-science and engineering	Area	see below
Business	Broad	52, 49.0104
Business administration and management	Major	52.02, 49.0104
Business management and administration	Detailed	52.0201
Organizational leadership	Detailed	52.0213
Business administration and management nec	Detailed	All other 52.02, 49.0104
Business, other	Major	All other 52
Accounting and accounting-related	Detailed	52.03
Finance and financial management	Detailed	52.08
Management information systems	Detailed	52.12
Management sciences	Detailed	52.0601, 52.13
Marketing	Detailed	52.14
Organizational behavior studies	Detailed	52.1003
Business nec	Detailed	All other 52
Education	Broad	13
Education leadership and administration	Major	13.04
Educational leadership and administration, general	Detailed	13.0401
Educational leadership and policy	Detailed	13.0499e
Higher education and community college administration	Detailed	13.0406, 13.0407
Education leadership and administration nec	Detailed	All other 13.04
Education research	Major	13.03, 13.05–13.07, 13.09, 13.11
Curriculum and instruction	Detailed	13.0301
Educational assessment, evaluation, and research methods	Detailed	13.0601, 13.0603, 13.0604, 13.0607, 13.0699
Educational/ instructional technology and media design	Detailed	13.05
Higher education evaluation and research	Detailed	13.0608, 13.0699b
Student counseling and personnel services	Detailed	13.11
Education research nec	Detailed	13.07, 13.09
Teacher education and teaching fields	Major	13.02, 13.12, 13.10, 13.13, 13.14
Adult, continuing, and workforce education and development	Detailed	13.1201, 13.1201b
Bilingual, multilingual, and multicultural education	Detailed	13.02
Early childhood education and teaching	Detailed	13.1209, 13.1210
Language and literacy education	Detailed	13.1315b
Mathematics teacher education	Detailed	13.1311
Music teacher education	Detailed	13.1312
Special education and teaching	Detailed	13.10
STEM educational methods	Detailed	13.1213
Teacher education, science and engineering	Detailed	13.1301, 13.1316, 13.1317, 13.1321–13.1323, 13.1329, 13.1332, 13.1335, 13.1337, 13.1338
Teacher education, specific levels and methods	Detailed	All other 13.12
Teacher education, specific subject areas	Detailed	All other 13.13, 13.14
Education, other	Major	13.01, 13.15, 13.99
Education, general	Detailed	13.0101
Education nec	Detailed	13.15, 13.9999
Humanities	Broad	23, 24.0103, 24.0199, 38, 39, 54, all 16 except 16.0102, 16.0105, 16.0199, 16.12
English language and literature, letters	Major	23
American literature (United States)	Detailed	23.1402, 23.1402b
Creative writing	Detailed	23.1302

Table A-4. SED field of doctorate taxonomy, by SED-CIP series/codes: 2025

(Field)

Field of doctorate	Field level ^a	SED-CIP series/ codes
English language and literature, general	Detailed	23.0101
English literature (British and Commonwealth)	Detailed	23.1404
Rhetoric and composition, and writing studies	Detailed	All other 23.13
English language and literature nec	Detailed	All other 23.14, 23.99
Foreign languages, literatures, and linguistics	Major	All 16 except 16.0102, 16.0105, 16.0199, 16.12
Comparative literature	Detailed	16.0104
Hispanic/ Latin American languages, literatures, and linguistics	Detailed	16.0908
Romance languages, literatures, and linguistics	Detailed	All other 16.09
Spanish language and literature	Detailed	16.0905, 16.0907
Foreign languages, literatures, and linguistics nec	Detailed	All other 16 except 16.0102, 16.0105, 16.0199, 16.12
History	Major	All 54 except 54.0104
American history (United States)	Detailed	54.0102, 54.0102b
European history	Detailed	54.0103
History, general	Detailed	54.0101
History, regional focus	Detailed	51.0106, 54.0107, 54.0199c/d/e
History nec	Detailed	54.0105, 54.0108, 54.0199
Philosophy and religious studies	Major	38
Philosophy	Detailed	38.01, 38.99
Religion/ religious studies	Detailed	38.0201
Philosophy and religious studies nec	Detailed	All other 38.02
Humanities, other	Major	24.0103, 24.0199, 39
Bible/ biblical studies	Detailed	39.0201
Humanities and humanistic studies	Detailed	24.0103, 24.0199
Theological and ministerial studies	Detailed	All other 39
Visual and performing arts	Broad	50
Music and performing arts	Major	50.03, 50.05, 50.09
Dance, drama, theatre arts and stagecraft	Detailed	50.03, 50.05
Music performance	Detailed	50.0903, 50.0906–50.0908, 50.0910, 50.0911, 50.0914–50.0916
Music theory and composition	Detailed	50.0904
Musicology and ethnomusicology	Detailed	50.0905
Music nec	Detailed	50.0901, 50.0902, 50.0912, 50.0913, 50.0917, 50.0999
Visual arts, media studies, and design	Major	50.01, 50.04, 50.06, 50.07, 50.10, 50.1101, 50.9999
Art history, criticism and conservation	Detailed	50.0703
Film, cinema, and media studies	Detailed	50.06
Visual arts, media studies, and design nec	Detailed	All other 50
Other non-science and engineering	Broad	see below
Communication and journalism	Major	09, 10
Applied communication, advertising, and public relations	Detailed	09.09
Communication and media studies	Detailed	09.0101, 09.0199
Communication, general	Detailed	09.0100, 09.0100d
Mass communication/ media studies	Detailed	09.0102
Communication and journalism nec	Detailed	09.0100b/c, 09.04, 09.07, 09.10, 09.99, 10
Multidisciplinary/ interdisciplinary studies	Major	see below
Classical and ancient studies	Detailed	30.22, 16.12
Interdisciplinary leadership/leadership Studies	Detailed	30.9999f
Multidisciplinary/ interdisciplinary studies nec	Detailed	16.0199b, 24.01, 30.00, 30.12–30.14, 30.28, 30.29, 30.36, 30.45, 30.52, 30.9999, 30.9999g
Public administration and social services	Major	All 44 except 44.05
Public administration	Detailed	44.0201, 44.04
Public administration and policy	Detailed	44.9999b
Social work and human services	Detailed	44.00, 44.07, 44.9999

Table A-4. SED field of doctorate taxonomy, by SED-CIP series/codes: 2025

(Field)

Field of doctorate	Field level ^a	SED-CIP series/ codes
Non-science and engineering, other	Major	see below
Architecture and architectural studies	Detailed	All 04 except 04.0301
City/ urban, community, and regional planning	Detailed	04.0301
Family, consumer sciences and human sciences	Detailed	All 19 except 19.0701, 19.0702, 19.0706
Homeland security and protective services	Detailed	All 43 except 43.0104
Law, legal studies and research	Detailed	22
Parks, recreation, leisure, fitness, and sport studies and management	Detailed	All 31 except 31.0505
Other non-science and engineering nec	Detailed	01.05, 01.82, 25, 29

CIP = Classification of Instructional Programs; nec = not elsewhere classified; SED = Survey of Earned Doctorates; STEM = science, technology, engineering, and mathematics.

^a The field level provides information about how fields are nested together. There are 4 levels of field aggregation: area, broad field, major field, and detailed field.

Note(s):

The survey data collection for the field of study changed in 2021, which may affect the data comparisons across years. This table uses the new field taxonomy based on a modified version of the 2020 Classification of Instructional Programs (CIP) codes and does not match data that uses the trend field taxonomy. 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.

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
01.1102	Agronomy and Crop Science	2021	Agricultural sciences and natural resources	Agricultural, animal, plant, and veterinary sciences	Agronomy and crop science	Agricultural sciences and natural resources	Agricultural sciences
01.0901	Animal Sciences, General	2021	Agricultural sciences and natural resources	Agricultural, animal, plant, and veterinary sciences	Animal sciences	Agricultural sciences and natural resources	Agricultural sciences
01.0902	Agricultural Animal Breeding	2021	Agricultural sciences and natural resources	Agricultural, animal, plant, and veterinary sciences	Animal sciences	Agricultural sciences and natural resources	Agricultural sciences
01.0903	Animal Health	2021	Agricultural sciences and natural resources	Agricultural, animal, plant, and veterinary sciences	Animal sciences	Agricultural sciences and natural resources	Agricultural sciences
01.0904	Animal Nutrition	2021	Agricultural sciences and natural resources	Agricultural, animal, plant, and veterinary sciences	Animal sciences	Agricultural sciences and natural resources	Agricultural sciences
01.0905	Dairy Science	2021	Agricultural sciences and natural resources	Agricultural, animal, plant, and veterinary sciences	Animal sciences	Agricultural sciences and natural resources	Agricultural sciences
01.0906	Livestock Management	2021	Agricultural sciences and natural resources	Agricultural, animal, plant, and veterinary sciences	Animal sciences	Agricultural sciences and natural resources	Agricultural sciences
01.0907	Poultry Science	2021	Agricultural sciences and natural resources	Agricultural, animal, plant, and veterinary sciences	Animal sciences	Agricultural sciences and natural resources	Agricultural sciences
01.0999	Animal Sciences, Other	2021	Agricultural sciences and natural resources	Agricultural, animal, plant, and veterinary sciences	Animal sciences	Agricultural sciences and natural resources	Agricultural sciences
01.1001	Food Science	2021	Agricultural sciences and natural resources	Agricultural, animal, plant, and veterinary sciences	Food science and technology	Agricultural sciences and natural resources	Agricultural sciences
01.1002	Food Technology and Processing	2021	Agricultural sciences and natural resources	Agricultural, animal, plant, and veterinary sciences	Food science and technology	Agricultural sciences and natural resources	Agricultural sciences
01.1003	Brewing Science	2021	Agricultural sciences and natural resources	Agricultural, animal, plant, and veterinary sciences	Food science and technology	Agricultural sciences and natural resources	Agricultural sciences
01.1004	Viticulture and Enology	2021	Agricultural sciences and natural resources	Agricultural, animal, plant, and veterinary sciences	Food science and technology	Agricultural sciences and natural resources	Agricultural sciences
01.1005	Zymology/ Fermentation Science	2021	Agricultural sciences and natural resources	Agricultural, animal, plant, and veterinary sciences	Food science and technology	Agricultural sciences and natural resources	Agricultural sciences

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
01.1099	Food Science and Technology, Other	2021	Agricultural sciences and natural resources	Agricultural, animal, plant, and veterinary sciences	Food science and technology	Agricultural sciences and natural resources	Agricultural sciences
01.1099b	Food Science and Technology	2025	Agricultural sciences and natural resources	Agricultural, animal, plant, and veterinary sciences	Food science and technology	Agricultural sciences and natural resources	Agricultural sciences
01.1101	Plant Sciences, General	2021	Agricultural sciences and natural resources	Agricultural, animal, plant, and veterinary sciences	Plant sciences	Agricultural sciences and natural resources	Agricultural sciences
01.1103	Horticultural Science	2021	Agricultural sciences and natural resources	Agricultural, animal, plant, and veterinary sciences	Plant sciences	Agricultural sciences and natural resources	Agricultural sciences
01.1104	Agricultural and Horticultural Plant Breeding	2021	Agricultural sciences and natural resources	Agricultural, animal, plant, and veterinary sciences	Plant sciences	Agricultural sciences and natural resources	Agricultural sciences
01.1105	Plant Protection and Integrated Pest Management	2021	Agricultural sciences and natural resources	Agricultural, animal, plant, and veterinary sciences	Plant sciences	Agricultural sciences and natural resources	Agricultural sciences
01.1199	Plant Sciences, Other	2021	Agricultural sciences and natural resources	Agricultural, animal, plant, and veterinary sciences	Plant sciences	Agricultural sciences and natural resources	Agricultural sciences
01.1106	Range Science and Management	2021	Agricultural sciences and natural resources	Agricultural, animal, plant, and veterinary sciences	Plant sciences	Agricultural sciences and natural resources	Natural resources and conservation
01.1201	Soil Science and Agronomy, General	2021	Agricultural sciences and natural resources	Agricultural, animal, plant, and veterinary sciences	Soil sciences	Agricultural sciences and natural resources	Agricultural sciences
01.1202	Soil Chemistry and Physics	2021	Agricultural sciences and natural resources	Agricultural, animal, plant, and veterinary sciences	Soil sciences	Agricultural sciences and natural resources	Agricultural sciences
01.1203	Soil Microbiology	2021	Agricultural sciences and natural resources	Agricultural, animal, plant, and veterinary sciences	Soil sciences	Agricultural sciences and natural resources	Agricultural sciences
01.1203b	Soil Chemistry and Microbiology	2021	Agricultural sciences and natural resources	Agricultural, animal, plant, and veterinary sciences	Soil sciences	Agricultural sciences and natural resources	Agricultural sciences
01.1299	Soil Sciences, Other	2021	Agricultural sciences and natural resources	Agricultural, animal, plant, and veterinary sciences	Soil sciences	Agricultural sciences and natural resources	Agricultural sciences
01.1299b	Soil and Plant Sciences	2025	Agricultural sciences and natural resources	Agricultural, animal, plant, and veterinary sciences	Soil sciences	Agricultural sciences and natural resources	Agricultural sciences

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
01.1299c	Soil and Crop Sciences	2025	Agricultural sciences and natural resources	Agricultural, animal, plant, and veterinary sciences	Soil sciences	Agricultural sciences and natural resources	Agricultural sciences
01.1302	Pre-Veterinary Studies	2021	Agricultural sciences and natural resources	Agricultural, animal, plant, and veterinary sciences	Veterinary biomedical and clinical sciences	Agricultural sciences and natural resources	Agricultural sciences
01.1399	Agriculture/ Veterinary Preparatory Programs, Other	2021	Agricultural sciences and natural resources	Agricultural, animal, plant, and veterinary sciences	Veterinary biomedical and clinical sciences	Agricultural sciences and natural resources	Agricultural sciences
01.8001	Veterinary Medicine	2021	Agricultural sciences and natural resources	Agricultural, animal, plant, and veterinary sciences	Veterinary biomedical and clinical sciences	Agricultural sciences and natural resources	Agricultural sciences
01.8101	Veterinary Sciences/ Veterinary Clinical Sciences, General	2021	Agricultural sciences and natural resources	Agricultural, animal, plant, and veterinary sciences	Veterinary biomedical and clinical sciences	Agricultural sciences and natural resources	Agricultural sciences
01.8102	Comparative and Laboratory Animal Medicine	2021	Agricultural sciences and natural resources	Agricultural, animal, plant, and veterinary sciences	Veterinary biomedical and clinical sciences	Agricultural sciences and natural resources	Agricultural sciences
01.8103	Large Animal/ Food Animal and Equine Surgery and Medicine	2021	Agricultural sciences and natural resources	Agricultural, animal, plant, and veterinary sciences	Veterinary biomedical and clinical sciences	Agricultural sciences and natural resources	Agricultural sciences
01.8104	Small/ Companion Animal Surgery and Medicine	2021	Agricultural sciences and natural resources	Agricultural, animal, plant, and veterinary sciences	Veterinary biomedical and clinical sciences	Agricultural sciences and natural resources	Agricultural sciences
01.8105	Veterinary Anatomy	2021	Agricultural sciences and natural resources	Agricultural, animal, plant, and veterinary sciences	Veterinary biomedical and clinical sciences	Agricultural sciences and natural resources	Agricultural sciences
01.8106	Veterinary Infectious Diseases	2021	Agricultural sciences and natural resources	Agricultural, animal, plant, and veterinary sciences	Veterinary biomedical and clinical sciences	Agricultural sciences and natural resources	Agricultural sciences
01.8107	Veterinary Microbiology and Immunobiology	2021	Agricultural sciences and natural resources	Agricultural, animal, plant, and veterinary sciences	Veterinary biomedical and clinical sciences	Agricultural sciences and natural resources	Agricultural sciences
01.8108	Veterinary Pathology and Pathobiology	2021	Agricultural sciences and natural resources	Agricultural, animal, plant, and veterinary sciences	Veterinary biomedical and clinical sciences	Agricultural sciences and natural resources	Agricultural sciences
01.8109	Veterinary Physiology	2021	Agricultural sciences and natural resources	Agricultural, animal, plant, and veterinary sciences	Veterinary biomedical and clinical sciences	Agricultural sciences and natural resources	Agricultural sciences
01.8110	Veterinary Preventive Medicine, Epidemiology, and Public Health	2021	Agricultural sciences and natural resources	Agricultural, animal, plant, and veterinary sciences	Veterinary biomedical and clinical sciences	Agricultural sciences and natural resources	Agricultural sciences

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
01.8111	Veterinary Toxicology and Pharmacology	2021	Agricultural sciences and natural resources	Agricultural, animal, plant, and veterinary sciences	Veterinary biomedical and clinical sciences	Agricultural sciences and natural resources	Agricultural sciences
01.8199	Veterinary Biomedical and Clinical Sciences, Other	2021	Agricultural sciences and natural resources	Agricultural, animal, plant, and veterinary sciences	Veterinary biomedical and clinical sciences	Agricultural sciences and natural resources	Agricultural sciences
01.8301	Veterinary/ Animal Health Technology and Veterinary Assistant	2021	Agricultural sciences and natural resources	Agricultural, animal, plant, and veterinary sciences	Veterinary biomedical and clinical sciences	Agricultural sciences and natural resources	Agricultural sciences
01.8399	Veterinary/ Animal Health Technologies, Other	2021	Agricultural sciences and natural resources	Agricultural, animal, plant, and veterinary sciences	Veterinary biomedical and clinical sciences	Agricultural sciences and natural resources	Agricultural sciences
01.0201	Agricultural Mechanization, General	2021	Agricultural sciences and natural resources	Agricultural, animal, plant, and veterinary sciences	Agricultural, animal, plant, and veterinary sciences nec	Agricultural sciences and natural resources	Agricultural sciences
01.0204	Agricultural Power Machinery Operation	2021	Agricultural sciences and natural resources	Agricultural, animal, plant, and veterinary sciences	Agricultural, animal, plant, and veterinary sciences nec	Agricultural sciences and natural resources	Agricultural sciences
01.0205	Agricultural Mechanics and Equipment/ Machine Technology	2021	Agricultural sciences and natural resources	Agricultural, animal, plant, and veterinary sciences	Agricultural, animal, plant, and veterinary sciences nec	Agricultural sciences and natural resources	Agricultural sciences
01.0207	Irrigation Management Technology	2021	Agricultural sciences and natural resources	Agricultural, animal, plant, and veterinary sciences	Agricultural, animal, plant, and veterinary sciences nec	Agricultural sciences and natural resources	Agricultural sciences
01.0299	Agricultural Mechanization, Other	2021	Agricultural sciences and natural resources	Agricultural, animal, plant, and veterinary sciences	Agricultural, animal, plant, and veterinary sciences nec	Agricultural sciences and natural resources	Agricultural sciences
01.0302	Animal/ Livestock Husbandry and Production	2021	Agricultural sciences and natural resources	Agricultural, animal, plant, and veterinary sciences	Agricultural, animal, plant, and veterinary sciences nec	Agricultural sciences and natural resources	Agricultural sciences
01.0304	Crop Production	2021	Agricultural sciences and natural resources	Agricultural, animal, plant, and veterinary sciences	Agricultural, animal, plant, and veterinary sciences nec	Agricultural sciences and natural resources	Agricultural sciences
01.0306	Dairy Husbandry and Production	2021	Agricultural sciences and natural resources	Agricultural, animal, plant, and veterinary sciences	Agricultural, animal, plant, and veterinary sciences nec	Agricultural sciences and natural resources	Agricultural sciences
01.0307	Horse Husbandry/ Equine Science and Management	2021	Agricultural sciences and natural resources	Agricultural, animal, plant, and veterinary sciences	Agricultural, animal, plant, and veterinary sciences nec	Agricultural sciences and natural resources	Agricultural sciences
01.0308	Agroecology and Sustainable Agriculture	2021	Agricultural sciences and natural resources	Agricultural, animal, plant, and veterinary sciences	Agricultural, animal, plant, and veterinary sciences nec	Agricultural sciences and natural resources	Agricultural sciences

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
01.0399	Agricultural Production Operations, Other	2021	Agricultural sciences and natural resources	Agricultural, animal, plant, and veterinary sciences	Agricultural, animal, plant, and veterinary sciences nec	Agricultural sciences and natural resources	Agricultural sciences
01.0401	Agricultural and Food Products Processing	2021	Agricultural sciences and natural resources	Agricultural, animal, plant, and veterinary sciences	Agricultural, animal, plant, and veterinary sciences nec	Agricultural sciences and natural resources	Agricultural sciences
01.0601	Applied Horticulture/ Horticulture Operations, General	2021	Agricultural sciences and natural resources	Agricultural, animal, plant, and veterinary sciences	Agricultural, animal, plant, and veterinary sciences nec	Agricultural sciences and natural resources	Agricultural sciences
01.0603	Ornamental Horticulture	2021	Agricultural sciences and natural resources	Agricultural, animal, plant, and veterinary sciences	Agricultural, animal, plant, and veterinary sciences nec	Agricultural sciences and natural resources	Agricultural sciences
01.0604	Greenhouse Operations and Management	2021	Agricultural sciences and natural resources	Agricultural, animal, plant, and veterinary sciences	Agricultural, animal, plant, and veterinary sciences nec	Agricultural sciences and natural resources	Agricultural sciences
01.0605	Landscaping and Groundskeeping	2021	Agricultural sciences and natural resources	Agricultural, animal, plant, and veterinary sciences	Agricultural, animal, plant, and veterinary sciences nec	Agricultural sciences and natural resources	Agricultural sciences
01.0606	Plant Nursery Operations and Management	2021	Agricultural sciences and natural resources	Agricultural, animal, plant, and veterinary sciences	Agricultural, animal, plant, and veterinary sciences nec	Agricultural sciences and natural resources	Agricultural sciences
01.0607	Turf and Turfgrass Management	2021	Agricultural sciences and natural resources	Agricultural, animal, plant, and veterinary sciences	Agricultural, animal, plant, and veterinary sciences nec	Agricultural sciences and natural resources	Agricultural sciences
01.0608	Floriculture/ Floristry Operations and Management	2021	Agricultural sciences and natural resources	Agricultural, animal, plant, and veterinary sciences	Agricultural, animal, plant, and veterinary sciences nec	Agricultural sciences and natural resources	Agricultural sciences
01.0609	Public Horticulture	2021	Agricultural sciences and natural resources	Agricultural, animal, plant, and veterinary sciences	Agricultural, animal, plant, and veterinary sciences nec	Agricultural sciences and natural resources	Agricultural sciences
01.0610	Urban and Community Horticulture	2021	Agricultural sciences and natural resources	Agricultural, animal, plant, and veterinary sciences	Agricultural, animal, plant, and veterinary sciences nec	Agricultural sciences and natural resources	Agricultural sciences
01.0699	Applied Horticulture/ Horticultural Business Services, Other	2021	Agricultural sciences and natural resources	Agricultural, animal, plant, and veterinary sciences	Agricultural, animal, plant, and veterinary sciences nec	Agricultural sciences and natural resources	Agricultural sciences
01.9999	Agricultural/ Animal/ Plant/ Veterinary Science and Related Fields, Other	2021	Agricultural sciences and natural resources	Agricultural, animal, plant, and veterinary sciences	Agricultural, animal, plant, and veterinary sciences nec	Agricultural sciences and natural resources	Agricultural sciences
01.0000	Agriculture, General	2021	Agricultural sciences and natural resources	Agricultural, animal, plant, and veterinary sciences	Agricultural, animal, plant, and veterinary sciences nec	Agricultural sciences and natural resources	Natural resources and conservation

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
01.0303	Aquaculture	2021	Agricultural sciences and natural resources	Agricultural, animal, plant, and veterinary sciences	Agricultural, animal, plant, and veterinary sciences nec	Agricultural sciences and natural resources	Natural resources and conservation
01.0701	International Agriculture	2021	Agricultural sciences and natural resources	Agricultural, animal, plant, and veterinary sciences	Agricultural, animal, plant, and veterinary sciences nec	Agricultural sciences and natural resources	Natural resources and conservation
01.0310	Apiculture	2021	Agricultural sciences and natural resources	Agricultural, animal, plant, and veterinary sciences	Agricultural, animal, plant, and veterinary sciences nec	Biological and biomedical sciences	Biology and biomedical sciences, other
01.0101	Agricultural Business and Management, General	2021	Agricultural sciences and natural resources	Agricultural, animal, plant, and veterinary sciences	Agricultural, animal, plant, and veterinary sciences nec	Business	Business
01.0102	Agribusiness/ Agricultural Business Operations	2021	Agricultural sciences and natural resources	Agricultural, animal, plant, and veterinary sciences	Agricultural, animal, plant, and veterinary sciences nec	Business	Business
01.0104	Farm/ Farm and Ranch Management	2021	Agricultural sciences and natural resources	Agricultural, animal, plant, and veterinary sciences	Agricultural, animal, plant, and veterinary sciences nec	Business	Business
01.0105	Agricultural/ Farm Supplies Retailing and Wholesaling	2021	Agricultural sciences and natural resources	Agricultural, animal, plant, and veterinary sciences	Agricultural, animal, plant, and veterinary sciences nec	Business	Business
01.0106	Agricultural Business Technology	2021	Agricultural sciences and natural resources	Agricultural, animal, plant, and veterinary sciences	Agricultural, animal, plant, and veterinary sciences nec	Business	Business
01.0199	Agricultural Business and Management, Other	2021	Agricultural sciences and natural resources	Agricultural, animal, plant, and veterinary sciences	Agricultural, animal, plant, and veterinary sciences nec	Business	Business
01.0301	Agricultural Production Operations, General	2021	Agricultural sciences and natural resources	Agricultural, animal, plant, and veterinary sciences	Agricultural, animal, plant, and veterinary sciences nec	Business	Business
01.0801	Agricultural and Extension Education Services	2021	Agricultural sciences and natural resources	Agricultural, animal, plant, and veterinary sciences	Agricultural, animal, plant, and veterinary sciences nec	Education	Teacher education and teaching fields
01.0802	Agricultural Communication/ Journalism	2021	Agricultural sciences and natural resources	Agricultural, animal, plant, and veterinary sciences	Agricultural, animal, plant, and veterinary sciences nec	Other non-science and engineering	Communication
01.0899	Agricultural Public Services, Other	2021	Agricultural sciences and natural resources	Agricultural, animal, plant, and veterinary sciences	Agricultural, animal, plant, and veterinary sciences nec	Other non-science and engineering	Public administration and social services
03.0104	Environmental Science	2021	Agricultural sciences and natural resources	Natural resources and conservation	Environmental science	Agricultural sciences and natural resources	Natural resources and conservation

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
03.0210	Bioenergy	2021	Agricultural sciences and natural resources	Natural resources and conservation	Environmental/ natural resources management and policy	Agricultural sciences and natural resources	Agricultural sciences
03.0201	Environmental/ Natural Resources Management and Policy, General	2021	Agricultural sciences and natural resources	Natural resources and conservation	Environmental/ natural resources management and policy	Agricultural sciences and natural resources	Natural resources and conservation
03.0209	Energy and Environmental Policy	2021	Agricultural sciences and natural resources	Natural resources and conservation	Environmental/ natural resources management and policy	Agricultural sciences and natural resources	Natural resources and conservation
03.0299	Environmental/ Natural Resources Management and Policy, Other	2021	Agricultural sciences and natural resources	Natural resources and conservation	Environmental/ natural resources management and policy	Agricultural sciences and natural resources	Natural resources and conservation
03.0205	Water, Wetlands, and Marine Resources Management	2021	Agricultural sciences and natural resources	Natural resources and conservation	Environmental/ natural resources management and policy	Geosciences, atmospheric, and ocean sciences	Ocean, marine, and atmospheric sciences
03.0206	Land Use Planning and Management/ Development	2021	Agricultural sciences and natural resources	Natural resources and conservation	Environmental/ natural resources management and policy	Social sciences	Social sciences, other
03.0208	Environmental/ Natural Resources Law Enforcement and Protective Services	2021	Agricultural sciences and natural resources	Natural resources and conservation	Environmental/ natural resources management and policy	Social sciences	Social sciences, other
03.0207	Environmental/ Natural Resource Recreation and Tourism	2021	Agricultural sciences and natural resources	Natural resources and conservation	Environmental/ natural resources management and policy	Other non-science and engineering	Non-science and engineering, other
03.0501	Forestry, General	2021	Agricultural sciences and natural resources	Natural resources and conservation	Forestry	Agricultural sciences and natural resources	Natural resources and conservation
03.0502	Forest Sciences and Biology	2021	Agricultural sciences and natural resources	Natural resources and conservation	Forestry	Agricultural sciences and natural resources	Natural resources and conservation
03.0506	Forest Management/ Forest Resources Management	2021	Agricultural sciences and natural resources	Natural resources and conservation	Forestry	Agricultural sciences and natural resources	Natural resources and conservation
03.0508	Urban Forestry	2021	Agricultural sciences and natural resources	Natural resources and conservation	Forestry	Agricultural sciences and natural resources	Natural resources and conservation
03.0509	Wood Science and Wood Products/ Pulp and Paper Technology	2021	Agricultural sciences and natural resources	Natural resources and conservation	Forestry	Agricultural sciences and natural resources	Natural resources and conservation
03.0510	Forest Resources Production and Management	2021	Agricultural sciences and natural resources	Natural resources and conservation	Forestry	Agricultural sciences and natural resources	Natural resources and conservation

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
03.0511	Forest Technology	2021	Agricultural sciences and natural resources	Natural resources and conservation	Forestry	Agricultural sciences and natural resources	Natural resources and conservation
03.0599	Forestry, Other	2021	Agricultural sciences and natural resources	Natural resources and conservation	Forestry	Agricultural sciences and natural resources	Natural resources and conservation
03.0101	Natural Resources/ Conservation, General	2021	Agricultural sciences and natural resources	Natural resources and conservation	Natural resources conservation and research	Agricultural sciences and natural resources	Natural resources and conservation
03.0103	Environmental Studies	2021	Agricultural sciences and natural resources	Natural resources and conservation	Natural resources conservation and research	Agricultural sciences and natural resources	Natural resources and conservation
03.0199	Natural Resources Conservation and Research, Other	2021	Agricultural sciences and natural resources	Natural resources and conservation	Natural resources conservation and research	Agricultural sciences and natural resources	Natural resources and conservation
03.0301	Fishing and Fisheries Sciences and Management	2021	Agricultural sciences and natural resources	Natural resources and conservation	Natural resources and conservation nec	Agricultural sciences and natural resources	Natural resources and conservation
03.0601	Wildlife, Fish and Wildlands Science and Management	2021	Agricultural sciences and natural resources	Natural resources and conservation	Natural resources and conservation nec	Agricultural sciences and natural resources	Natural resources and conservation
03.9999	Natural Resources and Conservation, Other	2021	Agricultural sciences and natural resources	Natural resources and conservation	Natural resources and conservation nec	Agricultural sciences and natural resources	Natural resources and conservation
26.0202	Biochemistry	2021	Biological and biomedical sciences	Biochemistry, biophysics, and molecular biology	Biochemistry	Biological and biomedical sciences	Biochemistry and biophysics
26.0299c	Biochemistry and Biophysics	2025	Biological and biomedical sciences	Biochemistry, biophysics, and molecular biology	Biochemistry and biophysics	Biological and biomedical sciences	Biochemistry and biophysics
26.0210	Biochemistry and Molecular Biology	2021	Biological and biomedical sciences	Biochemistry, biophysics, and molecular biology	Biochemistry and molecular biology	Biological and biomedical sciences	Biochemistry and biophysics
26.0203	Biophysics (BIOLOGY)	2021	Biological and biomedical sciences	Biochemistry, biophysics, and molecular biology	Biophysics	Biological and biomedical sciences	Biochemistry and biophysics
26.0206	Molecular Biophysics	2021	Biological and biomedical sciences	Biochemistry, biophysics, and molecular biology	Biophysics	Biological and biomedical sciences	Biochemistry and biophysics
26.0203b	Biophysics (PHYSICS)	2021	Biological and biomedical sciences	Biochemistry, biophysics, and molecular biology	Biophysics	Physical sciences	Physics
26.0204	Molecular Biology	2021	Biological and biomedical sciences	Biochemistry, biophysics, and molecular biology	Molecular biology	Biological and biomedical sciences	Molecular biology
26.0205	Molecular Biochemistry	2021	Biological and biomedical sciences	Biochemistry, biophysics, and molecular biology	Biochemistry, biophysics, and molecular biology nec	Biological and biomedical sciences	Biochemistry and biophysics

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
26.0208	Photobiology	2021	Biological and biomedical sciences	Biochemistry, biophysics, and molecular biology	Biochemistry, biophysics, and molecular biology nec	Biological and biomedical sciences	Biology and biomedical sciences, general
26.0209	Radiation Biology/ Radiobiology	2021	Biological and biomedical sciences	Biochemistry, biophysics, and molecular biology	Biochemistry, biophysics, and molecular biology nec	Biological and biomedical sciences	Biology and biomedical sciences, general
26.0299d	Biochemistry and Molecular Biophysics	2025	Biological and biomedical sciences	Biochemistry, biophysics, and molecular biology	Biochemistry, biophysics, and molecular biology nec	Biological and biomedical sciences	Biochemistry and biophysics
26.0299b	Biochemistry, Biophysics, and Molecular Biology	2025	Biological and biomedical sciences	Biochemistry, biophysics, and molecular biology	Biochemistry, biophysics, and molecular biology nec	Biological and biomedical sciences	Biology and biomedical sciences, general
26.0299	Biochemistry, Biophysics and Molecular Biology, Other	2021	Biological and biomedical sciences	Biochemistry, biophysics, and molecular biology	Biochemistry, biophysics, and molecular biology nec	Biological and biomedical sciences	Biology and biomedical sciences, general
26.0207	Structural Biology	2021	Biological and biomedical sciences	Biochemistry, biophysics, and molecular biology	Biochemistry, biophysics, and molecular biology nec	Biological and biomedical sciences	Cellular and developmental biology, and anatomy
26.1103	Bioinformatics	2021	Biological and biomedical sciences	Bioinformatics, biostatistics, and computational biology	Bioinformatics	Biological and biomedical sciences	Bioinformatics, biostatistics, and computational biology
26.1102	Biostatistics	2021	Biological and biomedical sciences	Bioinformatics, biostatistics, and computational biology	Biostatistics	Biological and biomedical sciences	Bioinformatics, biostatistics, and computational biology
26.1104	Computational Biology	2021	Biological and biomedical sciences	Bioinformatics, biostatistics, and computational biology	Computational biology	Biological and biomedical sciences	Bioinformatics, biostatistics, and computational biology
26.1101	Biometry/ Biometrics	2021	Biological and biomedical sciences	Bioinformatics, biostatistics, and computational biology	Bioinformatics, biostatistics, and computational biology nec	Biological and biomedical sciences	Bioinformatics, biostatistics, and computational biology
26.1199	Biomathematics, Bioinformatics, and Computational Biology, Other	2021	Biological and biomedical sciences	Bioinformatics, biostatistics, and computational biology	Bioinformatics, biostatistics, and computational biology nec	Biological and biomedical sciences	Bioinformatics, biostatistics, and computational biology
26.0101	Biology/ Biological Sciences, General	2021	Biological and biomedical sciences	Biological and biomedical sciences, general	Biology/ biological sciences, general	Biological and biomedical sciences	Biology and biomedical sciences, general
26.0101b	Integrative/ Interdisciplinary Biology, Biosciences, and Biomedical Sciences	2022	Biological and biomedical sciences	Biological and biomedical sciences, general	Biology/ biological sciences, general	Biological and biomedical sciences	Biology and biomedical sciences, general

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
26.0102	Biomedical Sciences, General	2021	Biological and biomedical sciences	Biological and biomedical sciences, general	Biomedical sciences, general	Biological and biomedical sciences	Biology and biomedical sciences, general
26.0406	Cell/ Cellular and Molecular Biology	2021	Biological and biomedical sciences	Cell/ cellular biology and anatomy	Cell/ cellular and molecular biology	Biological and biomedical sciences	Molecular biology
26.0404	Developmental Biology and Embryology	2021	Biological and biomedical sciences	Cell/ cellular biology and anatomy	Developmental biology and embryology	Biological and biomedical sciences	Cellular and developmental biology, and anatomy
26.0401	Cell/ Cellular Biology and Histology	2021	Biological and biomedical sciences	Cell/ cellular biology and anatomy	Cell/ cellular biology and anatomy nec	Biological and biomedical sciences	Cellular and developmental biology, and anatomy
26.0403	Anatomy	2021	Biological and biomedical sciences	Cell/ cellular biology and anatomy	Cell/ cellular biology and anatomy nec	Biological and biomedical sciences	Cellular and developmental biology, and anatomy
26.0407	Cell Biology and Anatomy	2021	Biological and biomedical sciences	Cell/ cellular biology and anatomy	Cell/ cellular biology and anatomy nec	Biological and biomedical sciences	Cellular and developmental biology, and anatomy
26.0499	Cell/ Cellular Biology and Anatomical Sciences, Other	2021	Biological and biomedical sciences	Cell/ cellular biology and anatomy	Cell/ cellular biology and anatomy nec	Biological and biomedical sciences	Cellular and developmental biology, and anatomy
26.1301	Ecology	2021	Biological and biomedical sciences	Ecology, evolutionary biology, and epidemiology	Ecology	Biological and biomedical sciences	Ecology, evolutionary biology, and epidemiology
26.1310	Ecology and Evolutionary Biology	2021	Biological and biomedical sciences	Ecology, evolutionary biology, and epidemiology	Ecology and evolutionary biology	Biological and biomedical sciences	Ecology, evolutionary biology, and epidemiology
26.1399b	Ecology, Evolution, and Behavior	2022	Biological and biomedical sciences	Ecology, evolutionary biology, and epidemiology	Ecology and evolutionary biology	Biological and biomedical sciences	Ecology, evolutionary biology, and epidemiology
26.1309	Epidemiology	2021	Biological and biomedical sciences	Ecology, evolutionary biology, and epidemiology	Epidemiology	Biological and biomedical sciences	Ecology, evolutionary biology, and epidemiology
26.1311	Epidemiology and Biostatistics	2021	Biological and biomedical sciences	Ecology, evolutionary biology, and epidemiology	Epidemiology and biostatistics	Biological and biomedical sciences	Ecology, evolutionary biology, and epidemiology
26.1303	Evolutionary Biology	2021	Biological and biomedical sciences	Ecology, evolutionary biology, and epidemiology	Evolutionary biology	Biological and biomedical sciences	Ecology, evolutionary biology, and epidemiology
26.1304	Aquatic Biology/ Limnology	2021	Biological and biomedical sciences	Ecology, evolutionary biology, and epidemiology	Ecology, evolutionary biology, and epidemiology nec	Biological and biomedical sciences	Biology and biomedical sciences, general

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
26.1305	Environmental Biology	2021	Biological and biomedical sciences	Ecology, evolutionary biology, and epidemiology	Ecology, evolutionary biology, and epidemiology nec	Biological and biomedical sciences	Biology and biomedical sciences, general
26.1306	Population Biology	2021	Biological and biomedical sciences	Ecology, evolutionary biology, and epidemiology	Ecology, evolutionary biology, and epidemiology nec	Biological and biomedical sciences	Ecology, evolutionary biology, and epidemiology
26.1307	Conservation Biology	2021	Biological and biomedical sciences	Ecology, evolutionary biology, and epidemiology	Ecology, evolutionary biology, and epidemiology nec	Biological and biomedical sciences	Ecology, evolutionary biology, and epidemiology
26.1308	Systematic Biology/ Biological Systematics	2021	Biological and biomedical sciences	Ecology, evolutionary biology, and epidemiology	Ecology, evolutionary biology, and epidemiology nec	Biological and biomedical sciences	Ecology, evolutionary biology, and epidemiology
26.1399	Ecology, Evolution, Systematics and Population Biology, Other	2021	Biological and biomedical sciences	Ecology, evolutionary biology, and epidemiology	Ecology, evolutionary biology, and epidemiology nec	Biological and biomedical sciences	Ecology, evolutionary biology, and epidemiology
26.0801	Genetics, General	2021	Biological and biomedical sciences	Genetics and genomics	Genetics, general	Biological and biomedical sciences	Genetics and genomics
26.0807	Genome Sciences/ Genomics	2021	Biological and biomedical sciences	Genetics and genomics	Genome sciences and genomics	Biological and biomedical sciences	Genetics and genomics
26.0806	Human/ Medical Genetics	2021	Biological and biomedical sciences	Genetics and genomics	Human/ medical genetics	Biological and biomedical sciences	Genetics and genomics
26.0802	Molecular Genetics	2021	Biological and biomedical sciences	Genetics and genomics	Molecular genetics	Biological and biomedical sciences	Genetics and genomics
26.0803	Microbial and Eukaryotic Genetics	2021	Biological and biomedical sciences	Genetics and genomics	Genetics and genomics nec	Biological and biomedical sciences	Genetics and genomics
26.0804	Animal Genetics	2021	Biological and biomedical sciences	Genetics and genomics	Genetics and genomics nec	Biological and biomedical sciences	Genetics and genomics
26.0899	Genetics, Other	2021	Biological and biomedical sciences	Genetics and genomics	Genetics and genomics nec	Biological and biomedical sciences	Genetics and genomics
26.0805	Plant Genetics	2021	Biological and biomedical sciences	Genetics and genomics	Genetics and genomics nec	Biological and biomedical sciences	Biology and biomedical sciences, other
26.0507	Immunology	2021	Biological and biomedical sciences	Microbiology and immunology	Immunology	Biological and biomedical sciences	Microbiology and immunology
26.0508	Microbiology and Immunology	2021	Biological and biomedical sciences	Microbiology and immunology	Microbiology and immunology	Biological and biomedical sciences	Microbiology and immunology
26.0502	Microbiology, General	2021	Biological and biomedical sciences	Microbiology and immunology	Microbiology, general	Biological and biomedical sciences	Microbiology and immunology
26.0504	Virology	2021	Biological and biomedical sciences	Microbiology and immunology	Virology	Biological and biomedical sciences	Microbiology and immunology

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
26.0503	Medical Microbiology and Bacteriology	2021	Biological and biomedical sciences	Microbiology and immunology	Microbiology and immunology nec	Biological and biomedical sciences	Microbiology and immunology
26.0505	Parasitology	2021	Biological and biomedical sciences	Microbiology and immunology	Microbiology and immunology nec	Biological and biomedical sciences	Microbiology and immunology
26.0506	Mycology	2021	Biological and biomedical sciences	Microbiology and immunology	Microbiology and immunology nec	Biological and biomedical sciences	Microbiology and immunology
26.0509	Infectious Disease and Global Health	2021	Biological and biomedical sciences	Microbiology and immunology	Microbiology and immunology nec	Biological and biomedical sciences	Microbiology and immunology
26.0599	Microbiological Sciences and Immunology, Other	2021	Biological and biomedical sciences	Microbiology and immunology	Microbiology and immunology nec	Biological and biomedical sciences	Microbiology and immunology
26.1599b	Cognitive Neuroscience	2021	Biological and biomedical sciences	Neurobiology and neurosciences	Cognitive neuroscience	Psychology	Research and experimental psychology
26.1599c	Computational Neuroscience	2022	Biological and biomedical sciences	Neurobiology and neurosciences	Computational Neuroscience	Biological and biomedical sciences	Neurobiology and neurosciences
26.1503	Neurobiology and Anatomy	2021	Biological and biomedical sciences	Neurobiology and neurosciences	Neurobiology	Biological and biomedical sciences	Neurobiology and neurosciences
26.1504	Neurobiology and Behavior	2021	Biological and biomedical sciences	Neurobiology and neurosciences	Neurobiology	Biological and biomedical sciences	Neurobiology and neurosciences
26.1599d	Neurobiology	2025	Biological and biomedical sciences	Neurobiology and neurosciences	Neurobiology	Biological and biomedical sciences	Neurobiology and neurosciences
26.1501	Neuroscience	2021	Biological and biomedical sciences	Neurobiology and neurosciences	Neuroscience	Biological and biomedical sciences	Neurobiology and neurosciences
26.1502	Neuroanatomy	2021	Biological and biomedical sciences	Neurobiology and neurosciences	Neurobiology and neurosciences nec	Biological and biomedical sciences	Neurobiology and neurosciences
26.1599	Neurobiology and Neurosciences, Other	2021	Biological and biomedical sciences	Neurobiology and neurosciences	Neurobiology and neurosciences nec	Biological and biomedical sciences	Neurobiology and neurosciences
26.1599c	Computational Neuroscience	2022	Biological and biomedical sciences	Neurobiology and neurosciences	Neurobiology and neurosciences nec	Biological and biomedical sciences	Neurobiology and neurosciences
26.1001	Pharmacology	2021	Biological and biomedical sciences	Pharmacology and toxicology	Pharmacology	Biological and biomedical sciences	Pharmacology and toxicology
26.1004	Toxicology	2021	Biological and biomedical sciences	Pharmacology and toxicology	Toxicology	Biological and biomedical sciences	Pharmacology and toxicology
26.1005	Molecular Toxicology	2021	Biological and biomedical sciences	Pharmacology and toxicology	Toxicology	Biological and biomedical sciences	Pharmacology and toxicology
26.1006	Environmental Toxicology	2021	Biological and biomedical sciences	Pharmacology and toxicology	Toxicology	Biological and biomedical sciences	Pharmacology and toxicology

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
26.1002	Molecular Pharmacology	2021	Biological and biomedical sciences	Pharmacology and toxicology	Pharmacology and toxicology nec	Biological and biomedical sciences	Pharmacology and toxicology
26.1003	Neuropharmacology	2021	Biological and biomedical sciences	Pharmacology and toxicology	Pharmacology and toxicology nec	Biological and biomedical sciences	Pharmacology and toxicology
26.1007	Pharmacology and Toxicology	2021	Biological and biomedical sciences	Pharmacology and toxicology	Pharmacology and toxicology nec	Biological and biomedical sciences	Pharmacology and toxicology
26.1099	Pharmacology and Toxicology, Other	2021	Biological and biomedical sciences	Pharmacology and toxicology	Pharmacology and toxicology nec	Biological and biomedical sciences	Pharmacology and toxicology
26.0913	Biomechanics	2021	Biological and biomedical sciences	Physiology, oncology, and cancer biology	Biomechanics	Biological and biomedical sciences	Biology and biomedical sciences, other
26.0908	Exercise Physiology and Kinesiology	2021	Biological and biomedical sciences	Physiology, oncology, and cancer biology	Exercise physiology and kinesiology	Health sciences	Health sciences, other
26.0911	Oncology and Cancer Biology	2021	Biological and biomedical sciences	Physiology, oncology, and cancer biology	Oncology and cancer biology	Biological and biomedical sciences	Physiology, pathology, and cancer biology
26.0901	Physiology, General	2021	Biological and biomedical sciences	Physiology, oncology, and cancer biology	Physiology, general	Biological and biomedical sciences	Physiology, pathology, and cancer biology
26.0905	Reproductive Biology	2021	Biological and biomedical sciences	Physiology, oncology, and cancer biology	Physiology, oncology, and cancer biology nec	Biological and biomedical sciences	Biology and biomedical sciences, general
26.0907	Cardiovascular Science	2021	Biological and biomedical sciences	Physiology, oncology, and cancer biology	Physiology, oncology, and cancer biology nec	Biological and biomedical sciences	Biology and biomedical sciences, general
26.0902	Molecular Physiology	2021	Biological and biomedical sciences	Physiology, oncology, and cancer biology	Physiology, oncology, and cancer biology nec	Biological and biomedical sciences	Physiology, pathology, and cancer biology
26.0903	Cell Physiology	2021	Biological and biomedical sciences	Physiology, oncology, and cancer biology	Physiology, oncology, and cancer biology nec	Biological and biomedical sciences	Physiology, pathology, and cancer biology
26.0904	Endocrinology	2021	Biological and biomedical sciences	Physiology, oncology, and cancer biology	Physiology, oncology, and cancer biology nec	Biological and biomedical sciences	Physiology, pathology, and cancer biology
26.0910	Pathology/ Experimental Pathology	2021	Biological and biomedical sciences	Physiology, oncology, and cancer biology	Physiology, oncology, and cancer biology nec	Biological and biomedical sciences	Physiology, pathology, and cancer biology
26.0999	Physiology, Pathology, and Related Sciences, Other	2021	Biological and biomedical sciences	Physiology, oncology, and cancer biology	Physiology, oncology, and cancer biology nec	Biological and biomedical sciences	Physiology, pathology, and cancer biology
26.0999b	Pathobiology/ Integrative Pathobiology	2022	Biological and biomedical sciences	Physiology, oncology, and cancer biology	Physiology, oncology, and cancer biology nec	Biological and biomedical sciences	Physiology, pathology, and cancer biology
26.0909	Vision Science/ Physiological Optics	2021	Biological and biomedical sciences	Physiology, oncology, and cancer biology	Physiology, oncology, and cancer biology nec	Biological and biomedical sciences	Biology and biomedical sciences, other
26.0912	Aerospace Physiology and Medicine	2021	Biological and biomedical sciences	Physiology, oncology, and cancer biology	Physiology, oncology, and cancer biology nec	Biological and biomedical sciences	Biology and biomedical sciences, other

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
26.0301	Botany/ Plant Biology	2021	Biological and biomedical sciences	Biological and biomedical sciences, other	Botany and plant biology	Biological and biomedical sciences	Biology and biomedical sciences, other
26.0702	Entomology	2021	Biological and biomedical sciences	Biological and biomedical sciences, other	Entomology	Biological and biomedical sciences	Biology and biomedical sciences, other
26.0702b	Nematology	2021	Biological and biomedical sciences	Biological and biomedical sciences, other	Entomology	Biological and biomedical sciences	Biology and biomedical sciences, other
26.0702c	Entomology and Nematology	2022	Biological and biomedical sciences	Biological and biomedical sciences, other	Entomology	Biological and biomedical sciences	Biology and biomedical sciences, other
26.0305b	Plant Pathology/ Phytopathology (AGRICULTURAL SCIENCES)	2021	Biological and biomedical sciences	Biological and biomedical sciences, other	Plant pathology and phytopathology	Agricultural sciences and natural resources	Agricultural sciences
26.0305	Plant Pathology/ Phytopathology (BIOLOGY)	2021	Biological and biomedical sciences	Biological and biomedical sciences, other	Plant pathology and phytopathology	Biological and biomedical sciences	Biology and biomedical sciences, other
26.0307	Plant Physiology	2021	Biological and biomedical sciences	Biological and biomedical sciences, other	Plant physiology and biology nec	Biological and biomedical sciences	Biology and biomedical sciences, other
26.0308	Plant Molecular Biology	2021	Biological and biomedical sciences	Biological and biomedical sciences, other	Plant physiology and biology nec	Biological and biomedical sciences	Biology and biomedical sciences, other
26.0399	Botany/ Plant Biology, Other	2021	Biological and biomedical sciences	Biological and biomedical sciences, other	Plant physiology and biology nec	Biological and biomedical sciences	Biology and biomedical sciences, other
26.0708	Animal Behavior and Ethology	2021	Biological and biomedical sciences	Biological and biomedical sciences, other	Zoology and animal biology	Agricultural sciences and natural resources	Agricultural sciences
26.0707	Animal Physiology	2021	Biological and biomedical sciences	Biological and biomedical sciences, other	Zoology and animal biology	Biological and biomedical sciences	Physiology, pathology, and cancer biology
26.0701	Zoology/ Animal Biology	2021	Biological and biomedical sciences	Biological and biomedical sciences, other	Zoology and animal biology	Biological and biomedical sciences	Biology and biomedical sciences, other
26.0709	Wildlife Biology	2021	Biological and biomedical sciences	Biological and biomedical sciences, other	Zoology and animal biology	Biological and biomedical sciences	Biology and biomedical sciences, other
26.0799	Zoology/ Animal Biology, Other	2021	Biological and biomedical sciences	Biological and biomedical sciences, other	Zoology and animal biology	Biological and biomedical sciences	Biology and biomedical sciences, other
26.9999	Biological and Biomedical Sciences, Other	2021	Biological and biomedical sciences	Biological and biomedical sciences, other	Biological and biomedical sciences nec	Biological and biomedical sciences	Biology and biomedical sciences, general
26.1401	Molecular Medicine	2021	Biological and biomedical sciences	Biological and biomedical sciences, other	Biological and biomedical sciences nec	Biological and biomedical sciences	Physiology, pathology, and cancer biology
26.1201	Biotechnology	2021	Biological and biomedical sciences	Biological and biomedical sciences, other	Biological and biomedical sciences nec	Biological and biomedical sciences	Biology and biomedical sciences, other
11.0701	Computer Science	2021	Computer and information sciences	Computer science	Computer science	Computer and information sciences	Computer science

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
11.0701b	Computing Theory and Practice (COMPUTER SCIENCE)	2021	Computer and information sciences	Computer science	Computer science	Computer and information sciences	Computer science
11.0701c	Computing Theory and Practice (MATHEMATICS)	2021	Computer and information sciences	Computer science	Computer science	Mathematics and statistics	Mathematics
11.0102	Artificial Intelligence	2021	Computer and information sciences	Computer and information sciences, other	Artificial intelligence	Computer and information sciences	Computer science
11.0101	Computer and Information Sciences, General	2021	Computer and information sciences	Computer and information sciences, other	Computer and information sciences, general	Computer and information sciences	Computer and information sciences, other
11.0901	Computer Systems Networking and Telecommunications	2021	Computer and information sciences	Computer and information sciences, other	Computer systems networking and telecommunications	Computer and information sciences	Computer and information sciences, other
11.0902	Cloud Computing	2021	Computer and information sciences	Computer and information sciences, other	Computer systems networking and telecommunications	Computer and information sciences	Computer and information sciences, other
11.0999	Computer Systems Networking and Telecommunications, Other	2021	Computer and information sciences	Computer and information sciences, other	Computer systems networking and telecommunications	Computer and information sciences	Computer and information sciences, other
11.1001	Network and System Administration/ Administrator	2021	Computer and information sciences	Computer and information sciences, other	Computer systems networking and telecommunications	Computer and information sciences	Computer and information sciences, other
11.1003	Computer and Information Systems Security/ Auditing/ Information Assurance	2021	Computer and information sciences	Computer and information sciences, other	Computer systems networking and telecommunications	Computer and information sciences	Computer and information sciences, other
11.1004	Web/ Multimedia Management and Webmaster	2021	Computer and information sciences	Computer and information sciences, other	Computer systems networking and telecommunications	Computer and information sciences	Computer and information sciences, other
11.1005	Information Technology Project Management	2021	Computer and information sciences	Computer and information sciences, other	Computer systems networking and telecommunications	Computer and information sciences	Computer and information sciences, other
11.1006	Computer Support Specialist	2021	Computer and information sciences	Computer and information sciences, other	Computer systems networking and telecommunications	Computer and information sciences	Computer and information sciences, other
11.1099	Computer/ Information Technology Services Administration and Management, Other	2021	Computer and information sciences	Computer and information sciences, other	Computer systems networking and telecommunications	Computer and information sciences	Computer and information sciences, other
11.1002	System, Networking, and LAN/ WAN Management/ Manager	2021	Computer and information sciences	Computer and information sciences, other	Cybersecurity	Computer and information sciences	Computer and information sciences, other
11.1003b	Cybersecurity	2025	Computer and information sciences	Computer and information sciences, other	Cybersecurity	Computer and information sciences	Computer and information sciences, other
11.0104	Informatics	2021	Computer and information sciences	Computer and information sciences, other	Informatics and information technology	Computer and information sciences	Computer science
11.0103	Information Technology	2021	Computer and information sciences	Computer and information sciences, other	Informatics and information technology	Computer and information sciences	Computer and information sciences, other
11.0105	Human-Centered Technology Design	2021	Computer and information sciences	Computer and information sciences, other	Informatics and information technology	Computer and information sciences	Computer and information sciences, other

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
11.0401	Information Science/ Studies	2021	Computer and information sciences	Computer and information sciences, other	Information sciences/ studies	Computer and information sciences	Computer and information sciences, other
11.0199	Computer and Information Sciences, Other	2021	Computer and information sciences	Computer and information sciences, other	Computer and information sciences nec	Computer and information sciences	Computer and information sciences, other
11.0201	Computer Programming/ Programmer, General	2021	Computer and information sciences	Computer and information sciences, other	Computer and information sciences nec	Computer and information sciences	Computer and information sciences, other
11.0202	Computer Programming, Specific Applications	2021	Computer and information sciences	Computer and information sciences, other	Computer and information sciences nec	Computer and information sciences	Computer and information sciences, other
11.0203	Computer Programming, Vendor/ Product Certification	2021	Computer and information sciences	Computer and information sciences, other	Computer and information sciences nec	Computer and information sciences	Computer and information sciences, other
11.0204	Computer Game Programming	2021	Computer and information sciences	Computer and information sciences, other	Computer and information sciences nec	Computer and information sciences	Computer and information sciences, other
11.0205	Computer Programming, Specific Platforms	2021	Computer and information sciences	Computer and information sciences, other	Computer and information sciences nec	Computer and information sciences	Computer and information sciences, other
11.0299	Computer Programming, Other	2021	Computer and information sciences	Computer and information sciences, other	Computer and information sciences nec	Computer and information sciences	Computer and information sciences, other
11.0301	Data Processing and Data Processing Technology	2021	Computer and information sciences	Computer and information sciences, other	Computer and information sciences nec	Computer and information sciences	Computer and information sciences, other
11.0501	Computer Systems Analysis/ Analyst	2021	Computer and information sciences	Computer and information sciences, other	Computer and information sciences nec	Computer and information sciences	Computer and information sciences, other
11.0801	Web Page, Digital/ Multimedia and Information Resources Design	2021	Computer and information sciences	Computer and information sciences, other	Computer and information sciences nec	Computer and information sciences	Computer and information sciences, other
11.0802	Data Modeling/ Warehousing and Database Administration	2021	Computer and information sciences	Computer and information sciences, other	Computer and information sciences nec	Computer and information sciences	Computer and information sciences, other
11.0803	Computer Graphics	2021	Computer and information sciences	Computer and information sciences, other	Computer and information sciences nec	Computer and information sciences	Computer and information sciences, other
11.0804	Modeling, Virtual Environments and Simulation	2021	Computer and information sciences	Computer and information sciences, other	Computer and information sciences nec	Computer and information sciences	Computer and information sciences, other
11.0899	Computer Software and Media Applications, Other	2021	Computer and information sciences	Computer and information sciences, other	Computer and information sciences nec	Computer and information sciences	Computer and information sciences, other
11.9999	Computer and Information Sciences and Support Services, Other	2021	Computer and information sciences	Computer and information sciences, other	Computer and information sciences nec	Computer and information sciences	Computer and information sciences, other
11.0601	Data Entry/ Microcomputer Applications, General	2021	Computer and information sciences	Computer and information sciences, other	Computer and information sciences nec	Other non-science and engineering	Non-science and engineering, other
11.0602	Word Processing	2021	Computer and information sciences	Computer and information sciences, other	Computer and information sciences nec	Other non-science and engineering	Non-science and engineering, other

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
11.0699	Data Entry/ Microcomputer Applications, Other	2021	Computer and information sciences	Computer and information sciences, other	Computer and information sciences nec	Other non-science and engineering	Non-science and engineering, other
14.0201	Aerospace, Aeronautical, and Astronautical/ Space Engineering, General	2021	Engineering	Aerospace, aeronautical, astronautical, and space engineering	Aerospace, aeronautical, astronautical, and space engineering, general	Engineering	Aerospace, aeronautical, and astronautical engineering
14.1901b	Mechanical and Aerospace Engineering	2022	Engineering	Aerospace, aeronautical, astronautical, and space engineering	Mechanical and aerospace engineering	Engineering	Aerospace, aeronautical, and astronautical engineering
14.0202	Astronautical Engineering	2021	Engineering	Aerospace, aeronautical, astronautical, and space engineering	Aerospace, aeronautical, astronautical, and space engineering nec	Engineering	Aerospace, aeronautical, and astronautical engineering
14.0202b	Aeronautics and Astronautics	2022	Engineering	Aerospace, aeronautical, astronautical, and space engineering	Aerospace, aeronautical, astronautical, and space engineering nec	Engineering	Aerospace, aeronautical, and astronautical engineering
14.0299	Aerospace, Aeronautical, and Astronautical/ Space Engineering, Other	2021	Engineering	Aerospace, aeronautical, astronautical, and space engineering	Aerospace, aeronautical, astronautical, and space engineering nec	Engineering	Aerospace, aeronautical, and astronautical engineering
15.0801	Aeronautical/ Aerospace Engineering Technology	2021	Engineering	Aerospace, aeronautical, astronautical, and space engineering	Aerospace, aeronautical, astronautical, and space engineering nec	Engineering	Aerospace, aeronautical, and astronautical engineering
49.0101	Aeronautics/ Aviation/ Aerospace Science and Technology, General	2021	Engineering	Aerospace, aeronautical, astronautical, and space engineering	Aerospace, aeronautical, astronautical, and space engineering nec	Engineering	Aerospace, aeronautical, and astronautical engineering
14.0501	Bioengineering and Biomedical Engineering	2021	Engineering	Biological, biomedical, and biosystems engineering	Bioengineering and biomedical engineering	Engineering	Bioengineering and biomedical engineering
15.0401	Biomedical Technology	2021	Engineering	Biological, biomedical, and biosystems engineering	Biological/ biosystems engineering and biomedical technology	Biological and biomedical sciences	Biology and biomedical sciences, other
14.4501	Biological/ Biosystems Engineering	2021	Engineering	Biological, biomedical, and biosystems engineering	Biological/ biosystems engineering and biomedical technology	Engineering	Bioengineering and biomedical engineering
14.0702	Chemical and Biomolecular Engineering	2021	Engineering	Chemical and petroleum engineering	Chemical and biomolecular engineering	Engineering	Chemical and petroleum engineering
14.0701	Chemical Engineering	2021	Engineering	Chemical and petroleum engineering	Chemical engineering	Engineering	Chemical and petroleum engineering

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
14.2501	Petroleum Engineering	2021	Engineering	Chemical and petroleum engineering	Petroleum engineering	Engineering	Chemical and petroleum engineering
14.0799	Chemical Engineering, Other	2021	Engineering	Chemical and petroleum engineering	Chemical and petroleum engineering nec	Engineering	Chemical and petroleum engineering
14.3201	Polymer/ Plastics Engineering	2021	Engineering	Chemical and petroleum engineering	Chemical and petroleum engineering nec	Engineering	Chemical and petroleum engineering
14.4301	Biochemical Engineering	2021	Engineering	Chemical and petroleum engineering	Chemical and petroleum engineering nec	Engineering	Chemical and petroleum engineering
14.4001	Paper Science and Engineering	2021	Engineering	Chemical and petroleum engineering	Chemical and petroleum engineering nec	Engineering	Materials and mining engineering
14.4401	Engineering Chemistry	2021	Engineering	Chemical and petroleum engineering	Chemical and petroleum engineering nec	Engineering	Engineering, other
14.0801	Civil Engineering, General	2021	Engineering	Civil, environmental, and transportation engineering	Civil engineering	Engineering	Civil, environmental, and transportation engineering
14.0899	Civil Engineering, Other	2021	Engineering	Civil, environmental, and transportation engineering	Civil engineering	Engineering	Civil, environmental, and transportation engineering
14.0899b	Civil and Environmental Engineering	2022	Engineering	Civil, environmental, and transportation engineering	Civil and environmental engineering	Engineering	Civil, environmental, and transportation engineering
14.1401	Environmental/ Environmental Health Engineering	2021	Engineering	Civil, environmental, and transportation engineering	Environmental/ environmental health engineering	Engineering	Civil, environmental, and transportation engineering
14.0802	Geotechnical and Geoenvironmental Engineering	2021	Engineering	Civil, environmental, and transportation engineering	Geotechnical and geoenvironmental engineering	Engineering	Civil, environmental, and transportation engineering
14.3901	Geological/ Geophysical Engineering	2021	Engineering	Civil, environmental, and transportation engineering	Geotechnical and geoenvironmental engineering	Engineering	Civil, environmental, and transportation engineering
14.0803	Structural Engineering	2021	Engineering	Civil, environmental, and transportation engineering	Structural engineering	Engineering	Civil, environmental, and transportation engineering

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
14.0804	Transportation and Highway Engineering	2021	Engineering	Civil, environmental, and transportation engineering	Transportation and highway engineering	Engineering	Civil, environmental, and transportation engineering
14.0401	Architectural Engineering	2021	Engineering	Civil, environmental, and transportation engineering	Civil, environmental, and transportation engineering nec	Engineering	Civil, environmental, and transportation engineering
14.0805	Water Resources Engineering	2021	Engineering	Civil, environmental, and transportation engineering	Civil, environmental, and transportation engineering nec	Engineering	Civil, environmental, and transportation engineering
14.3301	Construction Engineering	2021	Engineering	Civil, environmental, and transportation engineering	Civil, environmental, and transportation engineering nec	Engineering	Civil, environmental, and transportation engineering
14.3801	Surveying Engineering	2021	Engineering	Civil, environmental, and transportation engineering	Civil, environmental, and transportation engineering nec	Engineering	Civil, environmental, and transportation engineering
14.0901	Computer Engineering, General	2021	Engineering	Electrical and computer engineering	Computer engineering	Engineering	Electrical and computer engineering
14.0902	Computer Hardware Engineering	2021	Engineering	Electrical and computer engineering	Computer engineering	Engineering	Electrical and computer engineering
14.0903	Computer Software Engineering	2021	Engineering	Electrical and computer engineering	Computer engineering	Engineering	Electrical and computer engineering
14.0999	Computer Engineering, Other	2021	Engineering	Electrical and computer engineering	Computer engineering	Engineering	Electrical and computer engineering
14.4701	Electrical and Computer Engineering	2021	Engineering	Electrical and computer engineering	Electrical and computer engineering	Engineering	Electrical and computer engineering
14.1001	Electrical and Electronics Engineering	2021	Engineering	Electrical and computer engineering	Electrical and electronics engineering	Engineering	Electrical and computer engineering
14.1003	Laser and Optical Engineering	2021	Engineering	Electrical and computer engineering	Electrical and computer engineering nec	Engineering	Electrical and computer engineering
14.1004	Telecommunications Engineering	2021	Engineering	Electrical and computer engineering	Electrical and computer engineering nec	Engineering	Electrical and computer engineering
14.1099	Electrical, Electronics, and Communications Engineering, Other	2021	Engineering	Electrical and computer engineering	Electrical and computer engineering nec	Engineering	Electrical and computer engineering
14.1099b	Communications Engineering	2021	Engineering	Electrical and computer engineering	Electrical and computer engineering nec	Engineering	Electrical and computer engineering

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
15.0303	Electrical, Electronic, and Communications Engineering Technology	2021	Engineering	Engineering technologies	Electrical and electronic engineering technologies	Engineering	Electrical and computer engineering
15.0304	Laser and Optical Technology	2021	Engineering	Engineering technologies	Electrical and electronic engineering technologies	Engineering	Electrical and computer engineering
15.0305	Telecommunications Technology	2021	Engineering	Engineering technologies	Electrical and electronic engineering technologies	Engineering	Electrical and computer engineering
15.0306	Integrated Circuit Design Technology	2021	Engineering	Engineering technologies	Electrical and electronic engineering technologies	Engineering	Electrical and computer engineering
15.0307	Audio Engineering Technology	2021	Engineering	Engineering technologies	Electrical and electronic engineering technologies	Engineering	Electrical and computer engineering
15.0399	Electrical/ Electronic Engineering Technologies, Other	2021	Engineering	Engineering technologies	Electrical and electronic engineering technologies	Engineering	Electrical and computer engineering
15.0403	Electromechanical/ Electromechanical Engineering Technology	2021	Engineering	Engineering technologies	Electromechanical technologies	Engineering	Electrical and computer engineering
15.0405	Robotics Technology	2021	Engineering	Engineering technologies	Electromechanical technologies	Engineering	Mechanical engineering
15.0406	Automation Engineer Technology	2021	Engineering	Engineering technologies	Electromechanical technologies	Engineering	Mechanical engineering
15.0407	Mechatronics, Robotics, and Automation Engineering Technology	2021	Engineering	Engineering technologies	Electromechanical technologies	Engineering	Mechanical engineering
15.0499	Electromechanical Technologies, Other	2021	Engineering	Engineering technologies	Electromechanical technologies	Engineering	Mechanical engineering
15.0404	Instrumentation Technology	2021	Engineering	Engineering technologies	Electromechanical technologies	Engineering	Engineering, other
15.0506	Water Quality and Wastewater Treatment Management and Recycling Technology	2021	Engineering	Engineering technologies	Environmental control technologies	Engineering	Civil, environmental, and transportation engineering
15.0507	Environmental/ Environmental Engineering Technology	2021	Engineering	Engineering technologies	Environmental control technologies	Engineering	Civil, environmental, and transportation engineering
15.0508	Hazardous Materials Management and Waste Technology	2021	Engineering	Engineering technologies	Environmental control technologies	Engineering	Civil, environmental, and transportation engineering

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
15.0599	Environmental Control Technologies, Other	2021	Engineering	Engineering technologies	Environmental control technologies	Engineering	Civil, environmental, and transportation engineering
15.0501	Heating, Ventilation, Air Conditioning and Refrigeration Engineering Technology	2021	Engineering	Engineering technologies	Environmental control technologies	Engineering	Engineering, other
15.0607	Plastics and Polymer Engineering Technology	2021	Engineering	Engineering technologies	Engineering technologies nec	Engineering	Chemical and petroleum engineering
15.0615	Chemical Engineering Technology	2021	Engineering	Engineering technologies	Engineering technologies nec	Engineering	Chemical and petroleum engineering
15.0903	Petroleum Technology	2021	Engineering	Engineering technologies	Engineering technologies nec	Engineering	Chemical and petroleum engineering
15.0999	Mining and Petroleum Technologies, Other	2021	Engineering	Engineering technologies	Engineering technologies nec	Engineering	Chemical and petroleum engineering
15.0201	Civil Engineering Technologies	2021	Engineering	Engineering technologies	Engineering technologies nec	Engineering	Civil, environmental, and transportation engineering
15.1001	Construction Engineering Technology	2021	Engineering	Engineering technologies	Engineering technologies nec	Engineering	Civil, environmental, and transportation engineering
15.1103	Hydraulics and Fluid Power Technology	2021	Engineering	Engineering technologies	Engineering technologies nec	Engineering	Civil, environmental, and transportation engineering
15.1304	Civil Drafting and Civil Engineering CAD/ CADD	2021	Engineering	Engineering technologies	Engineering technologies nec	Engineering	Civil, environmental, and transportation engineering
15.1201	Computer Engineering Technology	2021	Engineering	Engineering technologies	Engineering technologies nec	Engineering	Electrical and computer engineering
15.1202	Computer/ Computer Systems Technology	2021	Engineering	Engineering technologies	Engineering technologies nec	Engineering	Electrical and computer engineering
15.1203	Computer Hardware Technology	2021	Engineering	Engineering technologies	Engineering technologies nec	Engineering	Electrical and computer engineering
15.1204	Computer Software Technology	2021	Engineering	Engineering technologies	Engineering technologies nec	Engineering	Electrical and computer engineering
15.1299	Computer Engineering Technologies, Other	2021	Engineering	Engineering technologies	Engineering technologies nec	Engineering	Electrical and computer engineering

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
15.0612	Industrial Technology	2021	Engineering	Engineering technologies	Engineering technologies nec	Engineering	Industrial engineering and operations research
15.0613	Manufacturing Engineering Technology	2021	Engineering	Engineering technologies	Engineering technologies nec	Engineering	Industrial engineering and operations research
15.0616	Semiconductor Manufacturing Technology	2021	Engineering	Engineering technologies	Engineering technologies nec	Engineering	Industrial engineering and operations research
15.0699	Industrial Production Technologies, Other	2021	Engineering	Engineering technologies	Engineering technologies nec	Engineering	Industrial engineering and operations research
15.0703	Industrial Safety Technology	2021	Engineering	Engineering technologies	Engineering technologies nec	Engineering	Industrial engineering and operations research
15.0704	Hazardous Materials Information Systems Technology	2021	Engineering	Engineering technologies	Engineering technologies nec	Engineering	Industrial engineering and operations research
15.0611	Metallurgical Technology	2021	Engineering	Engineering technologies	Engineering technologies nec	Engineering	Materials and mining engineering
15.0614	Welding Engineering Technology	2021	Engineering	Engineering technologies	Engineering technologies nec	Engineering	Materials and mining engineering
15.0617	Composite Materials Technology	2021	Engineering	Engineering technologies	Engineering technologies nec	Engineering	Materials and mining engineering
15.0805	Mechanical/ Mechanical Engineering Technology	2021	Engineering	Engineering technologies	Engineering technologies nec	Engineering	Mechanical engineering
15.0899	Mechanical Engineering Related Technologies, Other	2021	Engineering	Engineering technologies	Engineering technologies nec	Engineering	Mechanical engineering
15.0000	Engineering Technologies, General	2021	Engineering	Engineering technologies	Engineering technologies nec	Engineering	Engineering, other
15.0001	Applied Engineering Technologies	2021	Engineering	Engineering technologies	Engineering technologies nec	Engineering	Engineering, other
15.0101	Architectural Engineering Technologies	2021	Engineering	Engineering technologies	Engineering technologies nec	Engineering	Engineering, other
15.0701	Occupational Safety and Health Technology	2021	Engineering	Engineering technologies	Engineering technologies nec	Engineering	Engineering, other
15.0702	Quality Control Technology	2021	Engineering	Engineering technologies	Engineering technologies nec	Engineering	Engineering, other
15.0705	Process Safety Technology	2021	Engineering	Engineering technologies	Engineering technologies nec	Engineering	Engineering, other
15.0799	Quality Control and Safety Technologies, Other	2021	Engineering	Engineering technologies	Engineering technologies nec	Engineering	Engineering, other
15.0803	Automotive Engineering Technology	2021	Engineering	Engineering technologies	Engineering technologies nec	Engineering	Engineering, other
15.0806	Marine Engineering Technology	2021	Engineering	Engineering technologies	Engineering technologies nec	Engineering	Engineering, other

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
15.0807	Motorsports Engineering Technology	2021	Engineering	Engineering technologies	Engineering technologies nec	Engineering	Engineering, other
15.0901	Mining Technology	2021	Engineering	Engineering technologies	Engineering technologies nec	Engineering	Engineering, other
15.1199	Engineering-Related Technologies, Other	2021	Engineering	Engineering technologies	Engineering technologies nec	Engineering	Engineering, other
15.1301	Drafting and Design Technology, General	2021	Engineering	Engineering technologies	Engineering technologies nec	Engineering	Engineering, other
15.1302	CAD/ CADD Drafting and/or Design Technology	2021	Engineering	Engineering technologies	Engineering technologies nec	Engineering	Engineering, other
15.1303	Architectural Drafting and Architectural CAD/ CADD	2021	Engineering	Engineering technologies	Engineering technologies nec	Engineering	Engineering, other
15.1305	Electrical/ Electronics Drafting and Electrical/ Electronics CAD/ CADD	2021	Engineering	Engineering technologies	Engineering technologies nec	Engineering	Engineering, other
15.1306	Mechanical Drafting and Mechanical Drafting CAD/ CADD	2021	Engineering	Engineering technologies	Engineering technologies nec	Engineering	Engineering, other
15.1307	3-D Modeling and Design Technology	2021	Engineering	Engineering technologies	Engineering technologies nec	Engineering	Engineering, other
15.1399	Drafting/ Design Engineering Technologies, Other	2021	Engineering	Engineering technologies	Engineering technologies nec	Engineering	Engineering, other
15.1401	Nuclear Engineering Technology	2021	Engineering	Engineering technologies	Engineering technologies nec	Engineering	Engineering, other
15.1701	Energy Systems Technology	2021	Engineering	Engineering technologies	Engineering technologies nec	Engineering	Engineering, other
15.1702	Power Plant Technology	2021	Engineering	Engineering technologies	Engineering technologies nec	Engineering	Engineering, other
15.1703	Solar Energy Technology	2021	Engineering	Engineering technologies	Engineering technologies nec	Engineering	Engineering, other
15.1704	Wind Energy Technology	2021	Engineering	Engineering technologies	Engineering technologies nec	Engineering	Engineering, other
15.1705	Hydroelectric Energy Technology	2021	Engineering	Engineering technologies	Engineering technologies nec	Engineering	Engineering, other
15.1706	Geothermal Energy Technology	2021	Engineering	Engineering technologies	Engineering technologies nec	Engineering	Engineering, other
15.1799	Energy Systems Technologies, Other	2021	Engineering	Engineering technologies	Engineering technologies nec	Engineering	Engineering, other
15.9999	Engineering/ Engineering-Related Technologies, Other	2021	Engineering	Engineering technologies	Engineering technologies nec	Engineering	Engineering, other
14.3501	Industrial Engineering	2021	Engineering	Industrial engineering and operations research	Industrial engineering	Engineering	Industrial engineering and operations research
14.3501b	Industrial and Systems Engineering	2022	Engineering	Industrial engineering and operations research	Industrial and systems engineering	Engineering	Industrial engineering and operations research
14.3701	Operations Research (ENGINEERING)	2021	Engineering	Industrial engineering and operations research	Operations research	Engineering	Industrial engineering and operations research

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
14.3701b	Operations Research (MATHEMATICS)	2021	Engineering	Industrial engineering and operations research	Operations research	Mathematics and statistics	Mathematics and statistics, other
14.3701c	Operations Research (BUSINESS)	2021	Engineering	Industrial engineering and operations research	Operations research	Business	Business
14.2701	Systems Engineering	2021	Engineering	Industrial engineering and operations research	Systems and manufacturing engineering	Engineering	Industrial engineering and operations research
14.3601	Manufacturing Engineering	2021	Engineering	Industrial engineering and operations research	Systems and manufacturing engineering	Engineering	Industrial engineering and operations research
14.1801	Materials Engineering	2021	Engineering	Materials and mining engineering	Materials engineering	Engineering	Materials and mining engineering
14.1801b	Materials Science and Engineering	2021	Engineering	Materials and mining engineering	Materials science and engineering	Engineering	Materials and mining engineering
14.0601	Ceramic Sciences and Engineering	2021	Engineering	Materials and mining engineering	Materials and mining engineering nec	Engineering	Materials and mining engineering
14.2001	Metallurgical Engineering	2021	Engineering	Materials and mining engineering	Materials and mining engineering nec	Engineering	Materials and mining engineering
14.2801	Textile Sciences and Engineering	2021	Engineering	Materials and mining engineering	Materials and mining engineering nec	Engineering	Materials and mining engineering
14.2101	Mining and Mineral Engineering	2021	Engineering	Materials and mining engineering	Materials and mining engineering nec	Engineering	Engineering, other
14.1901	Mechanical Engineering	2021	Engineering	Mechanical engineering	Mechanical engineering, general	Engineering	Mechanical engineering
14.4101	Electromechanical Engineering	2021	Engineering	Mechanical engineering	Mechanical engineering nec	Engineering	Mechanical engineering
14.4201	Mechatronics, Robotics, and Automation Engineering	2021	Engineering	Mechanical engineering	Mechanical engineering nec	Engineering	Mechanical engineering
14.3401	Forest Engineering	2021	Engineering	Engineering, other	Agricultural and natural resources engineering	Engineering	Civil, environmental, and transportation engineering
14.0301	Agricultural Engineering	2021	Engineering	Engineering, other	Agricultural and natural resources engineering	Engineering	Engineering, other
14.2401	Ocean Engineering	2021	Engineering	Engineering, other	Agricultural and natural resources engineering	Engineering	Engineering, other
14.1101	Engineering Mechanics	2021	Engineering	Engineering, other	Engineering mechanics, physics, and science	Engineering	Engineering, other

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
14.1101b	Computational Mechanics	2022	Engineering	Engineering, other	Engineering mechanics, physics, and science	Engineering	Engineering, other
14.1201	Engineering Physics	2021	Engineering	Engineering, other	Engineering mechanics, physics, and science	Engineering	Engineering, other
14.1301	Engineering Science	2021	Engineering	Engineering, other	Engineering mechanics, physics, and science	Engineering	Engineering, other
14.9999e	Nanoengineering/ Nanoscale Engineering	2022	Engineering	Engineering, other	Nanotechnology, nanoscience, and nanoengineering	Engineering	Engineering, other
15.1601	Nanotechnology	2021	Engineering	Engineering, other	Nanotechnology, nanoscience, and nanoengineering	Engineering	Engineering, other
30.9999c	Nanosciences/ Nanoscale Sciences	2021	Engineering	Engineering, other	Nanotechnology, nanoscience, and nanoengineering	Engineering	Engineering, other
14.2301	Nuclear Engineering	2021	Engineering	Engineering, other	Nuclear engineering	Engineering	Engineering, other
14.0101	Engineering, General	2021	Engineering	Engineering, other	Engineering nec	Engineering	Engineering, other
14.0102	Pre-Engineering	2021	Engineering	Engineering, other	Engineering nec	Engineering	Engineering, other
14.0103	Applied Engineering	2021	Engineering	Engineering, other	Engineering nec	Engineering	Engineering, other
14.2201	Naval Architecture and Marine Engineering	2021	Engineering	Engineering, other	Engineering nec	Engineering	Engineering, other
14.4801	Energy Systems Engineering, General	2021	Engineering	Engineering, other	Engineering nec	Engineering	Engineering, other
14.4802	Power Plant Engineering	2021	Engineering	Engineering, other	Engineering nec	Engineering	Engineering, other
14.4899	Energy Systems Engineering, Other	2021	Engineering	Engineering, other	Engineering nec	Engineering	Engineering, other
14.9999	Engineering, Other	2021	Engineering	Engineering, other	Engineering nec	Engineering	Engineering, other
14.9999c	Engineering Management and Administration	2021	Engineering	Engineering, other	Engineering nec	Engineering	Engineering, other
14.9999d	Computational Engineering	2022	Engineering	Engineering, other	Engineering nec	Engineering	Engineering, other
15.1501	Engineering/ Industrial Management	2021	Engineering	Engineering, other	Engineering nec	Engineering	Engineering, other
15.1502	Engineering Design	2021	Engineering	Engineering, other	Engineering nec	Engineering	Engineering, other
15.1503	Packaging Science	2021	Engineering	Engineering, other	Engineering nec	Engineering	Engineering, other
15.1599	Engineering-Related Fields, Other	2021	Engineering	Engineering, other	Engineering nec	Engineering	Engineering, other
14.9999b	Engineering Education	2021	Engineering	Engineering, other	Engineering nec	Education	Teacher education and teaching fields
40.0602	Geochemistry	2021	Geosciences, atmospheric, and ocean sciences	Geological and earth sciences	Geochemistry	Geosciences, atmospheric, and ocean sciences	Geological sciences

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
40.0606	Geochemistry and Petrology	2021	Geosciences, atmospheric, and ocean sciences	Geological and earth sciences	Geochemistry	Geosciences, atmospheric, and ocean sciences	Geological sciences
40.0601c	Geology	2021	Geosciences, atmospheric, and ocean sciences	Geological and earth sciences	Geology	Geosciences, atmospheric, and ocean sciences	Geological sciences
40.0601	Geology/ Earth Science, General	2021	Geosciences, atmospheric, and ocean sciences	Geological and earth sciences	Geology/ earth science, general	Geosciences, atmospheric, and ocean sciences	Geological sciences
40.0601b	Earth Science	2021	Geosciences, atmospheric, and ocean sciences	Geological and earth sciences	Geology/ earth science, general	Geosciences, atmospheric, and ocean sciences	Geological sciences
40.0601d	Geological Sciences, Geosciences	2025	Geosciences, atmospheric, and ocean sciences	Geological and earth sciences	Geology/ earth science, general	Geosciences, atmospheric, and ocean sciences	Geological sciences
40.0603	Geophysics and Seismology	2021	Geosciences, atmospheric, and ocean sciences	Geological and earth sciences	Geophysics and seismology	Geosciences, atmospheric, and ocean sciences	Geological sciences
40.0605	Hydrology and Water Resources Science	2021	Geosciences, atmospheric, and ocean sciences	Geological and earth sciences	Hydrology and water resources science	Geosciences, atmospheric, and ocean sciences	Ocean, marine, and atmospheric sciences
15.1102	Surveying Technology/ Surveying	2021	Geosciences, atmospheric, and ocean sciences	Geological and earth sciences	Geological and earth sciences nec	Engineering	Civil, environmental, and transportation engineering
30.3801	Earth Systems Science	2021	Geosciences, atmospheric, and ocean sciences	Geological and earth sciences	Geological and earth sciences nec	Geosciences, atmospheric, and ocean sciences	Geological sciences
30.3801b	Earth & Environmental Sciences	2022	Geosciences, atmospheric, and ocean sciences	Geological and earth sciences	Geological and earth sciences nec	Geosciences, atmospheric, and ocean sciences	Geological sciences
30.4101	Environmental Geosciences	2021	Geosciences, atmospheric, and ocean sciences	Geological and earth sciences	Geological and earth sciences nec	Geosciences, atmospheric, and ocean sciences	Geological sciences
40.0604	Paleontology	2021	Geosciences, atmospheric, and ocean sciences	Geological and earth sciences	Geological and earth sciences nec	Geosciences, atmospheric, and ocean sciences	Geological sciences
40.0699	Geological and Earth Sciences/ Geosciences, Other	2021	Geosciences, atmospheric, and ocean sciences	Geological and earth sciences	Geological and earth sciences nec	Geosciences, atmospheric, and ocean sciences	Geological sciences
40.0699b	Geomorphology and Glacial Geology	2021	Geosciences, atmospheric, and ocean sciences	Geological and earth sciences	Geological and earth sciences nec	Geosciences, atmospheric, and ocean sciences	Geological sciences

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
40.0699d	Earth and Planetary Sciences	2025	Geosciences, atmospheric, and ocean sciences	Geological and earth sciences	Geological and earth sciences nec	Geosciences, atmospheric, and ocean sciences	Geological sciences
40.0699c	Stratigraphy and Sedimentation	2021	Geosciences, atmospheric, and ocean sciences	Geological and earth sciences	Geological and earth sciences nec	Geosciences, atmospheric, and ocean sciences	Geological sciences
40.0401	Atmospheric Sciences and Meteorology, General	2021	Geosciences, atmospheric, and ocean sciences	Ocean, marine, and atmospheric sciences	Atmospheric sciences and meteorology, general	Geosciences, atmospheric, and ocean sciences	Ocean, marine, and atmospheric sciences
30.3501	Climate Science	2021	Geosciences, atmospheric, and ocean sciences	Ocean, marine, and atmospheric sciences	Atmospheric sciences and meteorology nec	Geosciences, atmospheric, and ocean sciences	Ocean, marine, and atmospheric sciences
40.0404	Meteorology	2021	Geosciences, atmospheric, and ocean sciences	Ocean, marine, and atmospheric sciences	Atmospheric sciences and meteorology nec	Geosciences, atmospheric, and ocean sciences	Ocean, marine, and atmospheric sciences
40.0499	Atmospheric Sciences and Meteorology, Other	2021	Geosciences, atmospheric, and ocean sciences	Ocean, marine, and atmospheric sciences	Atmospheric sciences and meteorology nec	Geosciences, atmospheric, and ocean sciences	Ocean, marine, and atmospheric sciences
40.0499b	Planetary Sciences	2022	Geosciences, atmospheric, and ocean sciences	Ocean, marine, and atmospheric sciences	Atmospheric sciences and meteorology nec	Geosciences, atmospheric, and ocean sciences	Ocean, marine, and atmospheric sciences
40.0402	Atmospheric Chemistry and Climatology	2021	Geosciences, atmospheric, and ocean sciences	Ocean, marine, and atmospheric sciences	Climatology, atmospheric chemistry/ physics	Geosciences, atmospheric, and ocean sciences	Ocean, marine, and atmospheric sciences
40.0403	Atmospheric Physics and Dynamics	2021	Geosciences, atmospheric, and ocean sciences	Ocean, marine, and atmospheric sciences	Climatology, atmospheric chemistry/ physics	Geosciences, atmospheric, and ocean sciences	Ocean, marine, and atmospheric sciences
26.1302	Marine Biology and Biological Oceanography	2021	Geosciences, atmospheric, and ocean sciences	Ocean, marine, and atmospheric sciences	Marine biology and biological oceanography	Geosciences, atmospheric, and ocean sciences	Ocean, marine, and atmospheric sciences
30.3201	Marine Sciences	2021	Geosciences, atmospheric, and ocean sciences	Ocean, marine, and atmospheric sciences	Marine sciences	Geosciences, atmospheric, and ocean sciences	Ocean, marine, and atmospheric sciences
30.3201b	Ocean/ Marine Science, Other	2021	Geosciences, atmospheric, and ocean sciences	Ocean, marine, and atmospheric sciences	Marine sciences	Geosciences, atmospheric, and ocean sciences	Ocean, marine, and atmospheric sciences
40.0607	Oceanography, Chemical and Physical	2021	Geosciences, atmospheric, and ocean sciences	Ocean, marine, and atmospheric sciences	Oceanography, chemical/ physical	Geosciences, atmospheric, and ocean sciences	Ocean, marine, and atmospheric sciences
51.3203	Nursing Education	2021	Health sciences	Nursing and nursing science	Nursing education	Education	Teacher education and teaching fields
51.3808	Nursing Science	2021	Health sciences	Nursing and nursing science	Nursing science	Health sciences	Nursing science

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
51.3801	Registered Nursing/ Registered Nurse	2021	Health sciences	Nursing and nursing science	Nursing specialties and practice	Health sciences	Nursing science
51.3802	Nursing Administration	2021	Health sciences	Nursing and nursing science	Nursing specialties and practice	Health sciences	Nursing science
51.3803	Adult Health Nurse/ Nursing	2021	Health sciences	Nursing and nursing science	Nursing specialties and practice	Health sciences	Nursing science
51.3804	Nurse Anesthetist	2021	Health sciences	Nursing and nursing science	Nursing specialties and practice	Health sciences	Nursing science
51.3805	Family Practice Nurse/ Nursing	2021	Health sciences	Nursing and nursing science	Nursing specialties and practice	Health sciences	Nursing science
51.3806	Maternal/ Child Health and Neonatal Nurse/ Nursing	2021	Health sciences	Nursing and nursing science	Nursing specialties and practice	Health sciences	Nursing science
51.3807	Nurse Midwife/ Nursing Midwifery	2021	Health sciences	Nursing and nursing science	Nursing specialties and practice	Health sciences	Nursing science
51.3809	Pediatric Nurse/ Nursing	2021	Health sciences	Nursing and nursing science	Nursing specialties and practice	Health sciences	Nursing science
51.3810	Psychiatric/ Mental Health Nurse/ Nursing	2021	Health sciences	Nursing and nursing science	Nursing specialties and practice	Health sciences	Nursing science
51.3811	Public Health/ Community Nurse/ Nursing	2021	Health sciences	Nursing and nursing science	Nursing specialties and practice	Health sciences	Nursing science
51.3812	Perioperative/ Operating Room and Surgical Nurse/ Nursing	2021	Health sciences	Nursing and nursing science	Nursing specialties and practice	Health sciences	Nursing science
51.3813	Clinical Nurse Specialist	2021	Health sciences	Nursing and nursing science	Nursing specialties and practice	Health sciences	Nursing science
51.3814	Critical Care Nursing	2021	Health sciences	Nursing and nursing science	Nursing specialties and practice	Health sciences	Nursing science
51.3815	Occupational and Environmental Health Nursing	2021	Health sciences	Nursing and nursing science	Nursing specialties and practice	Health sciences	Nursing science
51.3816	Emergency Room/ Trauma Nursing	2021	Health sciences	Nursing and nursing science	Nursing specialties and practice	Health sciences	Nursing science
51.3818	Nursing Practice	2021	Health sciences	Nursing and nursing science	Nursing specialties and practice	Health sciences	Nursing science
51.3819	Palliative Care Nursing	2021	Health sciences	Nursing and nursing science	Nursing specialties and practice	Health sciences	Nursing science
51.3820	Clinical Nurse Leader	2021	Health sciences	Nursing and nursing science	Nursing specialties and practice	Health sciences	Nursing science
51.3821	Geriatric Nurse/ Nursing	2021	Health sciences	Nursing and nursing science	Nursing specialties and practice	Health sciences	Nursing science
51.3822	Women's Health Nurse/ Nursing	2021	Health sciences	Nursing and nursing science	Nursing specialties and practice	Health sciences	Nursing science
51.3824	Forensic Nursing	2021	Health sciences	Nursing and nursing science	Nursing specialties and practice	Health sciences	Nursing science
51.3899	Registered Nursing, Nursing Administration, Nursing Research and Clinical Nursing, Other	2021	Health sciences	Nursing and nursing science	Nursing specialties and practice	Health sciences	Nursing science
51.3901	Licensed Practical/ Vocational Nurse Training	2021	Health sciences	Nursing and nursing science	Nursing specialties and practice	Health sciences	Nursing science
51.3902	Nursing Assistant/ Aide and Patient Care Assistant/ Aide	2021	Health sciences	Nursing and nursing science	Nursing specialties and practice	Health sciences	Nursing science

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
51.3999	Practical Nursing, Vocational Nursing and Nursing Assistants, Other	2021	Health sciences	Nursing and nursing science	Nursing specialties and practice	Health sciences	Nursing science
51.2004	Medicinal and Pharmaceutical Chemistry	2021	Health sciences	Pharmacy and pharmaceutical sciences	Medicinal and pharmaceutical chemistry	Physical sciences	Chemistry
51.2010	Pharmaceutical Sciences	2021	Health sciences	Pharmacy and pharmaceutical sciences	Pharmaceutical sciences	Health sciences	Pharmaceutical sciences
51.2001	Pharmacy	2021	Health sciences	Pharmacy and pharmaceutical sciences	Pharmacy, pharmaceutical sciences, and administration nec	Health sciences	Pharmaceutical sciences
51.2002	Pharmacy Administration and Pharmacy Policy and Regulatory Affairs	2021	Health sciences	Pharmacy and pharmaceutical sciences	Pharmacy, pharmaceutical sciences, and administration nec	Health sciences	Pharmaceutical sciences
51.2003	Pharmaceutics and Drug Design	2021	Health sciences	Pharmacy and pharmaceutical sciences	Pharmacy, pharmaceutical sciences, and administration nec	Health sciences	Pharmaceutical sciences
51.2006	Clinical and Industrial Drug Development	2021	Health sciences	Pharmacy and pharmaceutical sciences	Pharmacy, pharmaceutical sciences, and administration nec	Health sciences	Pharmaceutical sciences
51.2007	Pharmacoeconomics/ Pharmaceutical Economics	2021	Health sciences	Pharmacy and pharmaceutical sciences	Pharmacy, pharmaceutical sciences, and administration nec	Health sciences	Pharmaceutical sciences
51.2008	Clinical, Hospital, and Managed Care Pharmacy	2021	Health sciences	Pharmacy and pharmaceutical sciences	Pharmacy, pharmaceutical sciences, and administration nec	Health sciences	Pharmaceutical sciences
51.2009	Industrial and Physical Pharmacy and Cosmetic Sciences	2021	Health sciences	Pharmacy and pharmaceutical sciences	Pharmacy, pharmaceutical sciences, and administration nec	Health sciences	Pharmaceutical sciences
51.2011	Pharmaceutical Marketing and Management	2021	Health sciences	Pharmacy and pharmaceutical sciences	Pharmacy, pharmaceutical sciences, and administration nec	Health sciences	Pharmaceutical sciences
51.2099	Pharmacy, Pharmaceutical Sciences, and Administration, Other	2021	Health sciences	Pharmacy and pharmaceutical sciences	Pharmacy, pharmaceutical sciences, and administration nec	Health sciences	Pharmaceutical sciences
51.2005	Natural Products Chemistry and Pharmacognosy	2021	Health sciences	Pharmacy and pharmaceutical sciences	Pharmacy, pharmaceutical sciences, and administration nec	Physical sciences	Chemistry
51.2202	Environmental Health	2021	Health sciences	Public health	Environmental health	Health sciences	Public health
51.2211b	Health Services Research	2021	Health sciences	Public health	Health services research	Health sciences	Public health
51.2205	Health/ Medical Physics	2021	Health sciences	Public health	Health/ medical physics	Health sciences	Health sciences, other

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
51.2207	Public Health Education and Promotion	2021	Health sciences	Public health	Public health education and promotion	Health sciences	Public health
51.2201	Public Health, General	2021	Health sciences	Public health	Public health, general	Health sciences	Public health
51.2206	Occupational Health and Industrial Hygiene	2021	Health sciences	Public health	Public health nec	Health sciences	Public health
51.2208	Community Health and Preventive Medicine	2021	Health sciences	Public health	Public health nec	Health sciences	Public health
51.2209	Maternal and Child Health	2021	Health sciences	Public health	Public health nec	Health sciences	Public health
51.2210	International Public Health/ International Health	2021	Health sciences	Public health	Public health nec	Health sciences	Public health
51.2212	Behavioral Aspects of Health	2021	Health sciences	Public health	Public health nec	Health sciences	Public health
51.2213	Patient Safety and Healthcare Quality	2021	Health sciences	Public health	Public health nec	Health sciences	Public health
51.2214	Public Health Genetics	2021	Health sciences	Public health	Public health nec	Health sciences	Public health
51.2299	Public Health, Other	2021	Health sciences	Public health	Public health nec	Health sciences	Public health
51.2211	Health Services Administration	2021	Health sciences	Public health	Public health nec	Health sciences	Health sciences, other
51.0201	Communication Sciences and Disorders, General	2021	Health sciences	Health sciences, other	Communication disorders sciences	Health sciences	Health sciences, other
51.0202	Audiology/ Audiologist	2021	Health sciences	Health sciences, other	Communication disorders sciences	Health sciences	Health sciences, other
51.0203	Speech-Language Pathology/ Pathologist	2021	Health sciences	Health sciences, other	Communication disorders sciences	Health sciences	Health sciences, other
51.0204	Audiology/ Audiologist and Speech-Language Pathology/ Pathologist	2021	Health sciences	Health sciences, other	Communication disorders sciences	Health sciences	Health sciences, other
51.0299	Communication Disorders Sciences and Services, Other	2021	Health sciences	Health sciences, other	Communication disorders sciences	Health sciences	Health sciences, other
51.0299b	Speech and Hearing Science	2025	Health sciences	Health sciences, other	Communication disorders sciences	Health sciences	Health sciences, other
31.0505	Exercise Science and Kinesiology	2021	Health sciences	Health sciences, other	Exercise science and kinesiology	Health sciences	Health sciences, other
51.0000	Health Services/ Allied Health/ Health Sciences, General	2021	Health sciences	Health sciences, other	Health sciences, general	Health sciences	Health sciences, other
51.0000b	Health sciences, general	2021	Health sciences	Health sciences, other	Health sciences, general	Health sciences	Health sciences, other
51.0001	Health and Wellness, General	2021	Health sciences	Health sciences, other	Health sciences, general	Health sciences	Health sciences, other
51.1505	Marriage and Family Therapy/ Counseling	2021	Health sciences	Health sciences, other	Marriage and family therapy/ counseling	Psychology	Counseling and applied psychology
51.1405	Tropical Medicine	2021	Health sciences	Health sciences, other	Medical clinical sciences	Biological and biomedical sciences	Biology and biomedical sciences, general

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
51.1401	Medical Science/ Scientist	2021	Health sciences	Health sciences, other	Medical clinical sciences	Health sciences	Health sciences, other
51.1402	Clinical and Translational Science	2021	Health sciences	Health sciences, other	Medical clinical sciences	Health sciences	Health sciences, other
51.1403	Pain Management	2021	Health sciences	Health sciences, other	Medical clinical sciences	Health sciences	Health sciences, other
51.1404	Temporomandibular Disorders and Orofacial Pain	2021	Health sciences	Health sciences, other	Medical clinical sciences	Health sciences	Health sciences, other
51.1499	Medical Clinical Sciences/ Graduate Medical Studies, Other	2021	Health sciences	Health sciences, other	Medical clinical sciences	Health sciences	Health sciences, other
51.1499b	Clinical Investigation and Sciences	2022	Health sciences	Health sciences, other	Medical clinical sciences	Health sciences	Health sciences, other
51.2706	Medical Informatics	2021	Health sciences	Health sciences, other	Medical, biomedical, and health informatics	Biological and biomedical sciences	Bioinformatics, biostatistics, and computational biology
51.2706b	Biomedical and Health Informatics	2021	Health sciences	Health sciences, other	Medical, biomedical, and health informatics	Biological and biomedical sciences	Bioinformatics, biostatistics, and computational biology
51.2799	Medical Illustration and Informatics, Other	2021	Health sciences	Health sciences, other	Medical, biomedical, and health informatics	Health sciences	Health sciences, other
51.2703	Medical Illustration/ Medical Illustrator	2021	Health sciences	Health sciences, other	Medical, biomedical, and health informatics	Other non-science and engineering	Communication
51.1501	Substance Abuse/ Addiction Counseling	2021	Health sciences	Health sciences, other	Mental health, counseling, and therapy services and sciences	Health sciences	Health sciences, other
51.1504	Community Health Services/ Liaison/ Counseling	2021	Health sciences	Health sciences, other	Mental health, counseling, and therapy services and sciences	Health sciences	Health sciences, other
51.1512	Hospice and Palliative Care	2021	Health sciences	Health sciences, other	Mental health, counseling, and therapy services and sciences	Health sciences	Health sciences, other
51.1502	Psychiatric/ Mental Health Services Technician	2021	Health sciences	Health sciences, other	Mental health, counseling, and therapy services and sciences	Psychology	Clinical psychology
51.1506	Clinical Pastoral Counseling/ Patient Counseling	2021	Health sciences	Health sciences, other	Mental health, counseling, and therapy services and sciences	Psychology	Clinical psychology
51.1507	Psychoanalysis and Psychotherapy	2021	Health sciences	Health sciences, other	Mental health, counseling, and therapy services and sciences	Psychology	Clinical psychology

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
51.1508	Mental Health Counseling/ Counselor	2021	Health sciences	Health sciences, other	Mental health, counseling, and therapy services and sciences	Psychology	Counseling and applied psychology
51.1509	Genetic Counseling/ Counselor	2021	Health sciences	Health sciences, other	Mental health, counseling, and therapy services and sciences	Psychology	Counseling and applied psychology
51.1510	Infant/ Toddler Mental Health Services	2021	Health sciences	Health sciences, other	Mental health, counseling, and therapy services and sciences	Psychology	Counseling and applied psychology
51.1511	Medical Family Therapy/ Therapist	2021	Health sciences	Health sciences, other	Mental health, counseling, and therapy services and sciences	Psychology	Counseling and applied psychology
51.1513	Trauma Counseling	2021	Health sciences	Health sciences, other	Mental health, counseling, and therapy services and sciences	Psychology	Counseling and applied psychology
51.1599	Mental and Social Health Services and Allied Professions, Other	2021	Health sciences	Health sciences, other	Mental health, counseling, and therapy services and sciences	Psychology	Counseling and applied psychology
51.1503	Clinical/ Medical Social Work	2021	Health sciences	Health sciences, other	Mental health, counseling, and therapy services and sciences	Other non-science and engineering	Public administration and social services
51.2300	Rehabilitation and Therapeutic Professions, General	2021	Health sciences	Health sciences, other	Rehabilitation and therapeutic sciences	Health sciences	Health sciences, other
51.2302	Dance Therapy/ Therapist	2021	Health sciences	Health sciences, other	Rehabilitation and therapeutic sciences	Health sciences	Health sciences, other
51.2306	Occupational Therapy/ Therapist	2021	Health sciences	Health sciences, other	Rehabilitation and therapeutic sciences	Health sciences	Health sciences, other
51.2307	Orthotist/ Prosthetist	2021	Health sciences	Health sciences, other	Rehabilitation and therapeutic sciences	Health sciences	Health sciences, other
51.2308	Physical Therapy/ Therapist	2021	Health sciences	Health sciences, other	Rehabilitation and therapeutic sciences	Health sciences	Health sciences, other
51.2309	Therapeutic Recreation/ Recreational Therapy	2021	Health sciences	Health sciences, other	Rehabilitation and therapeutic sciences	Health sciences	Health sciences, other
51.2310	Vocational Rehabilitation Counseling/ Counselor	2021	Health sciences	Health sciences, other	Rehabilitation and therapeutic sciences	Health sciences	Health sciences, other
51.2311	Kinesiotherapy/ Kinesiotherapist	2021	Health sciences	Health sciences, other	Rehabilitation and therapeutic sciences	Health sciences	Health sciences, other
51.2312	Assistive/ Augmentative Technology and Rehabilitation Engineering	2021	Health sciences	Health sciences, other	Rehabilitation and therapeutic sciences	Health sciences	Health sciences, other
51.2313	Animal-Assisted Therapy	2021	Health sciences	Health sciences, other	Rehabilitation and therapeutic sciences	Health sciences	Health sciences, other
51.2314	Rehabilitation Science	2021	Health sciences	Health sciences, other	Rehabilitation and therapeutic sciences	Health sciences	Health sciences, other
51.2315	Drama Therapy/ Therapist	2021	Health sciences	Health sciences, other	Rehabilitation and therapeutic sciences	Health sciences	Health sciences, other
51.2316	Horticulture Therapy/ Therapist	2021	Health sciences	Health sciences, other	Rehabilitation and therapeutic sciences	Health sciences	Health sciences, other

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
51.2317	Play Therapy/ Therapist	2021	Health sciences	Health sciences, other	Rehabilitation and therapeutic sciences	Health sciences	Health sciences, other
51.2399	Rehabilitation and Therapeutic Professions, Other	2021	Health sciences	Health sciences, other	Rehabilitation and therapeutic sciences	Health sciences	Health sciences, other
51.2301	Art Therapy/ Therapist	2021	Health sciences	Health sciences, other	Rehabilitation and therapeutic sciences	Humanities and arts	Humanities and arts, other
51.2305	Music Therapy/ Therapist	2021	Health sciences	Health sciences, other	Rehabilitation and therapeutic sciences	Humanities and arts	Humanities and arts, other
51.0914	Gene/ Genetic Therapy	2021	Health sciences	Health sciences, other	Health sciences nec	Biological and biomedical sciences	Genetics and genomics
51.1010	Cytogenetics/ Genetics/ Clinical Genetics Technology/ Technologist	2021	Health sciences	Health sciences, other	Health sciences nec	Biological and biomedical sciences	Genetics and genomics
51.0811	Pathology/ Pathologist Assistant	2021	Health sciences	Health sciences, other	Health sciences nec	Biological and biomedical sciences	Physiology, pathology, and cancer biology
51.3101	Dietetics/ Dietitian	2021	Health sciences	Health sciences, other	Health sciences nec	Biological and biomedical sciences	Biology and biomedical sciences, other
51.3102	Clinical Nutrition/ Nutritionist	2021	Health sciences	Health sciences, other	Health sciences nec	Biological and biomedical sciences	Biology and biomedical sciences, other
51.3103	Dietetic Technician	2021	Health sciences	Health sciences, other	Health sciences nec	Biological and biomedical sciences	Biology and biomedical sciences, other
51.3104	Dietitian Assistant	2021	Health sciences	Health sciences, other	Health sciences nec	Biological and biomedical sciences	Biology and biomedical sciences, other
51.3199	Dietetics and Clinical Nutrition Services, Other	2021	Health sciences	Health sciences, other	Health sciences nec	Biological and biomedical sciences	Biology and biomedical sciences, other
51.1105	Pre-Nursing Studies	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Nursing science
51.0805	Pharmacy Technician/ Assistant	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Pharmaceutical sciences
51.1103	Pre-Pharmacy Studies	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Pharmaceutical sciences
51.0707	Health Information/ Medical Records Technology	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Public health
51.0719	Clinical Research Coordinator	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Public health
51.0720	Regulatory Science/ Affairs	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Public health
51.0722	Healthcare Innovation	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Public health
51.0101	Chiropractic	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.0401	Dentistry	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.0501	Dental Clinical Sciences, General	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
51.0502	Advanced General Dentistry	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.0503	Oral Biology and Oral and Maxillofacial Pathology	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.0504	Dental Public Health and Education	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.0505	Dental Materials	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.0506	Endodontics/ Endodontology	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.0507	Oral/ Maxillofacial Surgery	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.0508	Orthodontics/ Orthodontology	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.0509	Pediatric Dentistry/ Pedodontics	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.0510	Periodontics/ Periodontology	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.0511	Prosthodontics/ Prosthodontology	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.0512	Digital Dentistry	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.0513	Geriatric Dentistry	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.0514	Implantology/ Implant Dentistry	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.0599	Advanced/ Graduate Dentistry and Oral Sciences, Other	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.0601	Dental Assisting/ Assistant	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.0602	Dental Hygiene/ Hygienist	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.0603	Dental Laboratory Technology	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.0699	Dental Services and Allied Professions, Other	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.0701	Health/ Health Care Administration/ Management	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.0702	Hospital and Health Care Facilities Administration/ Management	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.0703	Health Unit Coordinator/ Ward Clerk	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.0704	Health Unit Manager/ Ward Supervisor	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.0705	Medical Office Management/ Administration	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.0706	Health Information/ Medical Records Administration/ Administrator	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
51.0708	Medical Transcription/ Transcriptionist	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.0709	Medical Office Computer Specialist/ Assistant	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.0710	Medical Office Assistant/ Specialist	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.0711	Medical/ Health Management and Clinical Assistant/ Specialist	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.0712	Medical Reception/ Receptionist	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.0713	Medical Insurance Coding Specialist/ Coder	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.0714	Medical Insurance Specialist/ Medical Biller	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.0715	Health/ Medical Claims Examiner	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.0716	Medical Administrative/ Executive Assistant and Medical Secretary	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.0717	Medical Staff Services Technology	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.0718	Long Term Care Administration/ Management	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.0721	Disease Registry Data Management	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.0723	Healthcare Information Privacy Assurance and Security	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.0799	Health and Medical Administrative Services, Other	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.0799b	Health Policy and Management	2025	Health sciences	Health sciences, other	Health sciences nec	Social sciences	Public policy analysis
51.0801	Medical/ Clinical Assistant	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.0802	Clinical/ Medical Laboratory Assistant	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.0803	Occupational Therapist Assistant	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.0806	Physical Therapy Assistant	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.0809	Anesthesiologist Assistant	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.0810	Emergency Care Attendant (EMT Ambulance)	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.0812	Respiratory Therapy Technician/ Assistant	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.0813	Chiropractic Technician/ Assistant	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.0814	Radiologist Assistant	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
51.0815	Lactation Consultant	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.0816	Speech-Language Pathology Assistant	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.0899	Allied Health and Medical Assisting Services, Other	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.0901	Cardiovascular Technology/ Technologist	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.0902	Electrocardiograph Technology	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.0903	Electroneurodiagnostic/ Electroencephalographic Technology/ Technologist	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.0904	Emergency Medical Technology (EMT Paramedic)	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.0905	Nuclear Medical Technology/ Technologist	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.0906	Perfusion Technology/ Perfusionist	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.0907	Medical Radiologic Technology/ Science - Radiation Therapist	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.0908	Respiratory Care Therapy/ Therapist	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.0909	Surgical Technology/ Technologist	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.0910	Diagnostic Medical Sonography/ Sonographer and Ultrasound Technician	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.0911	Radiologic Technology/ Science - Radiographer	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.0912	Physician Assistant	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.0913	Athletic Training/ Trainer	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.0915	Cardiopulmonary Technology/ Technologist	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.0916	Radiation Protection/ Health Physics Technician	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.0917	Polysomnography	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.0918	Hearing Instrument Specialist	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.0919	Mammography Technology	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.0920	Magnetic Resonance Imaging (MRI) Technology	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.0921	Hyperbaric Medicine Technology	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.0922	Intraoperative Neuromonitoring Technology	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
51.0923	Orthopedic Technology	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.0999	Allied Health Diagnostic, Intervention, and Treatment Professions, Other	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.1001	Blood Bank Technology Specialist	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.1002	Cytotechnology/ Cytotechnologist	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.1003	Hematology Technology	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.1004	Clinical/ Medical Laboratory Technician	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.1005	Clinical Laboratory Science/ Medical Technology/ Technologist	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.1006	Ophthalmic Laboratory Technology	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.1007	Histologic Technology/ Histotechnologist	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.1008	Histologic Technician	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.1009	Phlebotomy Technician/ Phlebotomist	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.1011	Renal/ Dialysis Technologist/ Technician	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.1012	Sterile Processing Technology	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.1099	Clinical/ Medical Laboratory Science and Allied Professions, Other	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.1101	Pre-Dentistry Studies	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.1102	Pre-Medicine/ Pre-Medical Studies	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.1106	Pre-Chiropractic Studies	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.1107	Pre-Occupational Therapy Studies	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.1108	Pre-Optometry Studies	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.1109	Pre-Physical Therapy Studies	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.1110	Pre-Art Therapy	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.1111	Pre-Physician Assistant	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.1199	Health/ Medical Preparatory Programs, Other	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.1201	Medicine	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.1202	Osteopathic Medicine/ Osteopathy	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
51.1203	Podiatric Medicine/ Podiatry	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.1299	Medicine, Other	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.1701	Optometry	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.1801	Opticianry/ Ophthalmic Dispensing Optician	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.1802	Optometric Technician/ Assistant	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.1803	Ophthalmic Technician/ Technologist	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.1804	Orthoptics/ Orthoptist	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.1899	Ophthalmic and Optometric Support Services and Allied Professions, Other	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.2601	Health Aide	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.2602	Home Health Aide/ Home Attendant	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.2603	Medication Aide	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.2604	Rehabilitation Aide	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.2605	Physical Therapy Technician/ Aide	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.2699	Health Aides/ Attendants/ Orderlies, Other	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.3204	Medical/ Health Humanities	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.3300	Alternative and Complementary Medicine and Medical Systems, General	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.3301	Acupuncture and Oriental Medicine	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.3302	Traditional Chinese Medicine and Chinese Herbology	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.3303	Naturopathic Medicine/ Naturopathy	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.3304	Homeopathic Medicine/ Homeopathy	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.3305	Ayurvedic Medicine/ Ayurveda	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.3306	Holistic/ Integrative Health	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.3399	Alternative and Complementary Medicine and Medical Systems, Other	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.3401	Direct Entry Midwifery	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
51.3499	Alternative and Complementary Medical Support Services, Other	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.3501	Massage Therapy/ Therapeutic Massage	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.3502	Asian Bodywork Therapy	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.3503	Somatic Bodywork	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.3599	Somatic Bodywork and Related Therapeutic Services, Other	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.3601	Movement Therapy and Movement Education	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.3602	Yoga Teacher Training/ Yoga Therapy	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.3699	Movement and Mind-Body Therapies and Education, Other	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.3701	Aromatherapy	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.3702	Herbalism/ Herbalist	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.3703	Polarity Therapy	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.3704	Reiki	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.3799	Energy and Biologically Based Therapies, Other	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.9999	Health Professions and Related Clinical Sciences, Other	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.9999b	Health Sciences, Other	2021	Health sciences	Health sciences, other	Health sciences nec	Health sciences	Health sciences, other
51.3603	Hypnotherapy/ Hypnotherapist	2021	Health sciences	Health sciences, other	Health sciences nec	Psychology	Psychology, other
51.3205	History of Medicine	2021	Health sciences	Health sciences, other	Health sciences nec	Social sciences	Social sciences, other
51.3202	Health Professions Education	2021	Health sciences	Health sciences, other	Health sciences nec	Education	Teacher education and teaching fields
51.3299	Health Professions Education, Ethics, and Humanities, Other	2021	Health sciences	Health sciences, other	Health sciences nec	Education	Teacher education and teaching fields
51.3201	Bioethics/ Medical Ethics	2021	Health sciences	Health sciences, other	Health sciences nec	Humanities and arts	Humanities and arts, other
51.3206	Arts in Medicine/ Health	2021	Health sciences	Health sciences, other	Health sciences nec	Humanities and arts	Humanities and arts, other
27.0301	Applied Mathematics, General	2021	Mathematics and statistics	Applied mathematics	Applied mathematics, general	Mathematics and statistics	Applied mathematics
27.0304	Computational and Applied Mathematics	2021	Mathematics and statistics	Applied mathematics	Computational and applied mathematics	Mathematics and statistics	Applied mathematics
27.0303	Computational Mathematics	2021	Mathematics and statistics	Applied mathematics	Computational and applied mathematics	Mathematics and statistics	Mathematics

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
27.0399	Applied Mathematics, Other	2021	Mathematics and statistics	Applied mathematics	Applied mathematics nec	Mathematics and statistics	Applied mathematics
27.0305	Financial Mathematics	2021	Mathematics and statistics	Applied mathematics	Applied mathematics nec	Mathematics and statistics	Mathematics and statistics, other
27.0306	Mathematical Biology	2021	Mathematics and statistics	Applied mathematics	Applied mathematics nec	Mathematics and statistics	Mathematics and statistics, other
52.1304	Actuarial Science	2021	Mathematics and statistics	Applied mathematics	Applied mathematics nec	Business	Business
27.0102	Algebra and Number Theory	2021	Mathematics and statistics	Mathematics	Algebra and number theory	Mathematics and statistics	Mathematics
27.0102b	Algebra	2021	Mathematics and statistics	Mathematics	Algebra and number theory	Mathematics and statistics	Mathematics
27.0102c	Number Theory	2021	Mathematics and statistics	Mathematics	Algebra and number theory	Mathematics and statistics	Mathematics
27.0101	Mathematics, General	2021	Mathematics and statistics	Mathematics	Mathematics, general	Mathematics and statistics	Mathematics and statistics, other
27.0101b	Mathematical Sciences	2022	Mathematics and statistics	Mathematics	Mathematics, general	Mathematics and statistics	Mathematics and statistics, other
27.0103	Analysis and Functional Analysis	2021	Mathematics and statistics	Mathematics	Mathematics nec	Mathematics and statistics	Mathematics
27.0104	Geometry/ Geometric Analysis	2021	Mathematics and statistics	Mathematics	Mathematics nec	Mathematics and statistics	Mathematics
27.0105	Topology and Foundations	2021	Mathematics and statistics	Mathematics	Mathematics nec	Mathematics and statistics	Mathematics
27.0199c	Logic (MATHEMATICS)	2021	Mathematics and statistics	Mathematics	Mathematics nec	Mathematics and statistics	Mathematics
27.0199	Mathematics, Other	2021	Mathematics and statistics	Mathematics	Mathematics nec	Mathematics and statistics	Mathematics and statistics, other
27.0601	Applied Statistics, General	2021	Mathematics and statistics	Statistics	Applied statistics, general	Mathematics and statistics	Statistics
27.0502	Mathematical Statistics and Probability	2021	Mathematics and statistics	Statistics	Mathematics and statistics	Mathematics and statistics	Statistics
27.0503	Mathematics and Statistics	2021	Mathematics and statistics	Statistics	Mathematics and statistics	Mathematics and statistics	Mathematics and statistics, other
27.9999	Mathematics and Statistics, Other	2021	Mathematics and statistics	Statistics	Mathematics and statistics	Mathematics and statistics	Mathematics and statistics, other
27.0501	Statistics (MATHEMATICS)	2021	Mathematics and statistics	Statistics	Statistics	Mathematics and statistics	Statistics
27.0599	Statistics, Other	2021	Mathematics and statistics	Statistics	Statistics nec	Mathematics and statistics	Mathematics and statistics, other
27.0599b	Statistics (SOCIAL SCIENCES)	2021	Mathematics and statistics	Statistics	Statistics nec	Social sciences	Social sciences, other
30.9999d	Computer Science and Engineering	2021	Multidisciplinary/ interdisciplinary sciences	Interdisciplinary computer sciences	Computer science and engineering	Engineering	Electrical and computer engineering

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
30.9999b	Electrical Engineering and Computer Science	2021	Multidisciplinary/interdisciplinary sciences	Interdisciplinary computer sciences	Electrical engineering and computer science	Engineering	Electrical and computer engineering
30.3101	Human Computer Interaction	2021	Multidisciplinary/interdisciplinary sciences	Interdisciplinary computer sciences	Human computer Interaction	Computer and information sciences	Computer science
30.0801	Mathematics and Computer Science	2021	Multidisciplinary/interdisciplinary sciences	Interdisciplinary computer sciences	Interdisciplinary computer sciences nec	Mathematics and statistics	Applied mathematics
30.3901	Economics and Computer Science	2021	Multidisciplinary/interdisciplinary sciences	Interdisciplinary computer sciences	Interdisciplinary computer sciences nec	Social sciences	Economics
30.4801	Linguistics and Computer Science	2021	Multidisciplinary/interdisciplinary sciences	Interdisciplinary computer sciences	Interdisciplinary computer sciences nec	Social sciences	Social sciences, other
30.1601	Accounting and Computer Science	2021	Multidisciplinary/interdisciplinary sciences	Interdisciplinary computer sciences	Interdisciplinary computer sciences nec	Business	Business
30.9999h	Quantum Science and Engineering	2025	Multidisciplinary/interdisciplinary sciences	Interdisciplinary computer sciences	Interdisciplinary computer sciences nec	Engineering	Engineering, other
30.1701	Behavioral Sciences	2021	Multidisciplinary/interdisciplinary sciences	Multidisciplinary/interdisciplinary sciences, other	Behavioral and cognitive sciences	Psychology	Research and experimental psychology
30.2501	Cognitive Science, General	2021	Multidisciplinary/interdisciplinary sciences	Multidisciplinary/interdisciplinary sciences, other	Behavioral and cognitive sciences	Psychology	Research and experimental psychology
30.2599	Cognitive Science, Other	2021	Multidisciplinary/interdisciplinary sciences	Multidisciplinary/interdisciplinary sciences, other	Behavioral and cognitive sciences	Psychology	Research and experimental psychology
30.2502	Contemplative Studies/ Inquiry	2021	Multidisciplinary/interdisciplinary sciences	Multidisciplinary/interdisciplinary sciences, other	Behavioral and cognitive sciences	Psychology	Psychology, other
30.3001b	Computational Science and Engineering	2021	Multidisciplinary/interdisciplinary sciences	Multidisciplinary/interdisciplinary sciences, other	Computational science and engineering	Engineering	Engineering, other
30.3001c	Computational Science, Engineering, and Mathematics	2022	Multidisciplinary/interdisciplinary sciences	Multidisciplinary/interdisciplinary sciences, other	Computational science and engineering	Engineering	Engineering, other
30.3001	Computational Science	2021	Multidisciplinary/interdisciplinary sciences	Multidisciplinary/interdisciplinary sciences, other	Computational science and engineering	Mathematics and statistics	Mathematics
30.7099b	Data Mining and Machine Learning	2022	Multidisciplinary/interdisciplinary sciences	Multidisciplinary/interdisciplinary sciences, other	Data mining and machine learning	Computer and information sciences	Computer and information sciences, other
30.7001	Data Science, General	2021	Multidisciplinary/interdisciplinary sciences	Multidisciplinary/interdisciplinary sciences, other	Data science and data analytics	Computer and information sciences	Computer and information sciences, other
30.7099	Data Science, Other	2021	Multidisciplinary/interdisciplinary sciences	Multidisciplinary/interdisciplinary sciences, other	Data science and data analytics	Computer and information sciences	Computer and information sciences, other
30.7101	Data Analytics, General	2021	Multidisciplinary/interdisciplinary sciences	Multidisciplinary/interdisciplinary sciences, other	Data science and data analytics	Computer and information sciences	Computer and information sciences, other

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
30.7199	Data Analytics, Other	2021	Multidisciplinary/interdisciplinary sciences	Multidisciplinary/interdisciplinary sciences, other	Data science and data analytics	Computer and information sciences	Computer and information sciences, other
30.7103	Data Visualization	2021	Multidisciplinary/interdisciplinary sciences	Multidisciplinary/interdisciplinary sciences, other	Data science and data analytics	Mathematics and statistics	Applied mathematics
30.7102	Business Analytics	2021	Multidisciplinary/interdisciplinary sciences	Multidisciplinary/interdisciplinary sciences, other	Data science and data analytics	Business	Business
30.7104	Financial Analytics	2021	Multidisciplinary/interdisciplinary sciences	Multidisciplinary/interdisciplinary sciences, other	Data science and data analytics	Business	Business
30.1501	Science, Technology and Society	2021	Multidisciplinary/interdisciplinary sciences	Multidisciplinary/interdisciplinary sciences, other	History/ philosophy of science, technology, and society	Social sciences	Social sciences, other
54.0104	History and Philosophy of Science and Technology	2021	Multidisciplinary/interdisciplinary sciences	Multidisciplinary/interdisciplinary sciences, other	History/ philosophy of science, technology, and society	Social sciences	Social sciences, other
30.1901	Nutrition Sciences	2021	Multidisciplinary/interdisciplinary sciences	Multidisciplinary/interdisciplinary sciences, other	Nutrition sciences	Biological and biomedical sciences	Biology and biomedical sciences, other
30.9999e	Polymer Science and Engineering	2022	Multidisciplinary/interdisciplinary sciences	Multidisciplinary/interdisciplinary sciences, other	Polymer science and engineering	Engineering	Materials and mining engineering
30.1801	Natural Sciences	2021	Multidisciplinary/interdisciplinary sciences	Multidisciplinary/interdisciplinary sciences, other	Multidisciplinary/interdisciplinary sciences nec	Agricultural sciences and natural resources	Agricultural sciences
30.3301	Sustainability Studies	2021	Multidisciplinary/interdisciplinary sciences	Multidisciplinary/interdisciplinary sciences, other	Multidisciplinary/interdisciplinary sciences nec	Agricultural sciences and natural resources	Natural resources and conservation
30.2701	Human Biology	2021	Multidisciplinary/interdisciplinary sciences	Multidisciplinary/interdisciplinary sciences, other	Multidisciplinary/interdisciplinary sciences nec	Biological and biomedical sciences	Biology and biomedical sciences, general
30.0101	Biological and Physical Sciences	2021	Multidisciplinary/interdisciplinary sciences	Multidisciplinary/interdisciplinary sciences, other	Multidisciplinary/interdisciplinary sciences nec	Biological and biomedical sciences	Biology and biomedical sciences, other
30.5301	Thanatology	2021	Multidisciplinary/interdisciplinary sciences	Multidisciplinary/interdisciplinary sciences, other	Multidisciplinary/interdisciplinary sciences nec	Biological and biomedical sciences	Biology and biomedical sciences, other
30.4201	Gearcheology	2021	Multidisciplinary/interdisciplinary sciences	Multidisciplinary/interdisciplinary sciences, other	Multidisciplinary/interdisciplinary sciences nec	Geosciences, atmospheric, and ocean sciences	Geological sciences
30.4301	Geobiology	2021	Multidisciplinary/interdisciplinary sciences	Multidisciplinary/interdisciplinary sciences, other	Multidisciplinary/interdisciplinary sciences nec	Geosciences, atmospheric, and ocean sciences	Geological sciences
30.5001	Mathematics and Atmospheric/ Oceanic Science	2021	Multidisciplinary/interdisciplinary sciences	Multidisciplinary/interdisciplinary sciences, other	Multidisciplinary/interdisciplinary sciences nec	Geosciences, atmospheric, and ocean sciences	Ocean, marine, and atmospheric sciences

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
30.3701	Design for Human Health	2021	Multidisciplinary/interdisciplinary sciences	Multidisciplinary/interdisciplinary sciences, other	Multidisciplinary/interdisciplinary sciences nec	Health sciences	Health sciences, other
30.1001	Biopsychology	2021	Multidisciplinary/interdisciplinary sciences	Multidisciplinary/interdisciplinary sciences, other	Multidisciplinary/interdisciplinary sciences nec	Psychology	Research and experimental psychology
30.3401	Anthrozoology	2021	Multidisciplinary/interdisciplinary sciences	Multidisciplinary/interdisciplinary sciences, other	Multidisciplinary/interdisciplinary sciences nec	Social sciences	Anthropology
30.4001	Economics and Foreign Language/ Literature	2021	Multidisciplinary/interdisciplinary sciences	Multidisciplinary/interdisciplinary sciences, other	Multidisciplinary/interdisciplinary sciences nec	Social sciences	Economics
30.4901	Mathematical Economics	2021	Multidisciplinary/interdisciplinary sciences	Multidisciplinary/interdisciplinary sciences, other	Multidisciplinary/interdisciplinary sciences nec	Social sciences	Economics
30.0501	Peace Studies and Conflict Resolution	2021	Multidisciplinary/interdisciplinary sciences	Multidisciplinary/interdisciplinary sciences, other	Multidisciplinary/interdisciplinary sciences nec	Social sciences	Social sciences, other
30.0501b	Conflict Analysis and Resolution	2021	Multidisciplinary/interdisciplinary sciences	Multidisciplinary/interdisciplinary sciences, other	Multidisciplinary/interdisciplinary sciences nec	Social sciences	Social sciences, other
30.2001	International/ Globalization Studies	2021	Multidisciplinary/interdisciplinary sciences	Multidisciplinary/interdisciplinary sciences, other	Multidisciplinary/interdisciplinary sciences nec	Social sciences	Social sciences, other
30.2301	Intercultural/ Multicultural and Diversity Studies	2021	Multidisciplinary/interdisciplinary sciences	Multidisciplinary/interdisciplinary sciences, other	Multidisciplinary/interdisciplinary sciences nec	Social sciences	Social sciences, other
30.2601	Cultural Studies/ Critical Theory and Analysis	2021	Multidisciplinary/interdisciplinary sciences	Multidisciplinary/interdisciplinary sciences, other	Multidisciplinary/interdisciplinary sciences nec	Social sciences	Social sciences, other
30.4401	Geography and Environmental Studies	2021	Multidisciplinary/interdisciplinary sciences	Multidisciplinary/interdisciplinary sciences, other	Multidisciplinary/interdisciplinary sciences nec	Social sciences	Social sciences, other
30.2101	Holocaust and Related Studies	2021	Multidisciplinary/interdisciplinary sciences	Multidisciplinary/interdisciplinary sciences, other	Multidisciplinary/interdisciplinary sciences nec	Humanities and arts	History
30.4601	History and Political Science	2021	Multidisciplinary/interdisciplinary sciences	Multidisciplinary/interdisciplinary sciences, other	Multidisciplinary/interdisciplinary sciences nec	Humanities and arts	History
30.5101	Philosophy, Politics, and Economics	2021	Multidisciplinary/interdisciplinary sciences	Multidisciplinary/interdisciplinary sciences, other	Multidisciplinary/interdisciplinary sciences nec	Humanities and arts	Philosophy and religious studies
30.0601	Systems Science and Theory	2021	Multidisciplinary/interdisciplinary sciences	Multidisciplinary/interdisciplinary sciences, other	Multidisciplinary/interdisciplinary sciences nec	Other non-science and engineering	Non-science and engineering, other
30.9999z	Multi-/ Interdisciplinary Sciences, Other	2022	Multidisciplinary/interdisciplinary sciences	Multidisciplinary/interdisciplinary sciences, other	Multidisciplinary/interdisciplinary sciences nec	Other non-science and engineering	Non-science and engineering, other
40.0201	Astronomy	2021	Physical sciences	Astronomy and astrophysics	Astronomy	Physical sciences	Astronomy and astrophysics
40.0202	Astrophysics	2021	Physical sciences	Astronomy and astrophysics	Astrophysics	Physical sciences	Astronomy and astrophysics
40.0203	Planetary Astronomy and Science	2021	Physical sciences	Astronomy and astrophysics	Astronomy and astrophysics nec	Physical sciences	Astronomy and astrophysics
40.0299	Astronomy and Astrophysics, Other	2021	Physical sciences	Astronomy and astrophysics	Astronomy and astrophysics nec	Physical sciences	Astronomy and astrophysics

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
40.0299b	Astronomy and Astrophysics	2025	Physical sciences	Astronomy and astrophysics	Astronomy and astrophysics nec	Physical sciences	Astronomy and astrophysics
40.0299c	Cosmology	2022	Physical sciences	Astronomy and astrophysics	Astronomy and astrophysics nec	Physical sciences	Astronomy and astrophysics
40.0502	Analytical Chemistry	2021	Physical sciences	Chemistry	Analytical chemistry	Physical sciences	Chemistry
40.0599b	Chemical Biology	2021	Physical sciences	Chemistry	Chemical biology	Physical sciences	Chemistry
40.0501	Chemistry, General	2021	Physical sciences	Chemistry	Chemistry, general	Physical sciences	Chemistry
40.0503	Inorganic Chemistry	2021	Physical sciences	Chemistry	Inorganic chemistry	Physical sciences	Chemistry
40.0504	Organic Chemistry	2021	Physical sciences	Chemistry	Organic chemistry	Physical sciences	Chemistry
40.0506	Physical Chemistry	2021	Physical sciences	Chemistry	Physical chemistry	Physical sciences	Chemistry
40.0507	Polymer Chemistry	2021	Physical sciences	Chemistry	Polymer chemistry	Physical sciences	Chemistry
40.0511	Theoretical Chemistry	2021	Physical sciences	Chemistry	Theoretical and computational chemistry	Physical sciences	Chemistry
40.0511b	Computational Chemistry	2022	Physical sciences	Chemistry	Theoretical and computational chemistry	Physical sciences	Chemistry
40.0509	Environmental Chemistry	2021	Physical sciences	Chemistry	Chemistry nec	Physical sciences	Chemistry
40.0510	Forensic Chemistry	2021	Physical sciences	Chemistry	Chemistry nec	Physical sciences	Chemistry
40.0512	Cheminformatics/ Chemistry Informatics	2021	Physical sciences	Chemistry	Chemistry nec	Physical sciences	Chemistry
40.0599	Chemistry, Other	2021	Physical sciences	Chemistry	Chemistry nec	Physical sciences	Chemistry
40.0508	Chemical Physics	2021	Physical sciences	Chemistry	Chemistry nec	Physical sciences	Physics
40.1001	Materials Science	2021	Physical sciences	Materials sciences	Materials science	Engineering	Materials and mining engineering
40.1099	Materials Sciences, Other	2021	Physical sciences	Materials sciences	Materials chemistry and materials sciences nec	Engineering	Materials and mining engineering
40.1002	Materials Chemistry	2021	Physical sciences	Materials sciences	Materials chemistry and materials sciences nec	Physical sciences	Chemistry
40.1099b	Fiber and Polymer Sciences	2022	Physical sciences	Materials sciences	Materials chemistry and materials sciences nec	Physical sciences	Chemistry
40.0899b	Applied Physics	2021	Physical sciences	Physics	Applied physics	Physical sciences	Physics
40.0802	Atomic/ Molecular Physics	2021	Physical sciences	Physics	Atomic/ molecular physics	Physical sciences	Physics
40.0808	Condensed Matter and Materials Physics	2021	Physical sciences	Physics	Condensed matter and materials physics	Physical sciences	Physics
40.0804	Elementary Particle Physics	2021	Physical sciences	Physics	Elementary particle physics	Physical sciences	Physics

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
40.0806	Nuclear Physics	2021	Physical sciences	Physics	Nuclear physics	Physical sciences	Physics
40.0807	Optics/ Optical Sciences	2021	Physical sciences	Physics	Optics/ optical sciences	Physical sciences	Physics
40.1101	Physics and Astronomy	2021	Physical sciences	Physics	Physics and astronomy	Physical sciences	Astronomy and astrophysics
40.0801	Physics, General	2021	Physical sciences	Physics	Physics, general	Physical sciences	Physics
40.0805	Plasma and High-Temperature Physics	2021	Physical sciences	Physics	Plasma and high-temperature physics	Physical sciences	Physics
40.0810	Theoretical and Mathematical Physics	2021	Physical sciences	Physics	Theoretical and mathematical physics	Physical sciences	Physics
40.9999b	Polymer Sciences	2022	Physical sciences	Physics	Physics and physical sciences nec	Physical sciences	Chemistry
40.0101	Physical Sciences, General	2021	Physical sciences	Physics	Physics and physical sciences nec	Physical sciences	Physics
40.0808b	Polymer Physics	2021	Physical sciences	Physics	Physics and physical sciences nec	Physical sciences	Physics
40.0809	Acoustics	2021	Physical sciences	Physics	Physics and physical sciences nec	Physical sciences	Physics
40.0899	Physics, Other	2021	Physical sciences	Physics	Physics and physical sciences nec	Physical sciences	Physics
40.9999	Physical Sciences, Other	2021	Physical sciences	Physics	Physics and physical sciences nec	Physical sciences	Physics
42.2807	Clinical Child Psychology	2021	Psychology	Clinical psychology	Clinical child psychology	Psychology	Research and experimental psychology
42.2801	Clinical Psychology	2021	Psychology	Clinical psychology	Clinical psychology	Psychology	Clinical psychology
42.2814	Applied Behavior Analysis	2021	Psychology	Counseling and applied psychology	Applied behavior analysis	Psychology	Counseling and applied psychology
42.2803	Counseling Psychology	2021	Psychology	Counseling and applied psychology	Counseling psychology	Psychology	Counseling and applied psychology
42.2806	Educational Psychology (PSYCHOLOGY)	2021	Psychology	Counseling and applied psychology	Educational psychology	Psychology	Counseling and applied psychology
42.2806b	Educational Psychology (EDUCATION)	2021	Psychology	Counseling and applied psychology	Educational psychology	Education	Education research
42.2804	Industrial and Organizational Psychology	2021	Psychology	Counseling and applied psychology	Industrial and organizational psychology	Psychology	Counseling and applied psychology
42.2805	School Psychology (PSYCHOLOGY)	2021	Psychology	Counseling and applied psychology	School psychology	Psychology	Counseling and applied psychology
42.2805b	School Psychology (EDUCATION)	2021	Psychology	Counseling and applied psychology	School psychology	Education	Education research
42.2899	Clinical, Counseling and Applied Psychology, Other	2021	Psychology	Counseling and applied psychology	Counseling and applied psychology nec	Psychology	Clinical psychology

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
42.2802	Community Psychology	2021	Psychology	Counseling and applied psychology	Counseling and applied psychology nec	Psychology	Counseling and applied psychology
42.2810	Health/ Medical Psychology	2021	Psychology	Counseling and applied psychology	Counseling and applied psychology nec	Psychology	Counseling and applied psychology
42.2811	Family Psychology	2021	Psychology	Counseling and applied psychology	Counseling and applied psychology nec	Psychology	Counseling and applied psychology
42.2808	Environmental Psychology	2021	Psychology	Counseling and applied psychology	Counseling and applied psychology nec	Psychology	Psychology, other
42.2809	Geropsychology	2021	Psychology	Counseling and applied psychology	Counseling and applied psychology nec	Psychology	Psychology, other
42.2812	Forensic Psychology	2021	Psychology	Counseling and applied psychology	Counseling and applied psychology nec	Psychology	Psychology, other
42.2813	Applied Psychology	2021	Psychology	Counseling and applied psychology	Counseling and applied psychology nec	Psychology	Psychology, other
42.2815	Performance and Sport Psychology	2021	Psychology	Counseling and applied psychology	Counseling and applied psychology nec	Psychology	Psychology, other
42.2816	Somatic Psychology	2021	Psychology	Counseling and applied psychology	Counseling and applied psychology nec	Psychology	Psychology, other
42.2817	Transpersonal/ Spiritual Psychology	2021	Psychology	Counseling and applied psychology	Counseling and applied psychology nec	Psychology	Psychology, other
42.2706	Behavioral Neuroscience	2021	Psychology	Research and experimental psychology	Behavioral neuroscience	Psychology	Research and experimental psychology
42.2701	Cognitive Psychology and Psycholinguistics	2021	Psychology	Research and experimental psychology	Cognitive psychology and psycholinguistics	Psychology	Research and experimental psychology
42.2703	Developmental and Child Psychology	2021	Psychology	Research and experimental psychology	Developmental and child psychology	Psychology	Research and experimental psychology
42.2704	Experimental Psychology	2021	Psychology	Research and experimental psychology	Experimental psychology	Psychology	Research and experimental psychology
42.2707	Social Psychology	2021	Psychology	Research and experimental psychology	Social psychology	Psychology	Research and experimental psychology
42.2705	Personality Psychology	2021	Psychology	Research and experimental psychology	Research and experimental psychology nec	Psychology	Research and experimental psychology
42.2708	Psychometrics and Quantitative Psychology	2021	Psychology	Research and experimental psychology	Research and experimental psychology nec	Psychology	Research and experimental psychology
42.2710	Developmental and Adolescent Psychology	2021	Psychology	Research and experimental psychology	Research and experimental psychology nec	Psychology	Research and experimental psychology

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
42.2799b	Physiological/ Psychobiology Psychology	2021	Psychology	Research and experimental psychology	Research and experimental psychology nec	Psychology	Research and experimental psychology
42.2702	Comparative Psychology	2021	Psychology	Research and experimental psychology	Research and experimental psychology nec	Psychology	Psychology, other
42.2709	Psychopharmacology	2021	Psychology	Research and experimental psychology	Research and experimental psychology nec	Psychology	Psychology, other
42.2799	Research and Experimental Psychology, Other	2021	Psychology	Research and experimental psychology	Research and experimental psychology nec	Psychology	Psychology, other
42.2799c	Human Factors Psychology	2022	Psychology	Research and experimental psychology	Research and experimental psychology nec	Psychology	Psychology, other
19.0701	Human Development and Family Studies, General	2021	Psychology	Psychology, other	Human development	Psychology	Psychology, other
19.0702	Adult Development and Aging	2021	Psychology	Psychology, other	Human development	Psychology	Psychology, other
19.0706	Child Development	2021	Psychology	Psychology, other	Human development	Psychology	Psychology, other
42.0101	Psychology, General	2021	Psychology	Psychology, other	Psychology, general	Psychology	Psychology, other
42.9999	Psychology, Other	2021	Psychology	Psychology, other	Psychology nec	Psychology	Psychology, other
45.0201	Anthropology, General	2021	Social sciences	Anthropology	Anthropology, general	Social sciences	Anthropology
45.0204	Cultural Anthropology	2021	Social sciences	Anthropology	Cultural anthropology	Social sciences	Anthropology
45.0202	Physical and Biological Anthropology	2021	Social sciences	Anthropology	Physical and biological anthropology	Social sciences	Anthropology
45.0203	Medical Anthropology	2021	Social sciences	Anthropology	Anthropology nec	Social sciences	Anthropology
45.0205	Forensic Anthropology	2021	Social sciences	Anthropology	Anthropology nec	Social sciences	Anthropology
45.0299	Anthropology, Other	2021	Social sciences	Anthropology	Anthropology nec	Social sciences	Anthropology
05.0102	American/ United States Studies/ Civilization	2021	Social sciences	Area, ethnic, cultural, gender, and group studies	American studies	Social sciences	Social sciences, other
05.0101	African Studies	2021	Social sciences	Area, ethnic, cultural, gender, and group studies	Area studies	Social sciences	Social sciences, other
05.0103	Asian Studies/ Civilization	2021	Social sciences	Area, ethnic, cultural, gender, and group studies	Area studies	Social sciences	Social sciences, other
05.0104	East Asian Studies	2021	Social sciences	Area, ethnic, cultural, gender, and group studies	Area studies	Social sciences	Social sciences, other
05.0105	Russian, Central European, East European and Eurasian Studies	2021	Social sciences	Area, ethnic, cultural, gender, and group studies	Area studies	Social sciences	Social sciences, other
05.0106	European Studies/ Civilization	2021	Social sciences	Area, ethnic, cultural, gender, and group studies	Area studies	Social sciences	Social sciences, other

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
05.0107	Latin American Studies	2021	Social sciences	Area, ethnic, cultural, gender, and group studies	Area studies	Social sciences	Social sciences, other
05.0109	Pacific Area/ Pacific Rim Studies	2021	Social sciences	Area, ethnic, cultural, gender, and group studies	Area studies	Social sciences	Social sciences, other
05.0110	Russian Studies	2021	Social sciences	Area, ethnic, cultural, gender, and group studies	Area studies	Social sciences	Social sciences, other
05.0111	Scandinavian Studies	2021	Social sciences	Area, ethnic, cultural, gender, and group studies	Area studies	Social sciences	Social sciences, other
05.0112	South Asian Studies	2021	Social sciences	Area, ethnic, cultural, gender, and group studies	Area studies	Social sciences	Social sciences, other
05.0113	Southeast Asian Studies	2021	Social sciences	Area, ethnic, cultural, gender, and group studies	Area studies	Social sciences	Social sciences, other
05.0114	Western European Studies	2021	Social sciences	Area, ethnic, cultural, gender, and group studies	Area studies	Social sciences	Social sciences, other
05.0115	Canadian Studies	2021	Social sciences	Area, ethnic, cultural, gender, and group studies	Area studies	Social sciences	Social sciences, other
05.0116	Balkans Studies	2021	Social sciences	Area, ethnic, cultural, gender, and group studies	Area studies	Social sciences	Social sciences, other
05.0117	Baltic Studies	2021	Social sciences	Area, ethnic, cultural, gender, and group studies	Area studies	Social sciences	Social sciences, other
05.0118	Slavic Studies	2021	Social sciences	Area, ethnic, cultural, gender, and group studies	Area studies	Social sciences	Social sciences, other
05.0119	Caribbean Studies	2021	Social sciences	Area, ethnic, cultural, gender, and group studies	Area studies	Social sciences	Social sciences, other
05.0120	Ural-Altaic and Central Asian Studies	2021	Social sciences	Area, ethnic, cultural, gender, and group studies	Area studies	Social sciences	Social sciences, other
05.0121	Commonwealth Studies	2021	Social sciences	Area, ethnic, cultural, gender, and group studies	Area studies	Social sciences	Social sciences, other
05.0122	Regional Studies (U.S., Canadian, Foreign)	2021	Social sciences	Area, ethnic, cultural, gender, and group studies	Area studies	Social sciences	Social sciences, other
05.0123	Chinese Studies	2021	Social sciences	Area, ethnic, cultural, gender, and group studies	Area studies	Social sciences	Social sciences, other
05.0124	French Studies	2021	Social sciences	Area, ethnic, cultural, gender, and group studies	Area studies	Social sciences	Social sciences, other
05.0125	German Studies	2021	Social sciences	Area, ethnic, cultural, gender, and group studies	Area studies	Social sciences	Social sciences, other

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
05.0126	Italian Studies	2021	Social sciences	Area, ethnic, cultural, gender, and group studies	Area studies	Social sciences	Social sciences, other
05.0127	Japanese Studies	2021	Social sciences	Area, ethnic, cultural, gender, and group studies	Area studies	Social sciences	Social sciences, other
05.0128	Korean Studies	2021	Social sciences	Area, ethnic, cultural, gender, and group studies	Area studies	Social sciences	Social sciences, other
05.0129	Polish Studies	2021	Social sciences	Area, ethnic, cultural, gender, and group studies	Area studies	Social sciences	Social sciences, other
05.0130	Spanish and Iberian Studies	2021	Social sciences	Area, ethnic, cultural, gender, and group studies	Area studies	Social sciences	Social sciences, other
05.0131	Tibetan Studies	2021	Social sciences	Area, ethnic, cultural, gender, and group studies	Area studies	Social sciences	Social sciences, other
05.0132	Ukraine Studies	2021	Social sciences	Area, ethnic, cultural, gender, and group studies	Area studies	Social sciences	Social sciences, other
05.0133	Irish Studies	2021	Social sciences	Area, ethnic, cultural, gender, and group studies	Area studies	Social sciences	Social sciences, other
05.0134	Latin American and Caribbean Studies	2021	Social sciences	Area, ethnic, cultural, gender, and group studies	Area studies	Social sciences	Social sciences, other
05.0135	Appalachian Studies	2021	Social sciences	Area, ethnic, cultural, gender, and group studies	Area studies	Social sciences	Social sciences, other
05.0136	Arctic Studies	2021	Social sciences	Area, ethnic, cultural, gender, and group studies	Area studies	Social sciences	Social sciences, other
05.0199	Area Studies, Other	2021	Social sciences	Area, ethnic, cultural, gender, and group studies	Area studies	Social sciences	Social sciences, other
05.0108	Near and Middle Eastern Studies	2021	Social sciences	Area, ethnic, cultural, gender, and group studies	Area studies	Humanities and arts	History
05.0200	Ethnic Studies	2021	Social sciences	Area, ethnic, cultural, gender, and group studies	Ethnic studies	Social sciences	Social sciences, other
05.0202	American Indian/ Native American Studies	2021	Social sciences	Area, ethnic, cultural, gender, and group studies	Ethnic studies	Social sciences	Social sciences, other
05.0203	Hispanic-American, Puerto Rican, Latinx, and Mexican-American/ Chicano Studies	2021	Social sciences	Area, ethnic, cultural, gender, and group studies	Ethnic studies	Social sciences	Social sciences, other
05.0206	Asian-American Studies	2021	Social sciences	Area, ethnic, cultural, gender, and group studies	Ethnic studies	Social sciences	Social sciences, other
05.0201	African-American/ Black Studies	2021	Social sciences	Area, ethnic, cultural, gender, and group studies	Ethnic studies	Humanities and arts	Humanities and arts, other

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
05.0207	Women's Studies	2021	Social sciences	Area, ethnic, cultural, gender, and group studies	Area, ethnic, cultural, gender, and group studies nec	Social sciences	Social sciences, other
05.0207b	Women's, Gender, and Sexuality Studies	2025	Social sciences	Area, ethnic, cultural, gender, and group studies	Area, ethnic, cultural, gender, and group studies nec	Social sciences	Social sciences, other
05.0208	Gay/ Lesbian Studies	2021	Social sciences	Area, ethnic, cultural, gender, and group studies	Area, ethnic, cultural, gender, and group studies nec	Social sciences	Social sciences, other
05.0209	Folklore Studies	2021	Social sciences	Area, ethnic, cultural, gender, and group studies	Area, ethnic, cultural, gender, and group studies nec	Social sciences	Social sciences, other
05.0210	Disability Studies	2021	Social sciences	Area, ethnic, cultural, gender, and group studies	Area, ethnic, cultural, gender, and group studies nec	Social sciences	Social sciences, other
05.0211	Deaf Studies	2021	Social sciences	Area, ethnic, cultural, gender, and group studies	Area, ethnic, cultural, gender, and group studies nec	Social sciences	Social sciences, other
05.0212	Comparative Group Studies	2021	Social sciences	Area, ethnic, cultural, gender, and group studies	Area, ethnic, cultural, gender, and group studies nec	Social sciences	Social sciences, other
05.0299	Ethnic, Cultural Minority, Gender, and Group Studies, Other	2021	Social sciences	Area, ethnic, cultural, gender, and group studies	Area, ethnic, cultural, gender, and group studies nec	Social sciences	Social sciences, other
05.9999	Area, Ethnic, Cultural, Gender, and Group Studies, Other	2021	Social sciences	Area, ethnic, cultural, gender, and group studies	Area, ethnic, cultural, gender, and group studies nec	Social sciences	Social sciences, other
05.9999b	African Diaspora, Africana Studies	2025	Social sciences	Area, ethnic, cultural, gender, and group studies	Area, ethnic, cultural, gender, and group studies nec	Social sciences	Social sciences, other
01.0103	Agricultural Economics	2021	Social sciences	Economics	Agricultural economics	Agricultural sciences and natural resources	Agricultural sciences
45.0602	Applied Economics	2021	Social sciences	Economics	Applied economics	Social sciences	Economics
45.0603	Econometrics and Quantitative Economics	2021	Social sciences	Economics	Econometrics and quantitative economics	Social sciences	Economics
45.0601	Economics, General	2021	Social sciences	Economics	Economics, general	Social sciences	Economics
03.0204	Environmental/ Natural Resource Economics (NATURAL RESOURCES/ CONSERVATION SCIENCES)	2021	Social sciences	Economics	Environmental/ natural resource economics	Agricultural sciences and natural resources	Natural resources and conservation
45.0602b	Environmental/ Natural Resource Economics (SOCIAL SCIENCES)	2021	Social sciences	Economics	Environmental/ natural resource economics	Social sciences	Economics
45.0604	Development Economics and International Development	2021	Social sciences	Economics	International and development economics	Social sciences	Economics
45.0605	International Economics	2021	Social sciences	Economics	International and development economics	Social sciences	Economics

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
45.0699b	Agricultural and Applied Economics	2025	Social sciences	Economics	Economics nec	Agricultural sciences and natural resources	Agricultural sciences
45.0699	Economics, Other	2021	Social sciences	Economics	Economics nec	Social sciences	Economics
45.1001	Political Science and Government, General	2021	Social sciences	Political science and government	Political science and government, general	Social sciences	Political science and government
45.1002	American Government and Politics (United States)	2021	Social sciences	Political science and government	Political science and government nec	Social sciences	Political science and government
45.1003	Canadian Government and Politics	2021	Social sciences	Political science and government	Political science and government nec	Social sciences	Political science and government
45.1004	Political Economy	2021	Social sciences	Political science and government	Political science and government nec	Social sciences	Political science and government
45.1099	Political Science and Government, Other	2021	Social sciences	Political science and government	Political science and government nec	Social sciences	Political science and government
44.0502	Education Policy Analysis	2021	Social sciences	Public policy analysis	Education policy analysis	Education	Education research
44.0501	Public Policy Analysis, General	2021	Social sciences	Public policy analysis	Public policy analysis, general	Social sciences	Public policy analysis
44.0503	Health Policy Analysis	2021	Social sciences	Public policy analysis	Public policy nec	Social sciences	Public policy analysis
44.0504	International Policy Analysis	2021	Social sciences	Public policy analysis	Public policy nec	Social sciences	Public policy analysis
44.0599	Public Policy Analysis, Other	2021	Social sciences	Public policy analysis	Public policy nec	Social sciences	Public policy analysis
44.0599b	Public Policy and Administration	2022	Social sciences	Public policy analysis	Public policy nec	Social sciences	Public policy analysis
45.1101	Sociology, General	2021	Social sciences	Sociology, demography, and population studies	Sociology, general	Social sciences	Sociology, demography, and population studies
45.0501	Demography and Population Studies	2021	Social sciences	Sociology, demography, and population studies	Sociology, demography, and population studies nec	Social sciences	Sociology, demography, and population studies
45.0502	Applied Demography	2021	Social sciences	Sociology, demography, and population studies	Sociology, demography, and population studies nec	Social sciences	Sociology, demography, and population studies
45.0599	Demography, Other	2021	Social sciences	Sociology, demography, and population studies	Sociology, demography, and population studies nec	Social sciences	Sociology, demography, and population studies
45.1102	Applied/ Public Sociology	2021	Social sciences	Sociology, demography, and population studies	Sociology, demography, and population studies nec	Social sciences	Sociology, demography, and population studies
45.1103	Rural Sociology	2021	Social sciences	Sociology, demography, and population studies	Sociology, demography, and population studies nec	Social sciences	Sociology, demography, and population studies

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
45.1199	Sociology, Other	2021	Social sciences	Sociology, demography, and population studies	Sociology, demography, and population studies nec	Social sciences	Sociology, demography, and population studies
16.0105	Applied Linguistics	2021	Social sciences	Social sciences, other	Applied linguistics	Social sciences	Social sciences, other
16.0199	Linguistic, Comparative, and Related Language Studies and Services, Other	2021	Social sciences	Social sciences, other	Applied linguistics	Social sciences	Social sciences, other
45.0301	Archaeology/ Archeology (SOCIAL SCIENCES)	2021	Social sciences	Social sciences, other	Archeology	Social sciences	Social sciences, other
45.0301b	Archaeology/ Archeology (HUMANITIES)	2021	Social sciences	Social sciences, other	Archeology	Humanities and arts	Humanities and arts, other
45.0401	Criminology	2021	Social sciences	Social sciences, other	Criminology	Social sciences	Social sciences, other
45.0701	Geography	2021	Social sciences	Social sciences, other	Geography and cartography	Social sciences	Social sciences, other
45.0702	Geographic Information Science and Cartography	2021	Social sciences	Social sciences, other	Geography and cartography	Social sciences	Social sciences, other
45.0799	Geography, Other	2021	Social sciences	Social sciences, other	Geography and cartography	Social sciences	Social sciences, other
45.0901	International Relations and Affairs	2021	Social sciences	Social sciences, other	International relations and national security studies	Social sciences	Social sciences, other
45.0902	National Security Policy Studies	2021	Social sciences	Social sciences, other	International relations and national security studies	Social sciences	Social sciences, other
45.0999	International Relations and National Security Studies, Other	2021	Social sciences	Social sciences, other	International relations and national security studies	Social sciences	Social sciences, other
16.0102	Linguistics	2021	Social sciences	Social sciences, other	Linguistics	Social sciences	Social sciences, other
30.1101b	Gerontology (HEALTH SCIENCES)	2021	Social sciences	Social sciences, other	Social sciences nec	Health sciences	Health sciences, other
45.1301	Sociology and Anthropology	2021	Social sciences	Social sciences, other	Social sciences nec	Social sciences	Anthropology
30.1101	Gerontology (MULTIDISCIPLINARY STUDIES)	2021	Social sciences	Social sciences, other	Social sciences nec	Social sciences	Social sciences, other
30.1101c	Gerontology (SOCIAL SCIENCES)	2021	Social sciences	Social sciences, other	Social sciences nec	Social sciences	Social sciences, other
30.4701	Linguistics and Anthropology	2021	Social sciences	Social sciences, other	Social sciences nec	Social sciences	Social sciences, other
43.0104	Criminal Justice/ Safety Studies	2021	Social sciences	Social sciences, other	Social sciences nec	Social sciences	Social sciences, other
45.0101	Social Sciences, General	2021	Social sciences	Social sciences, other	Social sciences nec	Social sciences	Social sciences, other
45.0102	Research Methodology and Quantitative Methods	2021	Social sciences	Social sciences, other	Social sciences nec	Social sciences	Social sciences, other
45.0103	Survey Research/ Methodology	2021	Social sciences	Social sciences, other	Social sciences nec	Social sciences	Social sciences, other
45.0199	Social Sciences, Other	2021	Social sciences	Social sciences, other	Social sciences nec	Social sciences	Social sciences, other

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
45.1201	Urban Studies/ Affairs	2021	Social sciences	Social sciences, other	Social sciences nec	Social sciences	Social sciences, other
45.1501	Geography and Anthropology	2021	Social sciences	Social sciences, other	Social sciences nec	Social sciences	Social sciences, other
45.9999	Social Sciences, Other	2021	Social sciences	Social sciences, other	Social sciences nec	Social sciences	Social sciences, other
52.0201	Business Administration and Management, General	2021	Business	Business administration and management	Business management and administration	Business	Business
52.0201b	Business Management/ Administration	2021	Business	Business administration and management	Business management and administration	Business	Business
52.0213	Organizational Leadership	2021	Business	Business administration and management	Organizational leadership	Business	Business
49.0104	Aviation/ Airway Management and Operations	2021	Business	Business administration and management	Business administration and management nec	Business	Business
52.0202	Purchasing, Procurement/ Acquisitions and Contracts Management	2021	Business	Business administration and management	Business administration and management nec	Business	Business
52.0203	Logistics, Materials, and Supply Chain Management	2021	Business	Business administration and management	Business administration and management nec	Business	Business
52.0204	Office Management and Supervision	2021	Business	Business administration and management	Business administration and management nec	Business	Business
52.0205	Operations Management and Supervision	2021	Business	Business administration and management	Business administration and management nec	Business	Business
52.0206	Non-Profit/ Public/ Organizational Management	2021	Business	Business administration and management	Business administration and management nec	Business	Business
52.0207	Customer Service Management	2021	Business	Business administration and management	Business administration and management nec	Business	Business
52.0208	E-Commerce/ Electronic Commerce	2021	Business	Business administration and management	Business administration and management nec	Business	Business
52.0209	Transportation/ Mobility Management	2021	Business	Business administration and management	Business administration and management nec	Business	Business
52.0210	Research and Development Management	2021	Business	Business administration and management	Business administration and management nec	Business	Business
52.0211	Project Management	2021	Business	Business administration and management	Business administration and management nec	Business	Business
52.0212	Retail Management	2021	Business	Business administration and management	Business administration and management nec	Business	Business
52.0214	Research Administration	2021	Business	Business administration and management	Business administration and management nec	Business	Business

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
52.0215	Risk Management	2021	Business	Business administration and management	Business administration and management nec	Business	Business
52.0216	Science/ Technology Management	2021	Business	Business administration and management	Business administration and management nec	Business	Business
52.0299	Business Administration, Management and Operations, Other	2021	Business	Business administration and management	Business administration and management nec	Business	Business
52.0301	Accounting	2021	Business	Business, other	Accounting and accounting-related	Business	Business
52.0302	Accounting Technology and Bookkeeping	2021	Business	Business, other	Accounting and accounting-related	Business	Business
52.0303	Auditing	2021	Business	Business, other	Accounting and accounting-related	Business	Business
52.0304	Accounting and Finance	2021	Business	Business, other	Accounting and accounting-related	Business	Business
52.0305	Accounting and Business/ Management	2021	Business	Business, other	Accounting and accounting-related	Business	Business
52.0399	Accounting and Related Services, Other	2021	Business	Business, other	Accounting and accounting-related	Business	Business
52.0801	Finance, General	2021	Business	Business, other	Finance and financial management	Business	Business
52.0803	Banking and Financial Support Services	2021	Business	Business, other	Finance and financial management	Business	Business
52.0804	Financial Planning and Services	2021	Business	Business, other	Finance and financial management	Business	Business
52.0806	International Finance	2021	Business	Business, other	Finance and financial management	Business	Business
52.0807	Investments and Securities	2021	Business	Business, other	Finance and financial management	Business	Business
52.0808	Public Finance	2021	Business	Business, other	Finance and financial management	Business	Business
52.0809	Credit Management	2021	Business	Business, other	Finance and financial management	Business	Business
52.0810	Financial Risk Management	2021	Business	Business, other	Finance and financial management	Business	Business
52.0899	Finance and Financial Management Services, Other	2021	Business	Business, other	Finance and financial management	Business	Business
52.1201	Management Information Systems, General	2021	Business	Business, other	Management information systems	Business	Business
52.1206	Information Resources Management	2021	Business	Business, other	Management information systems	Business	Business
52.1207	Knowledge Management	2021	Business	Business, other	Management information systems	Business	Business
52.1299	Management Information Systems and Services, Other	2021	Business	Business, other	Management information systems	Business	Business
52.0601	Business/ Managerial Economics	2021	Business	Business, other	Management sciences	Business	Business
52.1301	Management Science	2021	Business	Business, other	Management sciences	Business	Business
52.1302	Business Statistics	2021	Business	Business, other	Management sciences	Business	Business

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
52.1399	Management Sciences and Quantitative Methods, Other	2021	Business	Business, other	Management sciences	Business	Business
52.1401	Marketing/ Marketing Management, General	2021	Business	Business, other	Marketing	Business	Business
52.1402	Marketing Research	2021	Business	Business, other	Marketing	Business	Business
52.1403	International Marketing	2021	Business	Business, other	Marketing	Business	Business
52.1404	Digital Marketing	2021	Business	Business, other	Marketing	Business	Business
52.1499	Marketing, Other	2021	Business	Business, other	Marketing	Business	Business
52.1003	Organizational Behavior Studies	2021	Business	Business, other	Organizational behavior studies	Business	Business
52.0101	Business/ Commerce, General	2021	Business	Business, other	Business nec	Business	Business
52.0401	Administrative Assistant and Secretarial Science, General	2021	Business	Business, other	Business nec	Business	Business
52.0402	Executive Assistant/ Executive Secretary	2021	Business	Business, other	Business nec	Business	Business
52.0406	Receptionist	2021	Business	Business, other	Business nec	Business	Business
52.0407	Business/ Office Automation/ Technology/ Data Entry	2021	Business	Business, other	Business nec	Business	Business
52.0408	General Office Occupations and Clerical Services	2021	Business	Business, other	Business nec	Business	Business
52.0409	Parts, Warehousing, and Inventory Management Operations	2021	Business	Business, other	Business nec	Business	Business
52.0410	Traffic, Customs, and Transportation Clerk/ Technician	2021	Business	Business, other	Business nec	Business	Business
52.0411	Customer Service Support/ Call Center/ Teleservice Operation	2021	Business	Business, other	Business nec	Business	Business
52.0499	Business Operations Support and Secretarial Services, Other	2021	Business	Business, other	Business nec	Business	Business
52.0502	Grantsmanship	2021	Business	Business, other	Business nec	Business	Business
52.0701	Entrepreneurship/ Entrepreneurial Studies	2021	Business	Business, other	Business nec	Business	Business
52.0702	Franchising and Franchise Operations	2021	Business	Business, other	Business nec	Business	Business
52.0703	Small Business Administration/ Management	2021	Business	Business, other	Business nec	Business	Business
52.0704	Social Entrepreneurship	2021	Business	Business, other	Business nec	Business	Business
52.0799	Entrepreneurial and Small Business Operations, Other	2021	Business	Business, other	Business nec	Business	Business
52.0901	Hospitality Administration/ Management, General	2021	Business	Business, other	Business nec	Business	Business
52.0903	Tourism and Travel Services Management	2021	Business	Business, other	Business nec	Business	Business

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
52.0904	Hotel/ Motel Administration/ Management	2021	Business	Business, other	Business nec	Business	Business
52.0905	Restaurant/ Food Services Management	2021	Business	Business, other	Business nec	Business	Business
52.0906	Resort Management	2021	Business	Business, other	Business nec	Business	Business
52.0907	Meeting and Event Planning	2021	Business	Business, other	Business nec	Business	Business
52.0908	Casino Management	2021	Business	Business, other	Business nec	Business	Business
52.0909	Hotel, Motel, and Restaurant Management	2021	Business	Business, other	Business nec	Business	Business
52.0910	Brewery/ Brewpub Operations/ Management	2021	Business	Business, other	Business nec	Business	Business
52.0999	Hospitality Administration/ Management, Other	2021	Business	Business, other	Business nec	Business	Business
52.1001	Human Resources Management/ Personnel Administration, General	2021	Business	Business, other	Business nec	Business	Business
52.1002	Labor and Industrial Relations	2021	Business	Business, other	Business nec	Business	Business
52.1004	Labor Studies	2021	Business	Business, other	Business nec	Business	Business
52.1005	Human Resources Development	2021	Business	Business, other	Business nec	Business	Business
52.1006	Executive/ Career Coaching	2021	Business	Business, other	Business nec	Business	Business
52.1099	Human Resources Management and Services, Other	2021	Business	Business, other	Business nec	Business	Business
52.1101	International Business/ Trade/ Commerce	2021	Business	Business, other	Business nec	Business	Business
52.1501	Real Estate	2021	Business	Business, other	Business nec	Business	Business
52.1601	Taxation	2021	Business	Business, other	Business nec	Business	Business
52.1701	Insurance	2021	Business	Business, other	Business nec	Business	Business
52.1801	Sales, Distribution, and Marketing Operations, General	2021	Business	Business, other	Business nec	Business	Business
52.1802	Merchandising and Buying Operations	2021	Business	Business, other	Business nec	Business	Business
52.1803	Retailing and Retail Operations	2021	Business	Business, other	Business nec	Business	Business
52.1804	Selling Skills and Sales Operations	2021	Business	Business, other	Business nec	Business	Business
52.1899	General Merchandising, Sales, and Related Marketing Operations, Other	2021	Business	Business, other	Business nec	Business	Business
52.1901	Auctioneering	2021	Business	Business, other	Business nec	Business	Business
52.1905	Tourism and Travel Services Marketing Operations	2021	Business	Business, other	Business nec	Business	Business
52.1906	Tourism Promotion Operations	2021	Business	Business, other	Business nec	Business	Business

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
52.1907	Vehicle and Vehicle Parts and Accessories Marketing Operations	2021	Business	Business, other	Business nec	Business	Business
52.1908	Business and Personal/ Financial Services Marketing Operations	2021	Business	Business, other	Business nec	Business	Business
52.1909	Special Products Marketing Operations	2021	Business	Business, other	Business nec	Business	Business
52.1910	Hospitality and Recreation Marketing Operations	2021	Business	Business, other	Business nec	Business	Business
52.1999	Specialized Merchandising, Sales, and Marketing Operations, Other	2021	Business	Business, other	Business nec	Business	Business
52.2001	Construction Management, General	2021	Business	Business, other	Business nec	Business	Business
52.2002	Construction Project Management	2021	Business	Business, other	Business nec	Business	Business
52.2099	Construction Management, Other	2021	Business	Business, other	Business nec	Business	Business
52.2101	Telecommunications Management	2021	Business	Business, other	Business nec	Business	Business
52.9999	Business, Management, Marketing, and Related Support Services, Other	2021	Business	Business, other	Business nec	Business	Business
52.0501	Business/ Corporate Communications, General	2021	Business	Business, other	Business nec	Other non-science and engineering	Communication
52.0599	Business/ Corporate Communications, Other	2021	Business	Business, other	Business nec	Other non-science and engineering	Communication
52.1902	Fashion Merchandising	2021	Business	Business, other	Business nec	Other non-science and engineering	Non-science and engineering, other
52.1903	Fashion Modeling	2021	Business	Business, other	Business nec	Other non-science and engineering	Non-science and engineering, other
52.1904	Apparel and Accessories Marketing Operations	2021	Business	Business, other	Business nec	Other non-science and engineering	Non-science and engineering, other
13.0401	Educational Leadership and Administration, General	2021	Education	Education leadership and administration	Educational leadership and administration, general	Education	Education leadership and administration
13.0407	Community College Administration	2021	Education	Education leadership and administration	Higher education and community college administration	Education	Education leadership and administration
13.0406	Higher Education/ Higher Education Administration	2021	Education	Education leadership and administration	Higher education and community college administration	Education	Education research
13.0499e	Education Leadership and Policy	2025	Education	Education leadership and administration	Education leadership and policy	Education	Education leadership and administration
13.0402	Administration of Special Education	2021	Education	Education leadership and administration	Education leadership and administration nec	Education	Education leadership and administration

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
13.0403	Adult and Continuing Education Administration	2021	Education	Education leadership and administration	Education leadership and administration nec	Education	Education leadership and administration
13.0404	Educational, Instructional, and Curriculum Supervision	2021	Education	Education leadership and administration	Education leadership and administration nec	Education	Education leadership and administration
13.0408	Elementary and Middle School Administration/Principalship	2021	Education	Education leadership and administration	Education leadership and administration nec	Education	Education leadership and administration
13.0409	Secondary School Administration/Principalship	2021	Education	Education leadership and administration	Education leadership and administration nec	Education	Education leadership and administration
13.0410	Urban Education and Leadership	2021	Education	Education leadership and administration	Education leadership and administration nec	Education	Education leadership and administration
13.0411	Superintendency and Educational System Administration	2021	Education	Education leadership and administration	Education leadership and administration nec	Education	Education leadership and administration
13.0412	International School Administration/Leadership	2021	Education	Education leadership and administration	Education leadership and administration nec	Education	Education leadership and administration
13.0413	Education Entrepreneurship	2021	Education	Education leadership and administration	Education leadership and administration nec	Education	Education leadership and administration
13.0414	Early Childhood Program Administration	2021	Education	Education leadership and administration	Education leadership and administration nec	Education	Education leadership and administration
13.0499	Educational Administration and Supervision, Other	2021	Education	Education leadership and administration	Education leadership and administration nec	Education	Education leadership and administration
13.0499b	Education and Human Resource Studies/Development	2021	Education	Education leadership and administration	Education leadership and administration nec	Education	Education leadership and administration
13.0499c	Organizational Leadership and Policy Development (Education)	2022	Education	Education leadership and administration	Education leadership and administration nec	Education	Education leadership and administration
13.0301	Curriculum and Instruction	2021	Education	Education research	Curriculum and instruction	Education	Education research
13.0601	Educational Evaluation and Research	2021	Education	Education research	Educational assessment, evaluation, and research methods	Education	Education research
13.0603	Educational Statistics and Research Methods	2021	Education	Education research	Educational assessment, evaluation, and research methods	Education	Education research
13.0604	Educational Assessment, Testing, and Measurement	2021	Education	Education research	Educational assessment, evaluation, and research methods	Education	Education research
13.0607	Learning Sciences	2021	Education	Education research	Educational assessment, evaluation, and research methods	Education	Education research

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
13.0699	Educational Assessment, Evaluation, and Research, Other	2021	Education	Education research	Educational assessment, evaluation, and research methods	Education	Education research
13.0501	Educational/ Instructional Technology	2021	Education	Education research	Educational/ instructional technology and media design	Education	Education research
13.0501b	Educational/ Instructional Media Design	2021	Education	Education research	Educational/ instructional technology and media design	Education	Education research
13.0501c	Learning/ Instructional Design and Technology	2022	Education	Education research	Educational/ instructional technology and media design	Education	Education research
13.0608	Institutional Research	2021	Education	Education research	Higher education evaluation and research	Education	Education research
13.0699b	Higher Education Evaluation and Research	2021	Education	Education research	Higher education evaluation and research	Education	Education research
13.1101	Counselor Education/ School Counseling and Guidance Services	2021	Education	Education research	Student counseling and personnel services	Education	Education research
13.1102	College Student Counseling and Personnel Services	2021	Education	Education research	Student counseling and personnel services	Education	Education research
13.1199	Student Counseling and Personnel Services, Other	2021	Education	Education research	Student counseling and personnel services	Education	Education research
13.0701	International and Comparative Education	2021	Education	Education research	Education research nec	Education	Education research
13.0901	Social and Philosophical Foundations of Education	2021	Education	Education research	Education research nec	Education	Education research
13.1201	Adult and Continuing Education and Teaching	2021	Education	Teacher education and teaching fields	Adult, continuing, and workforce education and development	Education	Teacher education and teaching fields
13.1201b	Workforce Education and Development	2021	Education	Teacher education and teaching fields	Adult, continuing, and workforce education and development	Education	Education, other
13.0201	Bilingual and Multilingual Education	2021	Education	Teacher education and teaching fields	Bilingual, multilingual, and multicultural education	Education	Teacher education and teaching fields
13.0202	Multicultural Education	2021	Education	Teacher education and teaching fields	Bilingual, multilingual, and multicultural education	Education	Teacher education and teaching fields
13.0203	Indian/ Native American Education	2021	Education	Teacher education and teaching fields	Bilingual, multilingual, and multicultural education	Education	Teacher education and teaching fields
13.0299	Bilingual, Multilingual, and Multicultural Education, Other	2021	Education	Teacher education and teaching fields	Bilingual, multilingual, and multicultural education	Education	Teacher education and teaching fields
13.1209	Kindergarten/ Preschool Education and Teaching	2021	Education	Teacher education and teaching fields	Early childhood education and teaching	Education	Teacher education and teaching fields

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
13.1210	Early Childhood Education and Teaching	2021	Education	Teacher education and teaching fields	Early childhood education and teaching	Education	Teacher education and teaching fields
13.1315b	Language and Literacy Education	2022	Education	Teacher education and teaching fields	Language and literacy education	Education	Teacher education and teaching fields
13.1311	Mathematics Teacher Education	2021	Education	Teacher education and teaching fields	Mathematics teacher education	Education	Teacher education and teaching fields
13.1312	Music Teacher Education	2021	Education	Teacher education and teaching fields	Music teacher education	Education	Teacher education and teaching fields
13.1001	Special Education and Teaching, General	2021	Education	Teacher education and teaching fields	Special education and teaching	Education	Education research
13.1003	Education/ Teaching of Individuals with Hearing Impairments Including Deafness	2021	Education	Teacher education and teaching fields	Special education and teaching	Education	Education research
13.1004	Education/ Teaching of the Gifted and Talented	2021	Education	Teacher education and teaching fields	Special education and teaching	Education	Education research
13.1005	Education/ Teaching of Individuals with Emotional Disturbances	2021	Education	Teacher education and teaching fields	Special education and teaching	Education	Education research
13.1006	Education/ Teaching of Individuals with Intellectual Disabilities	2021	Education	Teacher education and teaching fields	Special education and teaching	Education	Education research
13.1007	Education/ Teaching of Individuals with Multiple Disabilities	2021	Education	Teacher education and teaching fields	Special education and teaching	Education	Education research
13.1008	Education/ Teaching of Individuals with Orthopedic and Other Physical Health Impairments	2021	Education	Teacher education and teaching fields	Special education and teaching	Education	Education research
13.1009	Education/ Teaching of Individuals with Vision Impairments Including Blindness	2021	Education	Teacher education and teaching fields	Special education and teaching	Education	Education research
13.1011	Education/ Teaching of Individuals with Specific Learning Disabilities	2021	Education	Teacher education and teaching fields	Special education and teaching	Education	Education research
13.1012	Education/ Teaching of Individuals with Speech or Language Impairments	2021	Education	Teacher education and teaching fields	Special education and teaching	Education	Education research
13.1013	Education/ Teaching of Individuals with Autism	2021	Education	Teacher education and teaching fields	Special education and teaching	Education	Education research
13.1014	Education/ Teaching of Individuals Who are Developmentally Delayed	2021	Education	Teacher education and teaching fields	Special education and teaching	Education	Education research
13.1015	Education/ Teaching of Individuals in Early Childhood Special Education Programs	2021	Education	Teacher education and teaching fields	Special education and teaching	Education	Education research

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
13.1016	Education/ Teaching of Individuals with Traumatic Brain Injuries	2021	Education	Teacher education and teaching fields	Special education and teaching	Education	Education research
13.1017	Education/ Teaching of Individuals in Elementary Special Education Programs	2021	Education	Teacher education and teaching fields	Special education and teaching	Education	Education research
13.1018	Education/ Teaching of Individuals in Junior High/ Middle School Special Education Programs	2021	Education	Teacher education and teaching fields	Special education and teaching	Education	Education research
13.1019	Education/ Teaching of Individuals in Secondary Special Education Programs	2021	Education	Teacher education and teaching fields	Special education and teaching	Education	Education research
13.1099	Special Education and Teaching, Other	2021	Education	Teacher education and teaching fields	Special education and teaching	Education	Education research
13.1213	Science, Technology, Engineering, and Mathematics (STEM) Educational Methods	2021	Education	Teacher education and teaching fields	STEM educational methods	Education	Teacher education and teaching fields
13.1301	Agricultural Teacher Education	2021	Education	Teacher education and teaching fields	Teacher education, science and engineering	Education	Teacher education and teaching fields
13.1316	Science Teacher Education/ General Science Teacher Education	2021	Education	Teacher education and teaching fields	Teacher education, science and engineering	Education	Teacher education and teaching fields
13.1317	Social Science Teacher Education	2021	Education	Teacher education and teaching fields	Teacher education, science and engineering	Education	Teacher education and teaching fields
13.1321	Computer Teacher Education	2021	Education	Teacher education and teaching fields	Teacher education, science and engineering	Education	Teacher education and teaching fields
13.1322	Biology Teacher Education	2021	Education	Teacher education and teaching fields	Teacher education, science and engineering	Education	Teacher education and teaching fields
13.1323	Chemistry Teacher Education	2021	Education	Teacher education and teaching fields	Teacher education, science and engineering	Education	Teacher education and teaching fields
13.1329	Physics Teacher Education	2021	Education	Teacher education and teaching fields	Teacher education, science and engineering	Education	Teacher education and teaching fields
13.1332	Geography Teacher Education	2021	Education	Teacher education and teaching fields	Teacher education, science and engineering	Education	Teacher education and teaching fields
13.1335	Psychology Teacher Education	2021	Education	Teacher education and teaching fields	Teacher education, science and engineering	Education	Teacher education and teaching fields
13.1337	Earth Science Teacher Education	2021	Education	Teacher education and teaching fields	Teacher education, science and engineering	Education	Teacher education and teaching fields
13.1338	Environmental Education	2021	Education	Teacher education and teaching fields	Teacher education, science and engineering	Education	Teacher education and teaching fields

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
13.1212	International Teaching and Learning	2021	Education	Teacher education and teaching fields	Teacher education, specific levels and methods	Education	Education research
13.1202	Elementary Education and Teaching	2021	Education	Teacher education and teaching fields	Teacher education, specific levels and methods	Education	Teacher education and teaching fields
13.1203	Junior High/ Intermediate/ Middle School Education and Teaching	2021	Education	Teacher education and teaching fields	Teacher education, specific levels and methods	Education	Teacher education and teaching fields
13.1205	Secondary Education and Teaching	2021	Education	Teacher education and teaching fields	Teacher education, specific levels and methods	Education	Teacher education and teaching fields
13.1206	Teacher Education, Multiple Levels	2021	Education	Teacher education and teaching fields	Teacher education, specific levels and methods	Education	Teacher education and teaching fields
13.1207	Montessori Teacher Education	2021	Education	Teacher education and teaching fields	Teacher education, specific levels and methods	Education	Teacher education and teaching fields
13.1208	Waldorf/ Steiner Teacher Education	2021	Education	Teacher education and teaching fields	Teacher education, specific levels and methods	Education	Teacher education and teaching fields
13.1209	Kindergarten/ Preschool Education and Teaching	2021	Education	Teacher education and teaching fields	Teacher education, specific levels and methods	Education	Teacher education and teaching fields
13.1210	Early Childhood Education and Teaching	2021	Education	Teacher education and teaching fields	Teacher education, specific levels and methods	Education	Teacher education and teaching fields
13.1211	Online Educator/ Online Teaching	2021	Education	Teacher education and teaching fields	Teacher education, specific levels and methods	Education	Teacher education and teaching fields
13.1214	College/ Postsecondary/ University Teaching	2021	Education	Teacher education and teaching fields	Teacher education, specific levels and methods	Education	Teacher education and teaching fields
13.1214b	Developmental Education	2022	Education	Teacher education and teaching fields	Teacher education, specific levels and methods	Education	Teacher education and teaching fields
13.1299	Teacher Education and Professional Development, Specific Levels and Methods, Other	2021	Education	Teacher education and teaching fields	Teacher education, specific levels and methods	Education	Teacher education and teaching fields
13.1299b	Teaching and Learning	2022	Education	Teacher education and teaching fields	Teacher education, specific levels and methods	Education	Teacher education and teaching fields
13.1302	Art Teacher Education	2021	Education	Teacher education and teaching fields	Teacher education, specific subject areas	Education	Teacher education and teaching fields
13.1303	Business and Innovation/ Entrepreneurship Teacher Education	2021	Education	Teacher education and teaching fields	Teacher education, specific subject areas	Education	Teacher education and teaching fields
13.1304	Driver and Safety Teacher Education	2021	Education	Teacher education and teaching fields	Teacher education, specific subject areas	Education	Teacher education and teaching fields
13.1305	English/ Language Arts Teacher Education	2021	Education	Teacher education and teaching fields	Teacher education, specific subject areas	Education	Teacher education and teaching fields

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
13.1306	Foreign Language Teacher Education	2021	Education	Teacher education and teaching fields	Teacher education, specific subject areas	Education	Teacher education and teaching fields
13.1307	Health Teacher Education	2021	Education	Teacher education and teaching fields	Teacher education, specific subject areas	Education	Teacher education and teaching fields
13.1308	Family and Consumer Sciences/ Home Economics Teacher Education	2021	Education	Teacher education and teaching fields	Teacher education, specific subject areas	Education	Teacher education and teaching fields
13.1309	Technology Teacher Education/ Industrial Arts Teacher Education	2021	Education	Teacher education and teaching fields	Teacher education, specific subject areas	Education	Teacher education and teaching fields
13.1310	Sales and Marketing Operations/ Marketing and Distribution Teacher Education	2021	Education	Teacher education and teaching fields	Teacher education, specific subject areas	Education	Teacher education and teaching fields
13.1314	Physical Education Teaching and Coaching	2021	Education	Teacher education and teaching fields	Teacher education, specific subject areas	Education	Teacher education and teaching fields
13.1315	Reading Teacher Education	2021	Education	Teacher education and teaching fields	Teacher education, specific subject areas	Education	Teacher education and teaching fields
13.1318	Social Studies Teacher Education	2021	Education	Teacher education and teaching fields	Teacher education, specific subject areas	Education	Teacher education and teaching fields
13.1324	Drama and Dance Teacher Education	2021	Education	Teacher education and teaching fields	Teacher education, specific subject areas	Education	Teacher education and teaching fields
13.1325	French Language Teacher Education	2021	Education	Teacher education and teaching fields	Teacher education, specific subject areas	Education	Teacher education and teaching fields
13.1326	German Language Teacher Education	2021	Education	Teacher education and teaching fields	Teacher education, specific subject areas	Education	Teacher education and teaching fields
13.1327	Health Occupations Teacher Education	2021	Education	Teacher education and teaching fields	Teacher education, specific subject areas	Education	Teacher education and teaching fields
13.1328	History Teacher Education	2021	Education	Teacher education and teaching fields	Teacher education, specific subject areas	Education	Teacher education and teaching fields
13.1330	Spanish Language Teacher Education	2021	Education	Teacher education and teaching fields	Teacher education, specific subject areas	Education	Teacher education and teaching fields
13.1331	Speech Teacher Education	2021	Education	Teacher education and teaching fields	Teacher education, specific subject areas	Education	Teacher education and teaching fields
13.1333	Latin Teacher Education	2021	Education	Teacher education and teaching fields	Teacher education, specific subject areas	Education	Teacher education and teaching fields
13.1334	School Librarian/ School Library Media Specialist	2021	Education	Teacher education and teaching fields	Teacher education, specific subject areas	Education	Teacher education and teaching fields
13.1339	Communication Arts and Literature Teacher Education	2021	Education	Teacher education and teaching fields	Teacher education, specific subject areas	Education	Teacher education and teaching fields

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
13.1399	Teacher Education and Professional Development, Specific Subject Areas, Other	2021	Education	Teacher education and teaching fields	Teacher education, specific subject areas	Education	Teacher education and teaching fields
13.1401	Teaching English as a Second or Foreign Language/ ESL Language Instructor	2021	Education	Teacher education and teaching fields	Teacher education, specific subject areas	Education	Teacher education and teaching fields
13.1402	Teaching French as a Second or Foreign Language	2021	Education	Teacher education and teaching fields	Teacher education, specific subject areas	Education	Teacher education and teaching fields
13.1499	Teaching English or French as a Second or Foreign Language, Other	2021	Education	Teacher education and teaching fields	Teacher education, specific subject areas	Education	Teacher education and teaching fields
13.1319	Technical Teacher Education	2021	Education	Teacher education and teaching fields	Teacher education, specific subject areas	Education	Education, other
13.1320	Trade and Industrial Teacher Education	2021	Education	Teacher education and teaching fields	Teacher education, specific subject areas	Education	Education, other
13.0101	Education, General	2021	Education	Education, other	Education, general	Education	Education, other
13.0101b	Educational Studies	2022	Education	Education, other	Education, general	Education	Education, other
13.1502	Adult Literacy Tutor/ Instructor	2021	Education	Education, other	Education nec	Education	Teacher education and teaching fields
13.1501	Teacher Assistant/ Aide	2021	Education	Education, other	Education nec	Education	Education, other
13.1599	Teaching Assistants/ Aides, Other	2021	Education	Education, other	Education nec	Education	Education, other
13.9999	Education, Other	2021	Education	Education, other	Education nec	Education	Education, other
23.1402	American Literature (United States)	2021	Humanities	English language and literature, letters	American literature (United States)	Humanities and arts	Letters
23.1402b	African-American/ Black Literature	2021	Humanities	English language and literature, letters	American literature (United States)	Humanities and arts	Humanities and arts, other
23.1302	Creative Writing	2021	Humanities	English language and literature, letters	Creative writing	Humanities and arts	Letters
23.0101	English Language and Literature, General	2021	Humanities	English language and literature, letters	English language and literature, general	Humanities and arts	Letters
23.1404	English Literature (British and Commonwealth)	2021	Humanities	English language and literature, letters	English literature (British and Commonwealth)	Humanities and arts	Letters
23.1301	Writing, General	2021	Humanities	English language and literature, letters	Rhetoric, composition, and writing studies	Humanities and arts	Letters
23.1303	Professional, Technical, Business, and Scientific Writing	2021	Humanities	English language and literature, letters	Rhetoric, composition, and writing studies	Humanities and arts	Letters
23.1304	Rhetoric and Composition	2021	Humanities	English language and literature, letters	Rhetoric, composition, and writing studies	Humanities and arts	Letters
23.1399	Rhetoric and Composition/ Writing Studies, Other	2021	Humanities	English language and literature, letters	Rhetoric, composition, and writing studies	Humanities and arts	Letters

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
23.1399b	Rhetoric and Writing	2025	Humanities	English language and literature, letters	Rhetoric, composition, and writing studies	Humanities and arts	Letters
23.1401	General Literature	2021	Humanities	English language and literature, letters	English language and literature nec	Humanities and arts	Letters
23.1403	American Literature (Canadian)	2021	Humanities	English language and literature, letters	English language and literature nec	Humanities and arts	Letters
23.1405	Children's and Adolescent Literature	2021	Humanities	English language and literature, letters	English language and literature nec	Humanities and arts	Letters
23.1499	Literature, Other	2021	Humanities	English language and literature, letters	English language and literature nec	Humanities and arts	Letters
23.9999	English Language and Literature/ Letters, Other	2021	Humanities	English language and literature, letters	English language and literature nec	Humanities and arts	Letters
16.0104	Comparative Literature	2021	Humanities	Foreign languages, literatures, and linguistics	Comparative literature	Humanities and arts	Letters
16.0908	Hispanic and Latin American Languages, Literatures, and Linguistics, General	2021	Humanities	Foreign languages, literatures, and linguistics	Hispanic/ Latin American languages, literatures, and linguistics	Humanities and arts	Foreign languages and literature
16.0900	Romance Languages, Literatures, and Linguistics, General	2021	Humanities	Foreign languages, literatures, and linguistics	Romance languages, literatures, and linguistics	Humanities and arts	Foreign languages and literature
16.0901	French Language and Literature	2021	Humanities	Foreign languages, literatures, and linguistics	Romance languages, literatures, and linguistics	Humanities and arts	Foreign languages and literature
16.0902	Italian Language and Literature	2021	Humanities	Foreign languages, literatures, and linguistics	Romance languages, literatures, and linguistics	Humanities and arts	Foreign languages and literature
16.0904	Portuguese Language and Literature	2021	Humanities	Foreign languages, literatures, and linguistics	Romance languages, literatures, and linguistics	Humanities and arts	Foreign languages and literature
16.0906	Romanian Language and Literature	2021	Humanities	Foreign languages, literatures, and linguistics	Romance languages, literatures, and linguistics	Humanities and arts	Foreign languages and literature
16.0999	Romance Languages, Literatures, and Linguistics, Other	2021	Humanities	Foreign languages, literatures, and linguistics	Romance languages, literatures, and linguistics	Humanities and arts	Foreign languages and literature
16.0905	Spanish Language and Literature	2021	Humanities	Foreign languages, literatures, and linguistics	Spanish language and literature	Humanities and arts	Foreign languages and literature

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
16.0907	Catalan Language and Literature	2021	Humanities	Foreign languages, literatures, and linguistics	Spanish language and literature	Humanities and arts	Foreign languages and literature
16.1701	English as a Second Language	2021	Humanities	Foreign languages, literatures, and linguistics	Foreign languages, literatures, and linguistics nec	Education	Teacher education and teaching fields
16.0101	Foreign Languages and Literatures, General	2021	Humanities	Foreign languages, literatures, and linguistics	Foreign languages, literatures, and linguistics nec	Humanities and arts	Foreign languages and literature
16.0103	Language Interpretation and Translation	2021	Humanities	Foreign languages, literatures, and linguistics	Foreign languages, literatures, and linguistics nec	Humanities and arts	Foreign languages and literature
16.0201	African Languages, Literatures, and Linguistics	2021	Humanities	Foreign languages, literatures, and linguistics	Foreign languages, literatures, and linguistics nec	Humanities and arts	Foreign languages and literature
16.0300	East Asian Languages, Literatures, and Linguistics, General	2021	Humanities	Foreign languages, literatures, and linguistics	Foreign languages, literatures, and linguistics nec	Humanities and arts	Foreign languages and literature
16.0301	Chinese Language and Literature	2021	Humanities	Foreign languages, literatures, and linguistics	Foreign languages, literatures, and linguistics nec	Humanities and arts	Foreign languages and literature
16.0302	Japanese Language and Literature	2021	Humanities	Foreign languages, literatures, and linguistics	Foreign languages, literatures, and linguistics nec	Humanities and arts	Foreign languages and literature
16.0303	Korean Language and Literature	2021	Humanities	Foreign languages, literatures, and linguistics	Foreign languages, literatures, and linguistics nec	Humanities and arts	Foreign languages and literature
16.0304	Tibetan Language and Literature	2021	Humanities	Foreign languages, literatures, and linguistics	Foreign languages, literatures, and linguistics nec	Humanities and arts	Foreign languages and literature
16.0399	East Asian Languages, Literatures, and Linguistics, Other	2021	Humanities	Foreign languages, literatures, and linguistics	Foreign languages, literatures, and linguistics nec	Humanities and arts	Foreign languages and literature
16.0400	Slavic Languages, Literatures, and Linguistics, General	2021	Humanities	Foreign languages, literatures, and linguistics	Foreign languages, literatures, and linguistics nec	Humanities and arts	Foreign languages and literature
16.0401	Baltic Languages, Literatures, and Linguistics	2021	Humanities	Foreign languages, literatures, and linguistics	Foreign languages, literatures, and linguistics nec	Humanities and arts	Foreign languages and literature
16.0402	Russian Language and Literature	2021	Humanities	Foreign languages, literatures, and linguistics	Foreign languages, literatures, and linguistics nec	Humanities and arts	Foreign languages and literature

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(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
16.0404	Albanian Language and Literature	2021	Humanities	Foreign languages, literatures, and linguistics	Foreign languages, literatures, and linguistics nec	Humanities and arts	Foreign languages and literature
16.0405	Bulgarian Language and Literature	2021	Humanities	Foreign languages, literatures, and linguistics	Foreign languages, literatures, and linguistics nec	Humanities and arts	Foreign languages and literature
16.0406	Czech Language and Literature	2021	Humanities	Foreign languages, literatures, and linguistics	Foreign languages, literatures, and linguistics nec	Humanities and arts	Foreign languages and literature
16.0407	Polish Language and Literature	2021	Humanities	Foreign languages, literatures, and linguistics	Foreign languages, literatures, and linguistics nec	Humanities and arts	Foreign languages and literature
16.0408	Bosnian, Serbian, and Croatian Languages and Literatures	2021	Humanities	Foreign languages, literatures, and linguistics	Foreign languages, literatures, and linguistics nec	Humanities and arts	Foreign languages and literature
16.0409	Slovak Language and Literature	2021	Humanities	Foreign languages, literatures, and linguistics	Foreign languages, literatures, and linguistics nec	Humanities and arts	Foreign languages and literature
16.0410	Ukrainian Language and Literature	2021	Humanities	Foreign languages, literatures, and linguistics	Foreign languages, literatures, and linguistics nec	Humanities and arts	Foreign languages and literature
16.0499	Slavic, Baltic, and Albanian Languages, Literatures, and Linguistics, Other	2021	Humanities	Foreign languages, literatures, and linguistics	Foreign languages, literatures, and linguistics nec	Humanities and arts	Foreign languages and literature
16.0500	Germanic Languages, Literatures, and Linguistics, General	2021	Humanities	Foreign languages, literatures, and linguistics	Foreign languages, literatures, and linguistics nec	Humanities and arts	Foreign languages and literature
16.0501	German Language and Literature	2021	Humanities	Foreign languages, literatures, and linguistics	Foreign languages, literatures, and linguistics nec	Humanities and arts	Foreign languages and literature
16.0502	Scandinavian Languages, Literatures, and Linguistics	2021	Humanities	Foreign languages, literatures, and linguistics	Foreign languages, literatures, and linguistics nec	Humanities and arts	Foreign languages and literature
16.0503	Danish Language and Literature	2021	Humanities	Foreign languages, literatures, and linguistics	Foreign languages, literatures, and linguistics nec	Humanities and arts	Foreign languages and literature
16.0504	Dutch/ Flemish Language and Literature	2021	Humanities	Foreign languages, literatures, and linguistics	Foreign languages, literatures, and linguistics nec	Humanities and arts	Foreign languages and literature
16.0505	Norwegian Language and Literature	2021	Humanities	Foreign languages, literatures, and linguistics	Foreign languages, literatures, and linguistics nec	Humanities and arts	Foreign languages and literature

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(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
16.0506	Swedish Language and Literature	2021	Humanities	Foreign languages, literatures, and linguistics	Foreign languages, literatures, and linguistics nec	Humanities and arts	Foreign languages and literature
16.0599	Germanic Languages, Literatures, and Linguistics, Other	2021	Humanities	Foreign languages, literatures, and linguistics	Foreign languages, literatures, and linguistics nec	Humanities and arts	Foreign languages and literature
16.0601	Modern Greek Language and Literature	2021	Humanities	Foreign languages, literatures, and linguistics	Foreign languages, literatures, and linguistics nec	Humanities and arts	Foreign languages and literature
16.0700	South Asian Languages, Literatures, and Linguistics, General	2021	Humanities	Foreign languages, literatures, and linguistics	Foreign languages, literatures, and linguistics nec	Humanities and arts	Foreign languages and literature
16.0701	Hindi Language and Literature	2021	Humanities	Foreign languages, literatures, and linguistics	Foreign languages, literatures, and linguistics nec	Humanities and arts	Foreign languages and literature
16.0702	Sanskrit and Classical Indian Languages, Literatures, and Linguistics	2021	Humanities	Foreign languages, literatures, and linguistics	Foreign languages, literatures, and linguistics nec	Humanities and arts	Foreign languages and literature
16.0704	Bengali Language and Literature	2021	Humanities	Foreign languages, literatures, and linguistics	Foreign languages, literatures, and linguistics nec	Humanities and arts	Foreign languages and literature
16.0705	Punjabi Language and Literature	2021	Humanities	Foreign languages, literatures, and linguistics	Foreign languages, literatures, and linguistics nec	Humanities and arts	Foreign languages and literature
16.0706	Tamil Language and Literature	2021	Humanities	Foreign languages, literatures, and linguistics	Foreign languages, literatures, and linguistics nec	Humanities and arts	Foreign languages and literature
16.0707	Urdu Language and Literature	2021	Humanities	Foreign languages, literatures, and linguistics	Foreign languages, literatures, and linguistics nec	Humanities and arts	Foreign languages and literature
16.0799	South Asian Languages, Literatures, and Linguistics, Other	2021	Humanities	Foreign languages, literatures, and linguistics	Foreign languages, literatures, and linguistics nec	Humanities and arts	Foreign languages and literature
16.0801	Iranian Languages, Literatures, and Linguistics	2021	Humanities	Foreign languages, literatures, and linguistics	Foreign languages, literatures, and linguistics nec	Humanities and arts	Foreign languages and literature
16.1001	American Indian/ Native American Languages, Literatures, and Linguistics	2021	Humanities	Foreign languages, literatures, and linguistics	Foreign languages, literatures, and linguistics nec	Humanities and arts	Foreign languages and literature
16.1100	Middle/ Near Eastern and Semitic Languages, Literatures, and Linguistics, General	2021	Humanities	Foreign languages, literatures, and linguistics	Foreign languages, literatures, and linguistics nec	Humanities and arts	Foreign languages and literature

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(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
16.1101	Arabic Language and Literature	2021	Humanities	Foreign languages, literatures, and linguistics	Foreign languages, literatures, and linguistics nec	Humanities and arts	Foreign languages and literature
16.1102	Hebrew Language and Literature	2021	Humanities	Foreign languages, literatures, and linguistics	Foreign languages, literatures, and linguistics nec	Humanities and arts	Foreign languages and literature
16.1103	Ancient Near Eastern and Biblical Languages, Literatures, and Linguistics	2021	Humanities	Foreign languages, literatures, and linguistics	Foreign languages, literatures, and linguistics nec	Humanities and arts	Foreign languages and literature
16.1199	Middle/ Near Eastern and Semitic Languages, Literatures, and Linguistics, Other	2021	Humanities	Foreign languages, literatures, and linguistics	Foreign languages, literatures, and linguistics nec	Humanities and arts	Foreign languages and literature
16.1301	Celtic Languages, Literatures, and Linguistics	2021	Humanities	Foreign languages, literatures, and linguistics	Foreign languages, literatures, and linguistics nec	Humanities and arts	Foreign languages and literature
16.1400	Southeast Asian Languages, Literatures, and Linguistics, General	2021	Humanities	Foreign languages, literatures, and linguistics	Foreign languages, literatures, and linguistics nec	Humanities and arts	Foreign languages and literature
16.1401	Australian/ Oceanic/ Pacific Languages, Literatures, and Linguistics	2021	Humanities	Foreign languages, literatures, and linguistics	Foreign languages, literatures, and linguistics nec	Humanities and arts	Foreign languages and literature
16.1402	Indonesian/ Malay Languages and Literatures	2021	Humanities	Foreign languages, literatures, and linguistics	Foreign languages, literatures, and linguistics nec	Humanities and arts	Foreign languages and literature
16.1403	Burmese Language and Literature	2021	Humanities	Foreign languages, literatures, and linguistics	Foreign languages, literatures, and linguistics nec	Humanities and arts	Foreign languages and literature
16.1404	Filipino/ Tagalog Language and Literature	2021	Humanities	Foreign languages, literatures, and linguistics	Foreign languages, literatures, and linguistics nec	Humanities and arts	Foreign languages and literature
16.1405	Khmer/ Cambodian Language and Literature	2021	Humanities	Foreign languages, literatures, and linguistics	Foreign languages, literatures, and linguistics nec	Humanities and arts	Foreign languages and literature
16.1406	Lao Language and Literature	2021	Humanities	Foreign languages, literatures, and linguistics	Foreign languages, literatures, and linguistics nec	Humanities and arts	Foreign languages and literature
16.1407	Thai Language and Literature	2021	Humanities	Foreign languages, literatures, and linguistics	Foreign languages, literatures, and linguistics nec	Humanities and arts	Foreign languages and literature
16.1408	Vietnamese Language and Literature	2021	Humanities	Foreign languages, literatures, and linguistics	Foreign languages, literatures, and linguistics nec	Humanities and arts	Foreign languages and literature

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(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
16.1409	Hawaiian Language and Literature	2021	Humanities	Foreign languages, literatures, and linguistics	Foreign languages, literatures, and linguistics nec	Humanities and arts	Foreign languages and literature
16.1499	Southeast Asian and Australasian/ Pacific Languages, Literatures, and Linguistics, Other	2021	Humanities	Foreign languages, literatures, and linguistics	Foreign languages, literatures, and linguistics nec	Humanities and arts	Foreign languages and literature
16.1501	Turkish Language and Literature	2021	Humanities	Foreign languages, literatures, and linguistics	Foreign languages, literatures, and linguistics nec	Humanities and arts	Foreign languages and literature
16.1502	Uralic Languages, Literatures, and Linguistics	2021	Humanities	Foreign languages, literatures, and linguistics	Foreign languages, literatures, and linguistics nec	Humanities and arts	Foreign languages and literature
16.1503	Hungarian/ Magyar Language and Literature	2021	Humanities	Foreign languages, literatures, and linguistics	Foreign languages, literatures, and linguistics nec	Humanities and arts	Foreign languages and literature
16.1504	Mongolian Language and Literature	2021	Humanities	Foreign languages, literatures, and linguistics	Foreign languages, literatures, and linguistics nec	Humanities and arts	Foreign languages and literature
16.1599	Turkic, Uralic-Altaic, Caucasian, and Central Asian Languages, Literatures, and Linguistics, Other	2021	Humanities	Foreign languages, literatures, and linguistics	Foreign languages, literatures, and linguistics nec	Humanities and arts	Foreign languages and literature
16.1601	American Sign Language (ASL)	2021	Humanities	Foreign languages, literatures, and linguistics	Foreign languages, literatures, and linguistics nec	Humanities and arts	Foreign languages and literature
16.1602	Linguistics of ASL and Other Sign Languages	2021	Humanities	Foreign languages, literatures, and linguistics	Foreign languages, literatures, and linguistics nec	Humanities and arts	Foreign languages and literature
16.1603	Sign Language Interpretation and Translation	2021	Humanities	Foreign languages, literatures, and linguistics	Foreign languages, literatures, and linguistics nec	Humanities and arts	Foreign languages and literature
16.1699	American Sign Language, Other	2021	Humanities	Foreign languages, literatures, and linguistics	Foreign languages, literatures, and linguistics nec	Humanities and arts	Foreign languages and literature
16.1801	Armenian Language and Literature	2021	Humanities	Foreign languages, literatures, and linguistics	Foreign languages, literatures, and linguistics nec	Humanities and arts	Foreign languages and literature
16.9999	Foreign Languages, Literatures, and Linguistics, Other	2021	Humanities	Foreign languages, literatures, and linguistics	Foreign languages, literatures, and linguistics nec	Humanities and arts	Foreign languages and literature
54.0102	American History (United States)	2021	Humanities	History	American history (United States)	Humanities and arts	History
54.0102b	African-American/ Black History	2021	Humanities	History	American history (United States)	Humanities and arts	Humanities and arts, other

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
54.0103	European History	2021	Humanities	History	European history	Humanities and arts	History
54.0101	History, General	2021	Humanities	History	History, general	Humanities and arts	History
54.0106	Asian History	2021	Humanities	History	History, regional focus	Humanities and arts	History
54.0107	Canadian History	2021	Humanities	History	History, regional focus	Humanities and arts	History
54.0199c	African History	2021	Humanities	History	History, regional focus	Humanities and arts	History
54.0199d	Latin American History	2021	Humanities	History	History, regional focus	Humanities and arts	History
54.0199e	Middle/ Near East History	2021	Humanities	History	History, regional focus	Humanities and arts	History
54.0105	Public/ Applied History	2021	Humanities	History	History nec	Humanities and arts	History
54.0108	Military History	2021	Humanities	History	History nec	Humanities and arts	History
54.0199	History, Other	2021	Humanities	History	History nec	Humanities and arts	History
38.0001	Philosophy and Religious Studies, General	2021	Humanities	Philosophy and religious studies	Philosophy	Humanities and arts	Philosophy and religious studies
38.0101	Philosophy	2021	Humanities	Philosophy and religious studies	Philosophy	Humanities and arts	Philosophy and religious studies
38.0102	Logic (PHIOLOSPHY)	2021	Humanities	Philosophy and religious studies	Philosophy	Humanities and arts	Philosophy and religious studies
38.0199	Philosophy, Other	2021	Humanities	Philosophy and religious studies	Philosophy	Humanities and arts	Philosophy and religious studies
38.9999	Philosophy and Religious Studies, Other	2021	Humanities	Philosophy and religious studies	Philosophy	Humanities and arts	Philosophy and religious studies
38.0103	Ethics	2021	Humanities	Philosophy and religious studies	Philosophy	Humanities and arts	Humanities and arts, other
38.0104	Applied and Professional Ethics	2021	Humanities	Philosophy and religious studies	Philosophy	Humanities and arts	Humanities and arts, other
38.0201	Religion/ Religious Studies	2021	Humanities	Philosophy and religious studies	Religion/ religious studies	Humanities and arts	Philosophy and religious studies
38.0202	Buddhist Studies	2021	Humanities	Philosophy and religious studies	Philosophy and religious studies nec	Humanities and arts	Philosophy and religious studies
38.0203	Christian Studies	2021	Humanities	Philosophy and religious studies	Philosophy and religious studies nec	Humanities and arts	Philosophy and religious studies
38.0204	Hindu Studies	2021	Humanities	Philosophy and religious studies	Philosophy and religious studies nec	Humanities and arts	Philosophy and religious studies
38.0205	Islamic Studies	2021	Humanities	Philosophy and religious studies	Philosophy and religious studies nec	Humanities and arts	Philosophy and religious studies
38.0206	Jewish/ Judaic Studies	2021	Humanities	Philosophy and religious studies	Philosophy and religious studies nec	Humanities and arts	Philosophy and religious studies
38.0207	Talmudic Studies	2021	Humanities	Philosophy and religious studies	Philosophy and religious studies nec	Humanities and arts	Philosophy and religious studies
38.0208	Catholic Studies	2021	Humanities	Philosophy and religious studies	Philosophy and religious studies nec	Humanities and arts	Philosophy and religious studies
38.0209	Mormon Studies	2021	Humanities	Philosophy and religious studies	Philosophy and religious studies nec	Humanities and arts	Philosophy and religious studies
38.0299	Religion/ Religious Studies, Other	2021	Humanities	Philosophy and religious studies	Philosophy and religious studies nec	Humanities and arts	Philosophy and religious studies

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
39.0201	Bible/ Biblical Studies	2021	Humanities	Humanities, other	Bible/ biblical studies	Humanities and arts	Humanities and arts, other
24.0103	Humanities/ Humanistic Studies	2021	Humanities	Humanities, other	Humanities and humanistic studies	Humanities and arts	Humanities and arts, other
24.0199	Liberal Arts and Sciences, General Studies and Humanities, Other	2021	Humanities	Humanities, other	Humanities and humanistic studies	Other non-science and engineering	Non-science and engineering, other
39.0802	Religious/ Canon Law	2021	Humanities	Humanities, other	Theological and ministerial studies	Humanities and arts	Philosophy and religious studies
39.0899	Religious Institution Administration and Law, Other	2021	Humanities	Humanities, other	Theological and ministerial studies	Humanities and arts	Philosophy and religious studies
39.0301	Missions/ Missionary Studies	2021	Humanities	Humanities, other	Theological and ministerial studies	Humanities and arts	Humanities and arts, other
39.0302	Church Planting	2021	Humanities	Humanities, other	Theological and ministerial studies	Humanities and arts	Humanities and arts, other
39.0399	Missions/ Missionary Studies and Missiology, Other	2021	Humanities	Humanities, other	Theological and ministerial studies	Humanities and arts	Humanities and arts, other
39.0401	Religious Education	2021	Humanities	Humanities, other	Theological and ministerial studies	Humanities and arts	Humanities and arts, other
39.0501	Religious/ Sacred Music	2021	Humanities	Humanities, other	Theological and ministerial studies	Humanities and arts	Humanities and arts, other
39.0502	Worship Ministry	2021	Humanities	Humanities, other	Theological and ministerial studies	Humanities and arts	Humanities and arts, other
39.0599	Religious Music and Worship, Other	2021	Humanities	Humanities, other	Theological and ministerial studies	Humanities and arts	Humanities and arts, other
39.0601	Theology/ Theological Studies	2021	Humanities	Humanities, other	Theological and ministerial studies	Humanities and arts	Humanities and arts, other
39.0602	Divinity/ Ministry	2021	Humanities	Humanities, other	Theological and ministerial studies	Humanities and arts	Humanities and arts, other
39.0604	Pre-Theology/ Pre-Ministerial Studies	2021	Humanities	Humanities, other	Theological and ministerial studies	Humanities and arts	Humanities and arts, other
39.0605	Rabbinical Studies	2021	Humanities	Humanities, other	Theological and ministerial studies	Humanities and arts	Humanities and arts, other
39.0699	Theological and Ministerial Studies, Other	2021	Humanities	Humanities, other	Theological and ministerial studies	Humanities and arts	Humanities and arts, other
39.0701	Pastoral Studies/ Counseling	2021	Humanities	Humanities, other	Theological and ministerial studies	Humanities and arts	Humanities and arts, other
39.0702	Youth Ministry	2021	Humanities	Humanities, other	Theological and ministerial studies	Humanities and arts	Humanities and arts, other
39.0703	Urban Ministry	2021	Humanities	Humanities, other	Theological and ministerial studies	Humanities and arts	Humanities and arts, other
39.0704	Women's Ministry	2021	Humanities	Humanities, other	Theological and ministerial studies	Humanities and arts	Humanities and arts, other
39.0705	Lay Ministry	2021	Humanities	Humanities, other	Theological and ministerial studies	Humanities and arts	Humanities and arts, other
39.0706	Chaplain/ Chaplaincy Studies	2021	Humanities	Humanities, other	Theological and ministerial studies	Humanities and arts	Humanities and arts, other
39.0799	Pastoral Counseling and Specialized Ministries, Other	2021	Humanities	Humanities, other	Theological and ministerial studies	Humanities and arts	Humanities and arts, other
39.0801	Religious Institution Administration and Management	2021	Humanities	Humanities, other	Theological and ministerial studies	Humanities and arts	Humanities and arts, other

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
39.9999	Theology and Religious Vocations, Other	2021	Humanities	Humanities, other	Theological and ministerial studies	Humanities and arts	Humanities and arts, other
50.0504	Playwriting and Screenwriting	2021	Visual and performing arts	Performing arts	Dance, drama, theatre arts, and stagecraft	Humanities and arts	Letters
50.0301	Dance, General	2021	Visual and performing arts	Performing arts	Dance, drama, theatre arts, and stagecraft	Humanities and arts	Music and performing arts
50.0302	Ballet	2021	Visual and performing arts	Performing arts	Dance, drama, theatre arts, and stagecraft	Humanities and arts	Music and performing arts
50.0399	Dance, Other	2021	Visual and performing arts	Performing arts	Dance, drama, theatre arts, and stagecraft	Humanities and arts	Music and performing arts
50.0501	Drama and Dramatics/ Theatre Arts, General	2021	Visual and performing arts	Performing arts	Dance, drama, theatre arts, and stagecraft	Humanities and arts	Music and performing arts
50.0502	Technical Theatre/ Theatre Design and Technology	2021	Visual and performing arts	Performing arts	Dance, drama, theatre arts, and stagecraft	Humanities and arts	Music and performing arts
50.0505	Theatre Literature, History and Criticism	2021	Visual and performing arts	Performing arts	Dance, drama, theatre arts, and stagecraft	Humanities and arts	Music and performing arts
50.0506	Acting	2021	Visual and performing arts	Performing arts	Dance, drama, theatre arts, and stagecraft	Humanities and arts	Music and performing arts
50.0507	Directing and Theatrical Production	2021	Visual and performing arts	Performing arts	Dance, drama, theatre arts, and stagecraft	Humanities and arts	Music and performing arts
50.0509	Musical Theatre	2021	Visual and performing arts	Performing arts	Dance, drama, theatre arts, and stagecraft	Humanities and arts	Music and performing arts
50.0510	Costume Design	2021	Visual and performing arts	Performing arts	Dance, drama, theatre arts, and stagecraft	Humanities and arts	Music and performing arts
50.0511	Comedy Writing and Performance	2021	Visual and performing arts	Performing arts	Dance, drama, theatre arts, and stagecraft	Humanities and arts	Music and performing arts
50.0599	Dramatic/ Theatre Arts and Stagecraft, Other	2021	Visual and performing arts	Performing arts	Dance, drama, theatre arts, and stagecraft	Humanities and arts	Music and performing arts
50.0512	Theatre and Dance	2021	Visual and performing arts	Performing arts	Dance, drama, theatre arts, and stagecraft	Humanities and arts	Humanities and arts, other
50.0903	Music Performance, General	2021	Visual and performing arts	Performing arts	Music performance	Humanities and arts	Music and performing arts
50.0906	Conducting	2021	Visual and performing arts	Performing arts	Music performance	Humanities and arts	Music and performing arts
50.0907	Keyboard Instruments	2021	Visual and performing arts	Performing arts	Music performance	Humanities and arts	Music and performing arts
50.0908	Voice and Opera	2021	Visual and performing arts	Performing arts	Music performance	Humanities and arts	Music and performing arts
50.0910	Jazz/ Jazz Studies	2021	Visual and performing arts	Performing arts	Music performance	Humanities and arts	Music and performing arts
50.0911	Stringed Instruments	2021	Visual and performing arts	Performing arts	Music performance	Humanities and arts	Music and performing arts

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
50.0914	Brass Instruments	2021	Visual and performing arts	Performing arts	Music performance	Humanities and arts	Music and performing arts
50.0915	Woodwind Instruments	2021	Visual and performing arts	Performing arts	Music performance	Humanities and arts	Music and performing arts
50.0916	Percussion Instruments	2021	Visual and performing arts	Performing arts	Music performance	Humanities and arts	Music and performing arts
50.0904	Music Theory and Composition	2021	Visual and performing arts	Performing arts	Music theory and composition	Humanities and arts	Music and performing arts
50.0905	Musicology and Ethnomusicology	2021	Visual and performing arts	Performing arts	Musicology and ethnomusicology	Humanities and arts	Music and performing arts
50.0901	Music, General	2021	Visual and performing arts	Performing arts	Music nec	Humanities and arts	Music and performing arts
50.0902	Music History, Literature, and Theory	2021	Visual and performing arts	Performing arts	Music nec	Humanities and arts	Music and performing arts
50.0912	Music Pedagogy	2021	Visual and performing arts	Performing arts	Music nec	Humanities and arts	Music and performing arts
50.0913	Music Technology	2021	Visual and performing arts	Performing arts	Music nec	Humanities and arts	Music and performing arts
50.0917	Sound Arts	2021	Visual and performing arts	Performing arts	Music nec	Humanities and arts	Music and performing arts
50.0999	Music, Other	2021	Visual and performing arts	Performing arts	Music nec	Humanities and arts	Music and performing arts
50.0703	Art History, Criticism and Conservation	2021	Visual and performing arts	Visual arts, media studies, and design	Art history, criticism, and conservation	Humanities and arts	Humanities and arts, other
50.0601	Film/ Cinema/ Media Studies	2021	Visual and performing arts	Visual arts, media studies, and design	Film, cinema, and media studies	Humanities and arts	Humanities and arts, other
50.0602	Cinematography and Film/ Video Production	2021	Visual and performing arts	Visual arts, media studies, and design	Film, cinema, and media studies	Humanities and arts	Humanities and arts, other
50.0605	Photography	2021	Visual and performing arts	Visual arts, media studies, and design	Film, cinema, and media studies	Humanities and arts	Humanities and arts, other
50.0607	Documentary Production	2021	Visual and performing arts	Visual arts, media studies, and design	Film, cinema, and media studies	Humanities and arts	Humanities and arts, other
50.0699	Film/ Video and Photographic Arts, Other	2021	Visual and performing arts	Visual arts, media studies, and design	Film, cinema, and media studies	Humanities and arts	Humanities and arts, other
50.1001	Arts, Entertainment, and Media Management, General	2021	Visual and performing arts	Visual arts, media studies, and design	Visual arts, media studies, and design nec	Business	Business
50.1004	Theatre/ Theatre Arts Management	2021	Visual and performing arts	Visual arts, media studies, and design	Visual arts, media studies, and design nec	Business	Business
50.1003	Music Management	2021	Visual and performing arts	Visual arts, media studies, and design	Visual arts, media studies, and design nec	Humanities and arts	Music and performing arts
50.0101	Visual and Performing Arts, General	2021	Visual and performing arts	Visual arts, media studies, and design	Visual arts, media studies, and design nec	Humanities and arts	Humanities and arts, other
50.0102	Digital Arts	2021	Visual and performing arts	Visual arts, media studies, and design	Visual arts, media studies, and design nec	Humanities and arts	Humanities and arts, other

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
50.0201	Crafts/ Craft Design, Folk Art and Artisanry	2021	Visual and performing arts	Visual arts, media studies, and design	Visual arts, media studies, and design nec	Humanities and arts	Humanities and arts, other
50.0406	Commercial Photography	2021	Visual and performing arts	Visual arts, media studies, and design	Visual arts, media studies, and design nec	Humanities and arts	Humanities and arts, other
50.0409	Graphic Design	2021	Visual and performing arts	Visual arts, media studies, and design	Visual arts, media studies, and design nec	Humanities and arts	Humanities and arts, other
50.0410	Illustration	2021	Visual and performing arts	Visual arts, media studies, and design	Visual arts, media studies, and design nec	Humanities and arts	Humanities and arts, other
50.0701	Art/ Art Studies, General	2021	Visual and performing arts	Visual arts, media studies, and design	Visual arts, media studies, and design nec	Humanities and arts	Humanities and arts, other
50.0702	Fine/ Studio Arts, General	2021	Visual and performing arts	Visual arts, media studies, and design	Visual arts, media studies, and design nec	Humanities and arts	Humanities and arts, other
50.0705	Drawing	2021	Visual and performing arts	Visual arts, media studies, and design	Visual arts, media studies, and design nec	Humanities and arts	Humanities and arts, other
50.0706	Intermedia/ Multimedia	2021	Visual and performing arts	Visual arts, media studies, and design	Visual arts, media studies, and design nec	Humanities and arts	Humanities and arts, other
50.0708	Painting	2021	Visual and performing arts	Visual arts, media studies, and design	Visual arts, media studies, and design nec	Humanities and arts	Humanities and arts, other
50.0709	Sculpture	2021	Visual and performing arts	Visual arts, media studies, and design	Visual arts, media studies, and design nec	Humanities and arts	Humanities and arts, other
50.0710	Printmaking	2021	Visual and performing arts	Visual arts, media studies, and design	Visual arts, media studies, and design nec	Humanities and arts	Humanities and arts, other
50.0711	Ceramic Arts and Ceramics	2021	Visual and performing arts	Visual arts, media studies, and design	Visual arts, media studies, and design nec	Humanities and arts	Humanities and arts, other
50.0712	Fiber, Textile and Weaving Arts	2021	Visual and performing arts	Visual arts, media studies, and design	Visual arts, media studies, and design nec	Humanities and arts	Humanities and arts, other
50.0713	Jewelry Arts	2021	Visual and performing arts	Visual arts, media studies, and design	Visual arts, media studies, and design nec	Humanities and arts	Humanities and arts, other
50.0714	Metal Arts	2021	Visual and performing arts	Visual arts, media studies, and design	Visual arts, media studies, and design nec	Humanities and arts	Humanities and arts, other
50.0799	Fine Arts and Art Studies, Other	2021	Visual and performing arts	Visual arts, media studies, and design	Visual arts, media studies, and design nec	Humanities and arts	Humanities and arts, other
50.1002	Fine and Studio Arts Management	2021	Visual and performing arts	Visual arts, media studies, and design	Visual arts, media studies, and design nec	Humanities and arts	Humanities and arts, other
50.1099	Arts, Entertainment, and Media Management, Other	2021	Visual and performing arts	Visual arts, media studies, and design	Visual arts, media studies, and design nec	Humanities and arts	Humanities and arts, other

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
50.1101	Community/ Environmental/ Socially-Engaged Art	2021	Visual and performing arts	Visual arts, media studies, and design	Visual arts, media studies, and design nec	Humanities and arts	Humanities and arts, other
50.9999	Visual and Performing Arts, Other	2021	Visual and performing arts	Visual arts, media studies, and design	Visual arts, media studies, and design nec	Humanities and arts	Humanities and arts, other
50.0401	Design and Visual Communications, General	2021	Visual and performing arts	Visual arts, media studies, and design	Visual arts, media studies, and design nec	Other non-science and engineering	Communication
50.0402	Commercial and Advertising Art	2021	Visual and performing arts	Visual arts, media studies, and design	Visual arts, media studies, and design nec	Other non-science and engineering	Communication
50.0404	Industrial and Product Design	2021	Visual and performing arts	Visual arts, media studies, and design	Visual arts, media studies, and design nec	Other non-science and engineering	Communication
50.0411	Game and Interactive Media Design	2021	Visual and performing arts	Visual arts, media studies, and design	Visual arts, media studies, and design nec	Other non-science and engineering	Communication
50.0499	Design and Applied Arts, Other	2021	Visual and performing arts	Visual arts, media studies, and design	Visual arts, media studies, and design nec	Other non-science and engineering	Communication
50.0407	Fashion/ Apparel Design	2021	Visual and performing arts	Visual arts, media studies, and design	Visual arts, media studies, and design nec	Other non-science and engineering	Non-science and engineering, other
50.0408	Interior Design	2021	Visual and performing arts	Visual arts, media studies, and design	Visual arts, media studies, and design nec	Other non-science and engineering	Non-science and engineering, other
09.0900	Public Relations, Advertising, and Applied Communication	2021	Other non-science and engineering	Communication and journalism	Applied communication, advertising, and public relations	Other non-science and engineering	Communication
09.0901	Organizational Communication, General	2021	Other non-science and engineering	Communication and journalism	Applied communication, advertising, and public relations	Other non-science and engineering	Communication
09.0902	Public Relations/ Image Management	2021	Other non-science and engineering	Communication and journalism	Applied communication, advertising, and public relations	Other non-science and engineering	Communication
09.0903	Advertising	2021	Other non-science and engineering	Communication and journalism	Applied communication, advertising, and public relations	Other non-science and engineering	Communication
09.0904	Political Communication	2021	Other non-science and engineering	Communication and journalism	Applied communication, advertising, and public relations	Other non-science and engineering	Communication
09.0905	Health Communication	2021	Other non-science and engineering	Communication and journalism	Applied communication, advertising, and public relations	Other non-science and engineering	Communication
09.0906	Sports Communication	2021	Other non-science and engineering	Communication and journalism	Applied communication, advertising, and public relations	Other non-science and engineering	Communication

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
09.0907	International and Intercultural Communication	2021	Other non-science and engineering	Communication and journalism	Applied communication, advertising, and public relations	Other non-science and engineering	Communication
09.0908	Technical and Scientific Communication	2021	Other non-science and engineering	Communication and journalism	Applied communication, advertising, and public relations	Other non-science and engineering	Communication
09.0909	Communication Management and Strategic Communications	2021	Other non-science and engineering	Communication and journalism	Applied communication, advertising, and public relations	Other non-science and engineering	Communication
09.0999	Public Relations, Advertising, and Applied Communication, Other	2021	Other non-science and engineering	Communication and journalism	Applied communication, advertising, and public relations	Other non-science and engineering	Communication
09.0101	Speech Communication and Rhetoric	2021	Other non-science and engineering	Communication and journalism	Communication and media studies	Humanities and arts	Letters
09.0199	Communication and Media Studies, Other	2021	Other non-science and engineering	Communication and journalism	Communication and media studies	Other non-science and engineering	Communication
09.0199b	Communication and Media Studies	2025	Other non-science and engineering	Communication and journalism	Communication and media studies	Other non-science and engineering	Communication
09.0100	Communication, General	2021	Other non-science and engineering	Communication and journalism	Communication, general	Other non-science and engineering	Communication
09.0100d	Communication Studies	2022	Other non-science and engineering	Communication and journalism	Communication, general	Other non-science and engineering	Communication
09.0102	Mass Communication/ Media Studies	2021	Other non-science and engineering	Communication and journalism	Mass communication/ media studies	Other non-science and engineering	Communication
10.0308	Computer Typography and Composition Equipment Operator	2021	Other non-science and engineering	Communication and journalism	Communication and journalism nec	Computer and information sciences	Computer and information sciences, other
09.0100b	Communication Research	2021	Other non-science and engineering	Communication and journalism	Communication and journalism nec	Other non-science and engineering	Communication
09.0100c	Communication Theory	2021	Other non-science and engineering	Communication and journalism	Communication and journalism nec	Other non-science and engineering	Communication
09.0401	Journalism	2021	Other non-science and engineering	Communication and journalism	Communication and journalism nec	Other non-science and engineering	Communication
09.0402	Broadcast Journalism	2021	Other non-science and engineering	Communication and journalism	Communication and journalism nec	Other non-science and engineering	Communication
09.0404	Photojournalism	2021	Other non-science and engineering	Communication and journalism	Communication and journalism nec	Other non-science and engineering	Communication
09.0405	Business and Economic Journalism	2021	Other non-science and engineering	Communication and journalism	Communication and journalism nec	Other non-science and engineering	Communication

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
09.0406	Cultural Journalism	2021	Other non-science and engineering	Communication and journalism	Communication and journalism nec	Other non-science and engineering	Communication
09.0407	Science/ Health/ Environmental Journalism	2021	Other non-science and engineering	Communication and journalism	Communication and journalism nec	Other non-science and engineering	Communication
09.0499	Journalism, Other	2021	Other non-science and engineering	Communication and journalism	Communication and journalism nec	Other non-science and engineering	Communication
09.0701	Radio and Television	2021	Other non-science and engineering	Communication and journalism	Communication and journalism nec	Other non-science and engineering	Communication
09.0702	Digital Communication and Media/ Multimedia	2021	Other non-science and engineering	Communication and journalism	Communication and journalism nec	Other non-science and engineering	Communication
09.0799	Radio, Television, and Digital Communication, Other	2021	Other non-science and engineering	Communication and journalism	Communication and journalism nec	Other non-science and engineering	Communication
09.1001	Publishing	2021	Other non-science and engineering	Communication and journalism	Communication and journalism nec	Other non-science and engineering	Communication
09.9999	Communication, Journalism, and Related Programs, Other	2021	Other non-science and engineering	Communication and journalism	Communication and journalism nec	Other non-science and engineering	Communication
10.0105	Communications Technology	2021	Other non-science and engineering	Communication and journalism	Communication and journalism nec	Other non-science and engineering	Communication
10.0201	Photographic and Film/ Video Technology	2021	Other non-science and engineering	Communication and journalism	Communication and journalism nec	Other non-science and engineering	Communication
10.0202	Radio and Television Broadcasting Technology	2021	Other non-science and engineering	Communication and journalism	Communication and journalism nec	Other non-science and engineering	Communication
10.0203	Recording Arts Technology	2021	Other non-science and engineering	Communication and journalism	Communication and journalism nec	Other non-science and engineering	Communication
10.0204	Voice Writing Technology	2021	Other non-science and engineering	Communication and journalism	Communication and journalism nec	Other non-science and engineering	Communication
10.0299	Audiovisual Communications Technologies, Other	2021	Other non-science and engineering	Communication and journalism	Communication and journalism nec	Other non-science and engineering	Communication
10.0301	Graphic Communications, General	2021	Other non-science and engineering	Communication and journalism	Communication and journalism nec	Other non-science and engineering	Communication
10.0302	Printing Management	2021	Other non-science and engineering	Communication and journalism	Communication and journalism nec	Other non-science and engineering	Communication
10.0303	Prepress/ Desktop Publishing and Digital Imaging Design	2021	Other non-science and engineering	Communication and journalism	Communication and journalism nec	Other non-science and engineering	Communication
10.0304	Animation, Interactive Technology, Video Graphics, and Special Effects	2021	Other non-science and engineering	Communication and journalism	Communication and journalism nec	Other non-science and engineering	Communication

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
10.0305	Graphic and Printing Equipment Operator, General Production	2021	Other non-science and engineering	Communication and journalism	Communication and journalism nec	Other non-science and engineering	Communication
10.0306	Platemaker/ Imager	2021	Other non-science and engineering	Communication and journalism	Communication and journalism nec	Other non-science and engineering	Communication
10.0307	Printing Press Operator	2021	Other non-science and engineering	Communication and journalism	Communication and journalism nec	Other non-science and engineering	Communication
10.0399	Graphic Communications, Other	2021	Other non-science and engineering	Communication and journalism	Communication and journalism nec	Other non-science and engineering	Communication
10.9999	Communications Technologies and Support Services, Other	2021	Other non-science and engineering	Communication and journalism	Communication and journalism nec	Other non-science and engineering	Communication
16.1202	Ancient/ Classical Greek Language and Literature	2021	Other non-science and engineering	Multidisciplinary/ interdisciplinary studies	Classical and ancient studies	Humanities and arts	Letters
16.1203	Latin Language and Literature	2021	Other non-science and engineering	Multidisciplinary/ interdisciplinary studies	Classical and ancient studies	Humanities and arts	Letters
16.1299	Classics and Classical Languages, Literatures, and Linguistics, Other	2021	Other non-science and engineering	Multidisciplinary/ interdisciplinary studies	Classical and ancient studies	Humanities and arts	Letters
30.2201	Ancient Studies/ Civilization	2021	Other non-science and engineering	Multidisciplinary/ interdisciplinary studies	Classical and ancient studies	Humanities and arts	Letters
30.2202	Classical, Ancient Mediterranean, and Near Eastern Studies and Archaeology	2021	Other non-science and engineering	Multidisciplinary/ interdisciplinary studies	Classical and ancient studies	Humanities and arts	Letters
30.2299	Classical and Ancient Studies, Other	2021	Other non-science and engineering	Multidisciplinary/ interdisciplinary studies	Classical and ancient studies	Humanities and arts	Letters
30.9999f	Interdisciplinary Leadership/ Leadership Studies	2022	Other non-science and engineering	Multidisciplinary/ interdisciplinary studies	Interdisciplinary leadership/ leadership studies	Other non-science and engineering	Non-science and engineering, other
30.2901	Maritime Studies	2021	Other non-science and engineering	Multidisciplinary/ interdisciplinary studies	Multidisciplinary/ interdisciplinary studies nec	Geosciences, atmospheric, and ocean sciences	Ocean, marine, and atmospheric sciences
30.2801	Dispute Resolution	2021	Other non-science and engineering	Multidisciplinary/ interdisciplinary studies	Multidisciplinary/ interdisciplinary studies nec	Psychology	Counseling and applied psychology
30.1202	Cultural Resource Management and Policy Analysis	2021	Other non-science and engineering	Multidisciplinary/ interdisciplinary studies	Multidisciplinary/ interdisciplinary studies nec	Social sciences	Public policy analysis
16.0199b	Translation Studies	2022	Other non-science and engineering	Multidisciplinary/ interdisciplinary studies	Multidisciplinary/ interdisciplinary studies nec	Social sciences	Social sciences, other
30.9999g	Second Language Acquisition	2022	Other non-science and engineering	Multidisciplinary/ interdisciplinary studies	Multidisciplinary/ interdisciplinary studies nec	Education	Teacher education and teaching fields
30.3601	Cultural Studies and Comparative Literature	2021	Other non-science and engineering	Multidisciplinary/ interdisciplinary studies	Multidisciplinary/ interdisciplinary studies nec	Humanities and arts	Letters

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
30.1301	Medieval and Renaissance Studies	2021	Other non-science and engineering	Multidisciplinary/interdisciplinary studies	Multidisciplinary/interdisciplinary studies nec	Humanities and arts	History
30.4501	History and Language/Literature	2021	Other non-science and engineering	Multidisciplinary/interdisciplinary studies	Multidisciplinary/interdisciplinary studies nec	Humanities and arts	History
30.1201	Historic Preservation and Conservation, General	2021	Other non-science and engineering	Multidisciplinary/interdisciplinary studies	Multidisciplinary/interdisciplinary studies nec	Humanities and arts	Humanities and arts, other
30.1299	Historic Preservation and Conservation, Other	2021	Other non-science and engineering	Multidisciplinary/interdisciplinary studies	Multidisciplinary/interdisciplinary studies nec	Humanities and arts	Humanities and arts, other
30.1401	Museology/ Museum Studies	2021	Other non-science and engineering	Multidisciplinary/interdisciplinary studies	Multidisciplinary/interdisciplinary studies nec	Humanities and arts	Humanities and arts, other
30.4501b	African-American/ Black History and Literature	2021	Other non-science and engineering	Multidisciplinary/interdisciplinary studies	Multidisciplinary/interdisciplinary studies nec	Humanities and arts	Humanities and arts, other
30.5201	Digital Humanities and Textual Studies, General	2021	Other non-science and engineering	Multidisciplinary/interdisciplinary studies	Multidisciplinary/interdisciplinary studies nec	Humanities and arts	Humanities and arts, other
30.5202	Digital Humanities	2021	Other non-science and engineering	Multidisciplinary/interdisciplinary studies	Multidisciplinary/interdisciplinary studies nec	Humanities and arts	Humanities and arts, other
30.5203	Textual Studies	2021	Other non-science and engineering	Multidisciplinary/interdisciplinary studies	Multidisciplinary/interdisciplinary studies nec	Humanities and arts	Humanities and arts, other
30.5299	Digital Humanities and Textual Studies, Other	2021	Other non-science and engineering	Multidisciplinary/interdisciplinary studies	Multidisciplinary/interdisciplinary studies nec	Humanities and arts	Humanities and arts, other
24.0101	Liberal Arts and Sciences/ Liberal Studies	2021	Other non-science and engineering	Multidisciplinary/interdisciplinary studies	Multidisciplinary/interdisciplinary studies nec	Other non-science and engineering	Non-science and engineering, other
24.0102	General Studies	2021	Other non-science and engineering	Multidisciplinary/interdisciplinary studies	Multidisciplinary/interdisciplinary studies nec	Other non-science and engineering	Non-science and engineering, other
30.0000	Multi-/ Interdisciplinary Studies, General	2021	Other non-science and engineering	Multidisciplinary/interdisciplinary studies	Multidisciplinary/interdisciplinary studies nec	Other non-science and engineering	Non-science and engineering, other
30.0001	Comprehensive Transition and Postsecondary (CTP) Program	2021	Other non-science and engineering	Multidisciplinary/interdisciplinary studies	Multidisciplinary/interdisciplinary studies nec	Other non-science and engineering	Non-science and engineering, other
30.9999	Multi-/ Interdisciplinary Studies, Other	2021	Other non-science and engineering	Multidisciplinary/interdisciplinary studies	Multidisciplinary/interdisciplinary studies nec	Other non-science and engineering	Non-science and engineering, other
44.0201	Community Organization and Advocacy	2021	Other non-science and engineering	Public administration and social services	Public administration	Other non-science and engineering	Public administration and social services
44.0401	Public Administration	2021	Other non-science and engineering	Public administration and social services	Public administration	Other non-science and engineering	Public administration and social services
44.0402	Public Works Management	2021	Other non-science and engineering	Public administration and social services	Public administration	Other non-science and engineering	Public administration and social services

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
44.0403	Transportation and Infrastructure Planning/ Studies	2021	Other non-science and engineering	Public administration and social services	Public administration	Other non-science and engineering	Public administration and social services
44.0499	Public Administration, Other	2021	Other non-science and engineering	Public administration and social services	Public administration	Other non-science and engineering	Public administration and social services
44.9999b	Public Administration and Policy	2022	Other non-science and engineering	Public administration and social services	Public administration	Other non-science and engineering	Public administration and social services
44.9999b	Public Administration and Policy	2022	Other non-science and engineering	Public administration and social services	Public administration and policy	Other non-science and engineering	Public administration and social services
44.0000	Human Services, General	2021	Other non-science and engineering	Public administration and social services	Social work and human services	Other non-science and engineering	Public administration and social services
44.0701	Social Work	2021	Other non-science and engineering	Public administration and social services	Social work and human services	Other non-science and engineering	Public administration and social services
44.0702	Youth Services/ Administration	2021	Other non-science and engineering	Public administration and social services	Social work and human services	Other non-science and engineering	Public administration and social services
44.0703	Forensic Social Work	2021	Other non-science and engineering	Public administration and social services	Social work and human services	Other non-science and engineering	Public administration and social services
44.0799	Social Work, Other	2021	Other non-science and engineering	Public administration and social services	Social work and human services	Other non-science and engineering	Public administration and social services
44.9999	Public Administration and Social Service Professions, Other	2021	Other non-science and engineering	Public administration and social services	Social work and human services	Other non-science and engineering	Public administration and social services
04.1001	Real Estate Development	2021	Other non-science and engineering	Non-science and engineering, other	Architecture and architectural studies	Social sciences	Social sciences, other
04.0200	Pre-Architecture Studies	2021	Other non-science and engineering	Non-science and engineering, other	Architecture and architectural studies	Other non-science and engineering	Non-science and engineering, other
04.0201	Architecture	2021	Other non-science and engineering	Non-science and engineering, other	Architecture and architectural studies	Other non-science and engineering	Non-science and engineering, other
04.0202	Architectural Design	2021	Other non-science and engineering	Non-science and engineering, other	Architecture and architectural studies	Other non-science and engineering	Non-science and engineering, other
04.0299	Architecture, Other	2021	Other non-science and engineering	Non-science and engineering, other	Architecture and architectural studies	Other non-science and engineering	Non-science and engineering, other

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
04.0401	Environmental Design/ Architecture	2021	Other non-science and engineering	Non-science and engineering, other	Architecture and architectural studies	Other non-science and engineering	Non-science and engineering, other
04.0402	Healthcare Environment Design/ Architecture	2021	Other non-science and engineering	Non-science and engineering, other	Architecture and architectural studies	Other non-science and engineering	Non-science and engineering, other
04.0403	Sustainable Design/ Architecture	2021	Other non-science and engineering	Non-science and engineering, other	Architecture and architectural studies	Other non-science and engineering	Non-science and engineering, other
04.0499	Environmental Design, Other	2021	Other non-science and engineering	Non-science and engineering, other	Architecture and architectural studies	Other non-science and engineering	Non-science and engineering, other
04.0501	Interior Architecture	2021	Other non-science and engineering	Non-science and engineering, other	Architecture and architectural studies	Other non-science and engineering	Non-science and engineering, other
04.0601	Landscape Architecture	2021	Other non-science and engineering	Non-science and engineering, other	Architecture and architectural studies	Other non-science and engineering	Non-science and engineering, other
04.0801	Architectural History and Criticism, General	2021	Other non-science and engineering	Non-science and engineering, other	Architecture and architectural studies	Other non-science and engineering	Non-science and engineering, other
04.0802	Architectural Conservation	2021	Other non-science and engineering	Non-science and engineering, other	Architecture and architectural studies	Other non-science and engineering	Non-science and engineering, other
04.0803	Architectural Studies	2021	Other non-science and engineering	Non-science and engineering, other	Architecture and architectural studies	Other non-science and engineering	Non-science and engineering, other
04.0899	Architectural History, Criticism, and Conservation, Other	2021	Other non-science and engineering	Non-science and engineering, other	Architecture and architectural studies	Other non-science and engineering	Non-science and engineering, other
04.0901	Architectural Technology	2021	Other non-science and engineering	Non-science and engineering, other	Architecture and architectural studies	Other non-science and engineering	Non-science and engineering, other
04.0902	Architectural and Building Sciences/ Technology	2021	Other non-science and engineering	Non-science and engineering, other	Architecture and architectural studies	Other non-science and engineering	Non-science and engineering, other
04.0999	Architectural Sciences and Technology, Other	2021	Other non-science and engineering	Non-science and engineering, other	Architecture and architectural studies	Other non-science and engineering	Non-science and engineering, other
04.9999	Architecture and Related Services, Other	2021	Other non-science and engineering	Non-science and engineering, other	Architecture and architectural studies	Other non-science and engineering	Non-science and engineering, other
04.0301	City/ Urban, Community, and Regional Planning	2021	Other non-science and engineering	Non-science and engineering, other	City/ urban, community, and regional planning	Social sciences	Social sciences, other
19.0504	Human Nutrition	2021	Other non-science and engineering	Non-science and engineering, other	Family, consumer, and human sciences	Biological and biomedical sciences	Biology and biomedical sciences, other
19.0704	Family Systems	2021	Other non-science and engineering	Non-science and engineering, other	Family, consumer, and human sciences	Psychology	Psychology, other
19.0711	Early Childhood and Family Studies	2021	Other non-science and engineering	Non-science and engineering, other	Family, consumer, and human sciences	Psychology	Psychology, other

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
19.1001	Work and Family Studies	2021	Other non-science and engineering	Non-science and engineering, other	Family, consumer, and human sciences	Psychology	Psychology, other
19.0101	Family and Consumer Sciences/ Human Sciences, General	2021	Other non-science and engineering	Non-science and engineering, other	Family, consumer, and human sciences	Other non-science and engineering	Non-science and engineering, other
19.0201	Business Family and Consumer Sciences/ Human Sciences	2021	Other non-science and engineering	Non-science and engineering, other	Family, consumer, and human sciences	Other non-science and engineering	Non-science and engineering, other
19.0202	Family and Consumer Sciences/ Human Sciences Communication	2021	Other non-science and engineering	Non-science and engineering, other	Family, consumer, and human sciences	Other non-science and engineering	Non-science and engineering, other
19.0203	Consumer Merchandising/ Retailing Management	2021	Other non-science and engineering	Non-science and engineering, other	Family, consumer, and human sciences	Other non-science and engineering	Non-science and engineering, other
19.0299	Family and Consumer Sciences/ Human Sciences Business Services, Other	2021	Other non-science and engineering	Non-science and engineering, other	Family, consumer, and human sciences	Other non-science and engineering	Non-science and engineering, other
19.0401	Family Resource Management Studies, General	2021	Other non-science and engineering	Non-science and engineering, other	Family, consumer, and human sciences	Other non-science and engineering	Non-science and engineering, other
19.0402	Consumer Economics	2021	Other non-science and engineering	Non-science and engineering, other	Family, consumer, and human sciences	Other non-science and engineering	Non-science and engineering, other
19.0403	Consumer Services and Advocacy	2021	Other non-science and engineering	Non-science and engineering, other	Family, consumer, and human sciences	Other non-science and engineering	Non-science and engineering, other
19.0499	Family and Consumer Economics and Related Services, Other	2021	Other non-science and engineering	Non-science and engineering, other	Family, consumer, and human sciences	Other non-science and engineering	Non-science and engineering, other
19.0501	Foods, Nutrition, and Wellness Studies, General	2021	Other non-science and engineering	Non-science and engineering, other	Family, consumer, and human sciences	Other non-science and engineering	Non-science and engineering, other
19.0505	Foodservice Systems Administration/ Management	2021	Other non-science and engineering	Non-science and engineering, other	Family, consumer, and human sciences	Other non-science and engineering	Non-science and engineering, other
19.0599	Foods, Nutrition, and Related Services, Other	2021	Other non-science and engineering	Non-science and engineering, other	Family, consumer, and human sciences	Other non-science and engineering	Non-science and engineering, other
19.0601	Housing and Human Environments, General	2021	Other non-science and engineering	Non-science and engineering, other	Family, consumer, and human sciences	Other non-science and engineering	Non-science and engineering, other
19.0604	Facilities Planning and Management	2021	Other non-science and engineering	Non-science and engineering, other	Family, consumer, and human sciences	Other non-science and engineering	Non-science and engineering, other
19.0605	Home Furnishings and Equipment Installers	2021	Other non-science and engineering	Non-science and engineering, other	Family, consumer, and human sciences	Other non-science and engineering	Non-science and engineering, other
19.0699	Housing and Human Environments, Other	2021	Other non-science and engineering	Non-science and engineering, other	Family, consumer, and human sciences	Other non-science and engineering	Non-science and engineering, other
19.0707	Family and Community Services	2021	Other non-science and engineering	Non-science and engineering, other	Family, consumer, and human sciences	Other non-science and engineering	Non-science and engineering, other

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
19.0708	Child Care and Support Services Management	2021	Other non-science and engineering	Non-science and engineering, other	Family, consumer, and human sciences	Other non-science and engineering	Non-science and engineering, other
19.0709	Child Care Provider/ Assistant	2021	Other non-science and engineering	Non-science and engineering, other	Family, consumer, and human sciences	Other non-science and engineering	Non-science and engineering, other
19.0710	Developmental Services Worker	2021	Other non-science and engineering	Non-science and engineering, other	Family, consumer, and human sciences	Other non-science and engineering	Non-science and engineering, other
19.0712	Parent Education Services	2021	Other non-science and engineering	Non-science and engineering, other	Family, consumer, and human sciences	Other non-science and engineering	Non-science and engineering, other
19.0799	Human Development, Family Studies, and Related Services, Other	2021	Other non-science and engineering	Non-science and engineering, other	Family, consumer, and human sciences	Other non-science and engineering	Non-science and engineering, other
19.0901	Apparel and Textiles, General	2021	Other non-science and engineering	Non-science and engineering, other	Family, consumer, and human sciences	Other non-science and engineering	Non-science and engineering, other
19.0902	Apparel and Textile Manufacture	2021	Other non-science and engineering	Non-science and engineering, other	Family, consumer, and human sciences	Other non-science and engineering	Non-science and engineering, other
19.0904	Textile Science	2021	Other non-science and engineering	Non-science and engineering, other	Family, consumer, and human sciences	Other non-science and engineering	Non-science and engineering, other
19.0905	Apparel and Textile Marketing Management	2021	Other non-science and engineering	Non-science and engineering, other	Family, consumer, and human sciences	Other non-science and engineering	Non-science and engineering, other
19.0906	Fashion and Fabric Consultant	2021	Other non-science and engineering	Non-science and engineering, other	Family, consumer, and human sciences	Other non-science and engineering	Non-science and engineering, other
19.0999	Apparel and Textiles, Other	2021	Other non-science and engineering	Non-science and engineering, other	Family, consumer, and human sciences	Other non-science and engineering	Non-science and engineering, other
19.9999	Family and Consumer Sciences/ Human Sciences, Other	2021	Other non-science and engineering	Non-science and engineering, other	Family, consumer, and human sciences	Other non-science and engineering	Non-science and engineering, other
43.0100	Criminal Justice and Corrections, General	2021	Other non-science and engineering	Non-science and engineering, other	Homeland security and protective services	Social sciences	Social sciences, other
43.0102	Corrections	2021	Other non-science and engineering	Non-science and engineering, other	Homeland security and protective services	Social sciences	Social sciences, other
43.0103	Criminal Justice/ Law Enforcement Administration	2021	Other non-science and engineering	Non-science and engineering, other	Homeland security and protective services	Social sciences	Social sciences, other
43.0107	Criminal Justice/ Police Science	2021	Other non-science and engineering	Non-science and engineering, other	Homeland security and protective services	Social sciences	Social sciences, other
43.0109	Security and Loss Prevention Services	2021	Other non-science and engineering	Non-science and engineering, other	Homeland security and protective services	Social sciences	Social sciences, other
43.0110	Juvenile Corrections	2021	Other non-science and engineering	Non-science and engineering, other	Homeland security and protective services	Social sciences	Social sciences, other

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
43.0112	Securities Services Administration/ Management	2021	Other non-science and engineering	Non-science and engineering, other	Homeland security and protective services	Social sciences	Social sciences, other
43.0113	Corrections Administration	2021	Other non-science and engineering	Non-science and engineering, other	Homeland security and protective services	Social sciences	Social sciences, other
43.0114	Law Enforcement Investigation and Interviewing	2021	Other non-science and engineering	Non-science and engineering, other	Homeland security and protective services	Social sciences	Social sciences, other
43.0115	Law Enforcement Record-Keeping and Evidence Management	2021	Other non-science and engineering	Non-science and engineering, other	Homeland security and protective services	Social sciences	Social sciences, other
43.0119	Critical Incident Response/ Special Police Operations	2021	Other non-science and engineering	Non-science and engineering, other	Homeland security and protective services	Social sciences	Social sciences, other
43.0120	Protective Services Operations	2021	Other non-science and engineering	Non-science and engineering, other	Homeland security and protective services	Social sciences	Social sciences, other
43.0121	Suspension and Debarment Investigation	2021	Other non-science and engineering	Non-science and engineering, other	Homeland security and protective services	Social sciences	Social sciences, other
43.0122	Maritime Law Enforcement	2021	Other non-science and engineering	Non-science and engineering, other	Homeland security and protective services	Social sciences	Social sciences, other
43.0123	Cultural/ Archaeological Resources Protection	2021	Other non-science and engineering	Non-science and engineering, other	Homeland security and protective services	Social sciences	Social sciences, other
43.0199	Corrections and Criminal Justice, Other	2021	Other non-science and engineering	Non-science and engineering, other	Homeland security and protective services	Social sciences	Social sciences, other
43.0201	Fire Prevention and Safety Technology	2021	Other non-science and engineering	Non-science and engineering, other	Homeland security and protective services	Social sciences	Social sciences, other
43.0203	Fire Science/ Fire-fighting	2021	Other non-science and engineering	Non-science and engineering, other	Homeland security and protective services	Social sciences	Social sciences, other
43.0204	Fire Systems Technology	2021	Other non-science and engineering	Non-science and engineering, other	Homeland security and protective services	Social sciences	Social sciences, other
43.0205	Fire/ Arson Investigation and Prevention	2021	Other non-science and engineering	Non-science and engineering, other	Homeland security and protective services	Social sciences	Social sciences, other
43.0206	Wildland/ Forest Firefighting and Investigation	2021	Other non-science and engineering	Non-science and engineering, other	Homeland security and protective services	Social sciences	Social sciences, other
43.0299	Fire Protection, Other	2021	Other non-science and engineering	Non-science and engineering, other	Homeland security and protective services	Social sciences	Social sciences, other
43.0301	Homeland Security	2021	Other non-science and engineering	Non-science and engineering, other	Homeland security and protective services	Social sciences	Social sciences, other
43.0302	Crisis/ Emergency/ Disaster Management	2021	Other non-science and engineering	Non-science and engineering, other	Homeland security and protective services	Social sciences	Social sciences, other

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
43.0303	Critical Infrastructure Protection	2021	Other non-science and engineering	Non-science and engineering, other	Homeland security and protective services	Social sciences	Social sciences, other
43.0304	Terrorism and Counterterrorism Operations	2021	Other non-science and engineering	Non-science and engineering, other	Homeland security and protective services	Social sciences	Social sciences, other
43.0399	Homeland Security, Other	2021	Other non-science and engineering	Non-science and engineering, other	Homeland security and protective services	Social sciences	Social sciences, other
43.0401	Security Science and Technology, General	2021	Other non-science and engineering	Non-science and engineering, other	Homeland security and protective services	Social sciences	Social sciences, other
43.0402	Criminalistics and Criminal Science	2021	Other non-science and engineering	Non-science and engineering, other	Homeland security and protective services	Social sciences	Social sciences, other
43.0403	Cyber/ Computer Forensics and Counterterrorism	2021	Other non-science and engineering	Non-science and engineering, other	Homeland security and protective services	Social sciences	Social sciences, other
43.0404	Cybersecurity Defense Strategy/ Policy	2021	Other non-science and engineering	Non-science and engineering, other	Homeland security and protective services	Social sciences	Social sciences, other
43.0405	Financial Forensics and Fraud Investigation	2021	Other non-science and engineering	Non-science and engineering, other	Homeland security and protective services	Social sciences	Social sciences, other
43.0406	Forensic Science and Technology	2021	Other non-science and engineering	Non-science and engineering, other	Homeland security and protective services	Social sciences	Social sciences, other
43.0407	Geospatial Intelligence	2021	Other non-science and engineering	Non-science and engineering, other	Homeland security and protective services	Social sciences	Social sciences, other
43.0408	Law Enforcement Intelligence Analysis	2021	Other non-science and engineering	Non-science and engineering, other	Homeland security and protective services	Social sciences	Social sciences, other
43.0499	Security Science and Technology, Other	2021	Other non-science and engineering	Non-science and engineering, other	Homeland security and protective services	Social sciences	Social sciences, other
43.9999	Homeland Security, Law Enforcement, Firefighting and Related Protective Services, Other	2021	Other non-science and engineering	Non-science and engineering, other	Homeland security and protective services	Social sciences	Social sciences, other
43.0202	Fire Services Administration	2021	Other non-science and engineering	Non-science and engineering, other	Homeland security and protective services	Other non-science and engineering	Public administration and social services
22.0000	Legal Studies	2021	Other non-science and engineering	Non-science and engineering, other	Law/ legal studies and research	Other non-science and engineering	Non-science and engineering, other
22.0001	Pre-Law Studies	2021	Other non-science and engineering	Non-science and engineering, other	Law/ legal studies and research	Other non-science and engineering	Non-science and engineering, other
22.0099	Non-Professional Legal Studies, Other	2021	Other non-science and engineering	Non-science and engineering, other	Law/ legal studies and research	Other non-science and engineering	Non-science and engineering, other
22.0101	Law	2021	Other non-science and engineering	Non-science and engineering, other	Law/ legal studies and research	Other non-science and engineering	Non-science and engineering, other

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
22.0201	Advanced Legal Research/ Studies, General	2021	Other non-science and engineering	Non-science and engineering, other	Law/ legal studies and research	Other non-science and engineering	Non-science and engineering, other
22.0202	Programs for Foreign Lawyers	2021	Other non-science and engineering	Non-science and engineering, other	Law/ legal studies and research	Other non-science and engineering	Non-science and engineering, other
22.0203	American/ U.S. Law/ Legal Studies/ Jurisprudence	2021	Other non-science and engineering	Non-science and engineering, other	Law/ legal studies and research	Other non-science and engineering	Non-science and engineering, other
22.0204	Canadian Law/ Legal Studies/ Jurisprudence	2021	Other non-science and engineering	Non-science and engineering, other	Law/ legal studies and research	Other non-science and engineering	Non-science and engineering, other
22.0205	Banking, Corporate, Finance, and Securities Law	2021	Other non-science and engineering	Non-science and engineering, other	Law/ legal studies and research	Other non-science and engineering	Non-science and engineering, other
22.0206	Comparative Law	2021	Other non-science and engineering	Non-science and engineering, other	Law/ legal studies and research	Other non-science and engineering	Non-science and engineering, other
22.0207	Energy, Environment, and Natural Resources Law	2021	Other non-science and engineering	Non-science and engineering, other	Law/ legal studies and research	Other non-science and engineering	Non-science and engineering, other
22.0208	Health Law	2021	Other non-science and engineering	Non-science and engineering, other	Law/ legal studies and research	Other non-science and engineering	Non-science and engineering, other
22.0209	International Law and Legal Studies	2021	Other non-science and engineering	Non-science and engineering, other	Law/ legal studies and research	Other non-science and engineering	Non-science and engineering, other
22.0210	International Business, Trade, and Tax Law	2021	Other non-science and engineering	Non-science and engineering, other	Law/ legal studies and research	Other non-science and engineering	Non-science and engineering, other
22.0211	Tax Law/ Taxation	2021	Other non-science and engineering	Non-science and engineering, other	Law/ legal studies and research	Other non-science and engineering	Non-science and engineering, other
22.0212	Intellectual Property Law	2021	Other non-science and engineering	Non-science and engineering, other	Law/ legal studies and research	Other non-science and engineering	Non-science and engineering, other
22.0213	Patent Law	2021	Other non-science and engineering	Non-science and engineering, other	Law/ legal studies and research	Other non-science and engineering	Non-science and engineering, other
22.0214	Agriculture Law	2021	Other non-science and engineering	Non-science and engineering, other	Law/ legal studies and research	Other non-science and engineering	Non-science and engineering, other
22.0215	Arts and Entertainment Law	2021	Other non-science and engineering	Non-science and engineering, other	Law/ legal studies and research	Other non-science and engineering	Non-science and engineering, other
22.0216	Compliance Law	2021	Other non-science and engineering	Non-science and engineering, other	Law/ legal studies and research	Other non-science and engineering	Non-science and engineering, other
22.0217	Criminal Law and Procedure	2021	Other non-science and engineering	Non-science and engineering, other	Law/ legal studies and research	Other non-science and engineering	Non-science and engineering, other
22.0218	Entrepreneurship Law	2021	Other non-science and engineering	Non-science and engineering, other	Law/ legal studies and research	Other non-science and engineering	Non-science and engineering, other

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
22.0219	Family/ Child/ Elder Law	2021	Other non-science and engineering	Non-science and engineering, other	Law/ legal studies and research	Other non-science and engineering	Non-science and engineering, other
22.0220	Human Resources Law	2021	Other non-science and engineering	Non-science and engineering, other	Law/ legal studies and research	Other non-science and engineering	Non-science and engineering, other
22.0221	Insurance Law	2021	Other non-science and engineering	Non-science and engineering, other	Law/ legal studies and research	Other non-science and engineering	Non-science and engineering, other
22.0222	Real Estate and Land Development Law	2021	Other non-science and engineering	Non-science and engineering, other	Law/ legal studies and research	Other non-science and engineering	Non-science and engineering, other
22.0223	Transportation Law	2021	Other non-science and engineering	Non-science and engineering, other	Law/ legal studies and research	Other non-science and engineering	Non-science and engineering, other
22.0224	Tribal/ Indigenous Law	2021	Other non-science and engineering	Non-science and engineering, other	Law/ legal studies and research	Other non-science and engineering	Non-science and engineering, other
22.0299	Legal Research and Advanced Professional Studies, Other	2021	Other non-science and engineering	Non-science and engineering, other	Law/ legal studies and research	Other non-science and engineering	Non-science and engineering, other
22.0301	Legal Administrative Assistant/ Secretary	2021	Other non-science and engineering	Non-science and engineering, other	Law/ legal studies and research	Other non-science and engineering	Non-science and engineering, other
22.0302	Legal Assistant/ Paralegal	2021	Other non-science and engineering	Non-science and engineering, other	Law/ legal studies and research	Other non-science and engineering	Non-science and engineering, other
22.0303	Court Reporting and Captioning/ Court Reporter	2021	Other non-science and engineering	Non-science and engineering, other	Law/ legal studies and research	Other non-science and engineering	Non-science and engineering, other
22.0304	Court Interpreter	2021	Other non-science and engineering	Non-science and engineering, other	Law/ legal studies and research	Other non-science and engineering	Non-science and engineering, other
22.0305	Scopist	2021	Other non-science and engineering	Non-science and engineering, other	Law/ legal studies and research	Other non-science and engineering	Non-science and engineering, other
22.0399	Legal Support Services, Other	2021	Other non-science and engineering	Non-science and engineering, other	Law/ legal studies and research	Other non-science and engineering	Non-science and engineering, other
22.9999	Legal Professions and Studies, Other	2021	Other non-science and engineering	Non-science and engineering, other	Law/ legal studies and research	Other non-science and engineering	Non-science and engineering, other
31.0501	Sports, Kinesiology, and Physical Education/ Fitness, General	2021	Other non-science and engineering	Non-science and engineering, other	Parks, recreation, leisure, fitness, and sport studies and management	Health sciences	Health sciences, other
31.0599	Sports, Kinesiology, and Physical Education/ Fitness, Other	2021	Other non-science and engineering	Non-science and engineering, other	Parks, recreation, leisure, fitness, and sport studies and management	Health sciences	Health sciences, other
31.9999	Parks, Recreation, Leisure, Fitness, and Kinesiology, Other	2021	Other non-science and engineering	Non-science and engineering, other	Parks, recreation, leisure, fitness, and sport studies and management	Health sciences	Health sciences, other

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
31.0101	Parks, Recreation, and Leisure Studies	2021	Other non-science and engineering	Non-science and engineering, other	Parks, recreation, leisure, fitness, and sport studies and management	Other non-science and engineering	Non-science and engineering, other
31.0301	Parks, Recreation, and Leisure Facilities Management, General	2021	Other non-science and engineering	Non-science and engineering, other	Parks, recreation, leisure, fitness, and sport studies and management	Other non-science and engineering	Non-science and engineering, other
31.0302	Golf Course Operation and Grounds Management	2021	Other non-science and engineering	Non-science and engineering, other	Parks, recreation, leisure, fitness, and sport studies and management	Other non-science and engineering	Non-science and engineering, other
31.0399	Parks, Recreation, and Leisure Facilities Management, Other	2021	Other non-science and engineering	Non-science and engineering, other	Parks, recreation, leisure, fitness, and sport studies and management	Other non-science and engineering	Non-science and engineering, other
31.0504	Sport and Fitness Administration/ Management	2021	Other non-science and engineering	Non-science and engineering, other	Parks, recreation, leisure, fitness, and sport studies and management	Other non-science and engineering	Non-science and engineering, other
31.0507	Physical Fitness Technician	2021	Other non-science and engineering	Non-science and engineering, other	Parks, recreation, leisure, fitness, and sport studies and management	Other non-science and engineering	Non-science and engineering, other
31.0508	Sports Studies	2021	Other non-science and engineering	Non-science and engineering, other	Parks, recreation, leisure, fitness, and sport studies and management	Other non-science and engineering	Non-science and engineering, other
31.0601	Outdoor Education	2021	Other non-science and engineering	Non-science and engineering, other	Parks, recreation, leisure, fitness, and sport studies and management	Other non-science and engineering	Non-science and engineering, other
01.0505	Animal Training	2021	Other non-science and engineering	Non-science and engineering, other	Other non-science and engineering nec	Agricultural sciences and natural resources	Agricultural sciences
01.0507	Equestrian/ Equine Studies	2021	Other non-science and engineering	Non-science and engineering, other	Other non-science and engineering nec	Agricultural sciences and natural resources	Agricultural sciences
01.0509	Farrier Science	2021	Other non-science and engineering	Non-science and engineering, other	Other non-science and engineering nec	Agricultural sciences and natural resources	Agricultural sciences
01.0599	Agricultural and Domestic Animal Services, Other	2021	Other non-science and engineering	Non-science and engineering, other	Other non-science and engineering nec	Agricultural sciences and natural resources	Agricultural sciences
01.8201	Veterinary Administrative Services, General	2021	Other non-science and engineering	Non-science and engineering, other	Other non-science and engineering nec	Agricultural sciences and natural resources	Agricultural sciences
01.8202	Veterinary Office Management/ Administration	2021	Other non-science and engineering	Non-science and engineering, other	Other non-science and engineering nec	Agricultural sciences and natural resources	Agricultural sciences

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
01.8203	Veterinary Reception/ Receptionist	2021	Other non-science and engineering	Non-science and engineering, other	Other non-science and engineering nec	Agricultural sciences and natural resources	Agricultural sciences
01.8204	Veterinary Administrative/ Executive Assistant and Veterinary Secretary	2021	Other non-science and engineering	Non-science and engineering, other	Other non-science and engineering nec	Agricultural sciences and natural resources	Agricultural sciences
01.8299	Veterinary Administrative Services, Other	2021	Other non-science and engineering	Non-science and engineering, other	Other non-science and engineering nec	Agricultural sciences and natural resources	Agricultural sciences
29.0207	Cyber/ Electronic Operations and Warfare (MILITARY)	2021	Other non-science and engineering	Non-science and engineering, other	Other non-science and engineering nec	Computer and information sciences	Computer and information sciences, other
29.0299	Intelligence, Command Control and Information Operations, Other (MILITARY)	2021	Other non-science and engineering	Non-science and engineering, other	Other non-science and engineering nec	Computer and information sciences	Computer and information sciences, other
29.0406	Military Information Systems Technology	2021	Other non-science and engineering	Non-science and engineering, other	Other non-science and engineering nec	Computer and information sciences	Computer and information sciences, other
29.0305	Space Systems Operations (MILITARY)	2021	Other non-science and engineering	Non-science and engineering, other	Other non-science and engineering nec	Engineering	Aerospace, aeronautical, and astronautical engineering
29.0401	Aerospace Ground Equipment Technology (MILITARY)	2021	Other non-science and engineering	Non-science and engineering, other	Other non-science and engineering nec	Engineering	Aerospace, aeronautical, and astronautical engineering
29.0402	Air and Space Operations Technology (MILITARY)	2021	Other non-science and engineering	Non-science and engineering, other	Other non-science and engineering nec	Engineering	Aerospace, aeronautical, and astronautical engineering
29.0403	Aircraft Armament Systems Technology (MILITARY)	2021	Other non-science and engineering	Non-science and engineering, other	Other non-science and engineering nec	Engineering	Aerospace, aeronautical, and astronautical engineering
29.0407	Missile and Space Systems Technology	2021	Other non-science and engineering	Non-science and engineering, other	Other non-science and engineering nec	Engineering	Aerospace, aeronautical, and astronautical engineering
29.0409	Radar Communications and Systems Technology (MILITARY)	2021	Other non-science and engineering	Non-science and engineering, other	Other non-science and engineering nec	Engineering	Electrical and computer engineering
29.0301	Combat Systems Engineering (MILITARY)	2021	Other non-science and engineering	Non-science and engineering, other	Other non-science and engineering nec	Engineering	Industrial engineering and operations research
29.0302	Directed Energy Systems (MILITARY)	2021	Other non-science and engineering	Non-science and engineering, other	Other non-science and engineering nec	Engineering	Engineering, other

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
29.0303	Engineering Acoustics (MILITARY)	2021	Other non-science and engineering	Non-science and engineering, other	Other non-science and engineering nec	Engineering	Engineering, other
29.0304	Low-Observables and Stealth Technology (MILITARY)	2021	Other non-science and engineering	Non-science and engineering, other	Other non-science and engineering nec	Engineering	Engineering, other
29.0408	Munitions Systems/ Ordnance Technology (MILITARY)	2021	Other non-science and engineering	Non-science and engineering, other	Other non-science and engineering nec	Engineering	Engineering, other
29.0306	Operational Oceanography (MILITARY)	2021	Other non-science and engineering	Non-science and engineering, other	Other non-science and engineering nec	Geosciences, atmospheric, and ocean sciences	Ocean, marine, and atmospheric sciences
29.0206	Information/ Psychological Warfare and Military Media Relations	2021	Other non-science and engineering	Non-science and engineering, other	Other non-science and engineering nec	Psychology	Psychology, other
29.0201	Intelligence, General (MILITARY)	2021	Other non-science and engineering	Non-science and engineering, other	Other non-science and engineering nec	Social sciences	Social sciences, other
29.0202	Strategic Intelligence (MILITARY)	2021	Other non-science and engineering	Non-science and engineering, other	Other non-science and engineering nec	Social sciences	Social sciences, other
29.0203	Signal/ Geospatial Intelligence (MILITARY)	2021	Other non-science and engineering	Non-science and engineering, other	Other non-science and engineering nec	Social sciences	Social sciences, other
29.0205	Information Operations/ Joint Information Operations (MILITARY)	2021	Other non-science and engineering	Non-science and engineering, other	Other non-science and engineering nec	Social sciences	Social sciences, other
29.0404	Explosive Ordnance/ Bomb Disposal (MILITARY)	2021	Other non-science and engineering	Non-science and engineering, other	Other non-science and engineering nec	Social sciences	Social sciences, other
01.0504	Dog/ Pet/ Animal Grooming	2021	Other non-science and engineering	Non-science and engineering, other	Other non-science and engineering nec	Other non-science and engineering	Non-science and engineering, other
01.0508	Taxidermy/ Taxidermist	2021	Other non-science and engineering	Non-science and engineering, other	Other non-science and engineering nec	Other non-science and engineering	Non-science and engineering, other
25.0101	Library and Information Science	2021	Other non-science and engineering	Non-science and engineering, other	Other non-science and engineering nec	Other non-science and engineering	Non-science and engineering, other
25.0102	Children and Youth Library Services	2021	Other non-science and engineering	Non-science and engineering, other	Other non-science and engineering nec	Other non-science and engineering	Non-science and engineering, other
25.0103	Archives/ Archival Administration	2021	Other non-science and engineering	Non-science and engineering, other	Other non-science and engineering nec	Other non-science and engineering	Non-science and engineering, other
25.0199	Library Science and Administration, Other	2021	Other non-science and engineering	Non-science and engineering, other	Other non-science and engineering nec	Other non-science and engineering	Non-science and engineering, other
25.0301	Library and Archives Assisting	2021	Other non-science and engineering	Non-science and engineering, other	Other non-science and engineering nec	Other non-science and engineering	Non-science and engineering, other
25.9999	Library Science, Other	2021	Other non-science and engineering	Non-science and engineering, other	Other non-science and engineering nec	Other non-science and engineering	Non-science and engineering, other

Table A-5. Doctoral SED-CIP code to current and trend field taxonomies: 2025

(Field)

SED-CIP code	SED-CIP title	Start year	Current field taxonomy (2021 and later)			Trend fields for comparisons between 2021 and later data with pre-2021 data	
			Broad field	Major field	Detailed field	Trend broad field	Trend major field
29.0204	Command & Control (C3, C4I) Systems and Operations (MILITARY)	2021	Other non-science and engineering	Non-science and engineering, other	Other non-science and engineering nec	Other non-science and engineering	Non-science and engineering, other
29.0307	Undersea Warfare (MILITARY)	2021	Other non-science and engineering	Non-science and engineering, other	Other non-science and engineering nec	Other non-science and engineering	Non-science and engineering, other
29.0399	Military Applied Sciences, Other	2021	Other non-science and engineering	Non-science and engineering, other	Other non-science and engineering nec	Other non-science and engineering	Non-science and engineering, other
29.0405	Joint Command/ Task Force (C3, C4I) Systems (MILITARY)	2021	Other non-science and engineering	Non-science and engineering, other	Other non-science and engineering nec	Other non-science and engineering	Non-science and engineering, other
29.0499	Military Systems and Maintenance Technology, Other	2021	Other non-science and engineering	Non-science and engineering, other	Other non-science and engineering nec	Other non-science and engineering	Non-science and engineering, other
29.0601	Military Technology and Applied Sciences Management	2021	Other non-science and engineering	Non-science and engineering, other	Other non-science and engineering nec	Other non-science and engineering	Non-science and engineering, other
29.9999	Military Technologies and Applied Sciences, Other	2021	Other non-science and engineering	Non-science and engineering, other	Other non-science and engineering nec	Other non-science and engineering	Non-science and engineering, other

CIP = Classification of Instructional Programs; nec = not elsewhere classified; SED = Survey of Earned Doctorates; STEM = science, technology, engineering, and mathematics.

Note(s):

This table provides the mapping of the modified 2020 Classification of Instructional Programs (CIP) codes in the SED (SED-CIP) to the SED-CIP based field taxonomy used since 2021, and SED multiyear trend field taxonomy that facilitates comparisons with pre-2021 data. 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.

Table A-6. Historical SED-FOS code crosswalk to trend broad and major fields for data collected prior to SED 2021: 2025

(Field)

Historical SED-FOS code	Historical SED field of study	First year	Last year	Trend broad field	Trend major field
025	Agricultural and horticultural plant breeding	1983	2020	Agricultural sciences and natural resources	Agricultural sciences
005	Agricultural animal breeding	1983	2014	Agricultural sciences and natural resources	Agricultural sciences
002	Agricultural business and management	1988	2004	Agricultural sciences and natural resources	Agricultural sciences
000	Agricultural economics	1972	2020	Agricultural sciences and natural resources	Agricultural sciences
099	Agricultural sciences/ natural resources, other	1958	2020	Agricultural sciences and natural resources	Agricultural sciences
020	Agronomy and crop science	1958	2020	Agricultural sciences and natural resources	Agricultural sciences
007	Animal husbandry	1958	1983	Agricultural sciences and natural resources	Agricultural sciences
010	Animal nutrition	1973	2020	Agricultural sciences and natural resources	Agricultural sciences
014	Animal science, poultry or avian	1988	2020	Agricultural sciences and natural resources	Agricultural sciences
019	Animal sciences, other	1983	2020	Agricultural sciences and natural resources	Agricultural sciences
012	Dairy science	1988	2004	Agricultural sciences and natural resources	Agricultural sciences
042	Food distribution	1988	1995	Agricultural sciences and natural resources	Agricultural sciences
043	Food science	1988	2020	Agricultural sciences and natural resources	Agricultural sciences
044	Food science and technology, other	1988	2020	Agricultural sciences and natural resources	Agricultural sciences
040	Food sciences	1972	1988	Agricultural sciences and natural resources	Agricultural sciences
050	Horticulture science	1958	2020	Agricultural sciences and natural resources	Agricultural sciences
030	Plant pathology/ phytopathology (agricultural sciences)	1958	2020	Agricultural sciences and natural resources	Agricultural sciences
032	Plant protection, pest management	1988	1991	Agricultural sciences and natural resources	Agricultural sciences
039	Plant sciences, other	1983	2020	Agricultural sciences and natural resources	Agricultural sciences
046	Soil chemistry/ microbiology	1988	2020	Agricultural sciences and natural resources	Agricultural sciences
045	Soil sciences	1972	1988	Agricultural sciences and natural resources	Agricultural sciences
049	Soil sciences, other	1988	2020	Agricultural sciences and natural resources	Agricultural sciences
250	Veterinary sciences	1958	2020	Agricultural sciences and natural resources	Agricultural sciences
098	Agricultural sciences/ natural resources, general	1958	2020	Agricultural sciences and natural resources	Natural resources and conservation
081	Environmental science	2004	2020	Agricultural sciences and natural resources	Natural resources and conservation
580	Environmental science	1973	2004	Agricultural sciences and natural resources	Natural resources and conservation
054	Fish and wildlife	1958	1983	Agricultural sciences and natural resources	Natural resources and conservation
055	Fishing and fisheries sciences/ management	1983	2020	Agricultural sciences and natural resources	Natural resources and conservation

Table A-6. Historical SED-FOS code crosswalk to trend broad and major fields for data collected prior to SED 2021: 2025

(Field)

Historical SED-FOS code	Historical SED field of study	First year	Last year	Trend broad field	Trend major field
068	Forest engineering	1988	2004	Agricultural sciences and natural resources	Natural resources and conservation
066	Forest sciences and biology	1988	2020	Agricultural sciences and natural resources	Natural resources and conservation
070	Forest/ forest resources management	1988	2020	Agricultural sciences and natural resources	Natural resources and conservation
065	Forestry science	1958	1988	Agricultural sciences and natural resources	Natural resources and conservation
079	Forestry, other	1988	2020	Agricultural sciences and natural resources	Natural resources and conservation
685	Natural resource/ environmental policy	2014	2020	Agricultural sciences and natural resources	Natural resources and conservation
074	Natural resources and conservation	1988	2020	Agricultural sciences and natural resources	Natural resources and conservation
003	Natural resources/ environmental economics (agricultural sciences)	2012	2020	Agricultural sciences and natural resources	Natural resources and conservation
060	Wildlife management	1983	1988	Agricultural sciences and natural resources	Natural resources and conservation
080	Wildlife/ range management	1988	2020	Agricultural sciences and natural resources	Natural resources and conservation
072	Wood science, pulp and paper technology	1989	2018	Agricultural sciences and natural resources	Natural resources and conservation
100	Biochemistry (biological sciences)	1958	2020	Biological and biomedical sciences	Biochemistry and biophysics
105	Biophysics (biological sciences)	1958	2020	Biological and biomedical sciences	Biochemistry and biophysics
102	Bioinformatics	2007	2020	Biological and biomedical sciences	Bioinformatics, biostatistics, and computational biology
133	Biometrics and biostatistics	1958	2020	Biological and biomedical sciences	Bioinformatics, biostatistics, and computational biology
104	Computational biology	2010	2020	Biological and biomedical sciences	Bioinformatics, biostatistics, and computational biology
198	Biological and biomedical sciences, general	1958	2020	Biological and biomedical sciences	Biology and biomedical sciences, general
103	Biomedical sciences	1995	2020	Biological and biomedical sciences	Biology and biomedical sciences, general
130	Anatomy	1958	2020	Biological and biomedical sciences	Cellular and developmental biology, and anatomy
136	Cell/ cellular biology and histology	1963	2020	Biological and biomedical sciences	Cellular and developmental biology, and anatomy
142	Developmental biology and embryology	1963	2020	Biological and biomedical sciences	Cellular and developmental biology, and anatomy
155	Structural biology	2010	2020	Biological and biomedical sciences	Cellular and developmental biology, and anatomy
139	Ecology	1958	2020	Biological and biomedical sciences	Ecology, evolutionary biology, and epidemiology
134	Epidemiology	2014	2020	Biological and biomedical sciences	Ecology, evolutionary biology, and epidemiology
220	Epidemiology	1983	2014	Biological and biomedical sciences	Ecology, evolutionary biology, and epidemiology
137	Evolutionary biology	2007	2020	Biological and biomedical sciences	Ecology, evolutionary biology, and epidemiology
171	Genetics	1958	1983	Biological and biomedical sciences	Genetics and genomics
170	Genetics/ genomics, human and animal	1983	2020	Biological and biomedical sciences	Genetics and genomics

Table A-6. Historical SED-FOS code crosswalk to trend broad and major fields for data collected prior to SED 2021: 2025

(Field)

Historical SED-FOS code	Historical SED field of study	First year	Last year	Trend broad field	Trend major field
110	Bacteriology	1983	2020	Biological and biomedical sciences	Microbiology and immunology
151	Immunology	1973	2020	Biological and biomedical sciences	Microbiology and immunology
157	Microbiology	1983	2020	Biological and biomedical sciences	Microbiology and immunology
156	Microbiology and bacteriology	1958	1983	Biological and biomedical sciences	Microbiology and immunology
166	Parasitology	1973	2020	Biological and biomedical sciences	Microbiology and immunology
168	Virology	2010	2020	Biological and biomedical sciences	Microbiology and immunology
154	Molecular biology	1969	2020	Biological and biomedical sciences	Molecular biology
160	Neurosciences and neurobiology	1982	2020	Biological and biomedical sciences	Neurobiology and neurosciences
167	Environmental toxicology	2010	2020	Biological and biomedical sciences	Pharmacology and toxicology
211	Environmental toxicology	2004	2010	Biological and biomedical sciences	Pharmacology and toxicology
180	Pharmacology, human and animal	1958	2020	Biological and biomedical sciences	Pharmacology and toxicology
169	Toxicology	1983	2020	Biological and biomedical sciences	Pharmacology and toxicology
158	Cancer biology	2007	2020	Biological and biomedical sciences	Physiology, pathology, and cancer biology
145	Endocrinology	1983	2020	Biological and biomedical sciences	Physiology, pathology, and cancer biology
159	Molecular medicine	2016	2020	Biological and biomedical sciences	Physiology, pathology, and cancer biology
175	Pathology, human and animal	1958	2020	Biological and biomedical sciences	Physiology, pathology, and cancer biology
185	Physiology, human and animal	1963	2020	Biological and biomedical sciences	Physiology, pathology, and cancer biology
418	Computer and information sciences, general	2014	2020	Computer and information sciences	Computer and information sciences, other
419	Computer and information sciences, other	2004	2020	Computer and information sciences	Computer and information sciences, other
410	Information science and systems	1983	2020	Computer and information sciences	Computer and information sciences, other
400	Computer science	1978	2020	Computer and information sciences	Computer science
186	Animal and plant physiology	1958	1963	Biological and biomedical sciences	Biology and biomedical sciences, other
199	Biological and biomedical sciences, other	1958	2020	Biological and biomedical sciences	Biology and biomedical sciences, other
107	Biotechnology	1993	2020	Biological and biomedical sciences	Biology and biomedical sciences, other
129	Botany and plant biology	1958	2020	Biological and biomedical sciences	Biology and biomedical sciences, other
148	Entomology	1958	2020	Biological and biomedical sciences	Biology and biomedical sciences, other
140	Hydrobiology	1958	1980	Biological and biomedical sciences	Biology and biomedical sciences, other
163	Nutrition sciences	1958	2020	Biological and biomedical sciences	Biology and biomedical sciences, other

Table A-6. Historical SED-FOS code crosswalk to trend broad and major fields for data collected prior to SED 2021: 2025

(Field)

Historical SED-FOS code	Historical SED field of study	First year	Last year	Trend broad field	Trend major field
115	Plant genetics	1983	2020	Biological and biomedical sciences	Biology and biomedical sciences, other
120	Plant pathology and phytopathology (biological sciences)	1983	2020	Biological and biomedical sciences	Biology and biomedical sciences, other
125	Plant physiology	1963	2020	Biological and biomedical sciences	Biology and biomedical sciences, other
188	Wildlife biology	2014	2020	Biological and biomedical sciences	Biology and biomedical sciences, other
189	Zoology	1958	2020	Biological and biomedical sciences	Biology and biomedical sciences, other
300	Aerospace, aeronautical, and astronautical engineering	1958	2020	Engineering	Aerospace, aeronautical, and astronautical engineering
306	Bioengineering and biomedical engineering	1969	2020	Engineering	Bioengineering and biomedical engineering
312	Chemical engineering	1958	2020	Engineering	Chemical and petroleum engineering
366	Petroleum engineering	1974	2020	Engineering	Chemical and petroleum engineering
369	Polymer and plastics engineering	1983	2020	Engineering	Chemical and petroleum engineering
315	Civil engineering	1958	2020	Engineering	Civil, environmental, and transportation engineering
336	Environmental/ environmental health engineering	1958	2020	Engineering	Civil, environmental, and transportation engineering
337	Geotechnical and geoenvironmental engineering	2012	2020	Engineering	Civil, environmental, and transportation engineering
316	Structural engineering	2010	2020	Engineering	Civil, environmental, and transportation engineering
373	Transportation and highway engineering	2012	2020	Engineering	Civil, environmental, and transportation engineering
318	Communications engineering	1983	2020	Engineering	Electrical and computer engineering
321	Computer engineering	1975	2020	Engineering	Electrical and computer engineering
322	Electrical engineering	1958	1983	Engineering	Electrical and computer engineering
324	Electrical, electronics, and communications engineering	1983	2020	Engineering	Electrical and computer engineering
323	Electronics engineering	1958	1983	Engineering	Electrical and computer engineering
339	Industrial and manufacturing engineering	1958	2020	Engineering	Industrial engineering and operations research
363	Operations research (engineering)	1973	2020	Engineering	Industrial engineering and operations research
372	Systems engineering	1975	2020	Engineering	Industrial engineering and operations research
309	Ceramic sciences engineering	1958	2014	Engineering	Materials and mining engineering
342	Materials science engineering	1971	2020	Engineering	Materials and mining engineering
348	Metallurgical engineering	1958	2020	Engineering	Materials and mining engineering
351	Mining and mineral engineering	1969	2014	Engineering	Materials and mining engineering
375	Textile engineering	1958	1969	Engineering	Materials and mining engineering
345	Mechanical engineering	1958	2020	Engineering	Mechanical engineering
415	Robotics	2010	2020	Engineering	Mechanical engineering
303	Agricultural engineering	1958	2020	Engineering	Engineering, other
376	Engineering management and administration	2007	2020	Engineering	Engineering, other
327	Engineering mechanics	1958	2020	Engineering	Engineering, other

Table A-6. Historical SED-FOS code crosswalk to trend broad and major fields for data collected prior to SED 2021: 2025

(Field)

Historical SED-FOS code	Historical SED field of study	First year	Last year	Trend broad field	Trend major field
330	Engineering physics	1958	2020	Engineering	Engineering, other
333	Engineering science	1983	2020	Engineering	Engineering, other
398	Engineering, general	1958	2020	Engineering	Engineering, other
399	Engineering, other	1958	2020	Engineering	Engineering, other
354	Naval architecture and marine engineering	1983	1991	Engineering	Engineering, other
357	Nuclear engineering	1971	2020	Engineering	Engineering, other
360	Ocean engineering	1983	2020	Engineering	Engineering, other
554	Applied geology	1969	1991	Geosciences, atmospheric, and ocean sciences	Geological sciences
555	Applied geology, geological engineering	1958	1969	Geosciences, atmospheric, and ocean sciences	Geological sciences
547	Fuel technology and petroleum engineering	1969	1980	Geosciences, atmospheric, and ocean sciences	Geological sciences
542	Geochemistry	1969	2020	Geosciences, atmospheric, and ocean sciences	Geological sciences
558	Geological and earth sciences, general	1958	2020	Geosciences, atmospheric, and ocean sciences	Geological sciences
559	Geological and earth sciences, other	1958	2020	Geosciences, atmospheric, and ocean sciences	Geological sciences
540	Geology	1958	2020	Geosciences, atmospheric, and ocean sciences	Geological sciences
552	Geomorphology and glacial geology	1963	2020	Geosciences, atmospheric, and ocean sciences	Geological sciences
545	Geophysics	1958	1976	Geosciences, atmospheric, and ocean sciences	Geological sciences
544	Geophysics and seismology	1976	2020	Geosciences, atmospheric, and ocean sciences	Geological sciences
548	Mineralogy and petrology	1969	2020	Geosciences, atmospheric, and ocean sciences	Geological sciences
549	Mineralogy, petrology, geochemistry	1958	1969	Geosciences, atmospheric, and ocean sciences	Geological sciences
546	Paleontology	1963	2020	Geosciences, atmospheric, and ocean sciences	Geological sciences
550	Stratigraphy and sedimentation	1963	2020	Geosciences, atmospheric, and ocean sciences	Geological sciences
510	Atmospheric chemistry and climatology	1976	2020	Geosciences, atmospheric, and ocean sciences	Ocean, marine, and atmospheric sciences
512	Atmospheric physics and dynamics	1976	2020	Geosciences, atmospheric, and ocean sciences	Ocean, marine, and atmospheric sciences
518	Atmospheric science/ meteorology, general	1983	2020	Geosciences, atmospheric, and ocean sciences	Ocean, marine, and atmospheric sciences
519	Atmospheric science/ meteorology, other	1976	2020	Geosciences, atmospheric, and ocean sciences	Ocean, marine, and atmospheric sciences
585	Hydrology and water resources	1958	2020	Geosciences, atmospheric, and ocean sciences	Ocean, marine, and atmospheric sciences
152	Marine biology and biological oceanography	2012	2020	Geosciences, atmospheric, and ocean sciences	Ocean, marine, and atmospheric sciences
595	Marine sciences	1978	2020	Geosciences, atmospheric, and ocean sciences	Ocean, marine, and atmospheric sciences
514	Meteorology	1958	2020	Geosciences, atmospheric, and ocean sciences	Ocean, marine, and atmospheric sciences
599	Ocean/ marine sciences, other	1983	2020	Geosciences, atmospheric, and ocean sciences	Ocean, marine, and atmospheric sciences
590	Oceanography, chemical and physical	1958	2020	Geosciences, atmospheric, and ocean sciences	Ocean, marine, and atmospheric sciences
230	Nursing science	1977	2020	Health sciences	Nursing science

Table A-6. Historical SED-FOS code crosswalk to trend broad and major fields for data collected prior to SED 2021: 2025

(Field)

Historical SED-FOS code	Historical SED field of study	First year	Last year	Trend broad field	Trend major field
240	Pharmaceutical sciences	1958	2020	Health sciences	Pharmaceutical sciences
210	Environmental health	1977	2020	Health sciences	Public health
280	Health and behavior	2014	2020	Health sciences	Public health
213	Health services research	2016	2020	Health sciences	Public health
215	Public health	1985	2020	Health sciences	Public health
219	Public health and epidemiology	1958	1983	Health sciences	Public health
205	Dentistry	1958	1963	Health sciences	Health sciences, other
227	Gerontology (health sciences)	2010	2020	Health sciences	Health sciences, other
298	Health sciences, general	1963	2020	Health sciences	Health sciences, other
299	Health sciences, other	1958	2020	Health sciences	Health sciences, other
212	Health systems administration	1993	2020	Health sciences	Health sciences, other
224	Hospital administration	1958	1978	Health sciences	Health sciences, other
222	Kinesiology/ exercise science	1994	2020	Health sciences	Health sciences, other
577	Medical physics/ radiological science	2010	2020	Health sciences	Health sciences, other
225	Medicine and surgery	1958	1977	Health sciences	Health sciences, other
235	Optometry and ophthalmology	1958	1963	Health sciences	Health sciences, other
207	Oral biology/ oral pathology	2010	2020	Health sciences	Health sciences, other
245	Rehabilitation/ therapeutic services	1991	2020	Health sciences	Health sciences, other
200	Speech-language pathology and audiology	1970	2020	Health sciences	Health sciences, other
420	Applied mathematics	1958	2020	Mathematics and statistics	Applied mathematics
425	Algebra	1958	2020	Mathematics and statistics	Mathematics
430	Analysis and functional analysis	1958	2020	Mathematics and statistics	Mathematics
461	Computational mathematics	2018	2020	Mathematics and statistics	Mathematics
460	Computing theory and practice	1960	2020	Mathematics and statistics	Mathematics
435	Geometry/ geometric analysis	1958	2020	Mathematics and statistics	Mathematics
440	Logic	1958	2020	Mathematics and statistics	Mathematics
445	Number theory	1958	2020	Mathematics and statistics	Mathematics
455	Topology/ foundations	1958	2020	Mathematics and statistics	Mathematics
450	Statistics (mathematics)	1958	2020	Mathematics and statistics	Statistics
498	Mathematics/ statistics, general	1958	2020	Mathematics and statistics	Mathematics and statistics, other
499	Mathematics/ statistics, other	1958	2020	Mathematics and statistics	Mathematics and statistics, other
465	Operations research (mathematics)	1974	2020	Mathematics and statistics	Mathematics and statistics, other
500	Astronomy	1969	2020	Physical sciences	Astronomy and astrophysics
506	Astronomy and astrophysics	1958	1969	Physical sciences	Astronomy and astrophysics
509	Astronomy and astrophysics, other	2010	2020	Physical sciences	Astronomy and astrophysics
505	Astrophysics	1969	2020	Physical sciences	Astronomy and astrophysics
521	Agriculture and food chemistry	1958	1980	Physical sciences	Chemistry
520	Analytical chemistry	1958	2020	Physical sciences	Chemistry
527	Chemical biology	2016	2020	Physical sciences	Chemistry
538	Chemistry, general	1958	2020	Physical sciences	Chemistry
539	Chemistry, other	1958	2020	Physical sciences	Chemistry
522	Inorganic chemistry	1958	2020	Physical sciences	Chemistry
528	Medicinal chemistry	1958	2020	Physical sciences	Chemistry
524	Nuclear chemistry	1960	2004	Physical sciences	Chemistry
526	Organic chemistry	1958	2020	Physical sciences	Chemistry
530	Physical chemistry	1958	2020	Physical sciences	Chemistry
532	Polymer chemistry	1974	2020	Physical sciences	Chemistry
534	Theoretical chemistry	1960	2020	Physical sciences	Chemistry
560	Acoustics	1958	2020	Physical sciences	Physics
576	Applied physics	2004	2020	Physical sciences	Physics
561	Atomic/ molecular/ chemical physics	1958	2020	Physical sciences	Physics

Table A-6. Historical SED-FOS code crosswalk to trend broad and major fields for data collected prior to SED 2021: 2025

(Field)

Historical SED-FOS code	Historical SED field of study	First year	Last year	Trend broad field	Trend major field
565	Biophysics (physics)	2004	2020	Physical sciences	Physics
574	Condensed matter/ low-temperature physics	1958	2020	Physical sciences	Physics
563	Electromagnetism	1958	1980	Physical sciences	Physics
562	Electron physics	1983	1991	Physical sciences	Physics
564	Elementary particle physics	1963	2020	Physical sciences	Physics
566	Fluids physics	1960	2004	Physical sciences	Physics
567	Mechanics	1958	1977	Physical sciences	Physics
568	Nuclear physics	1958	2020	Physical sciences	Physics
569	Optics and photonics	1958	2020	Physical sciences	Physics
578	Physics, general	1958	2020	Physical sciences	Physics
579	Physics, other	1958	2020	Physical sciences	Physics
570	Plasma/ high-temperature physics	1969	2020	Physical sciences	Physics
572	Polymer physics	1983	2020	Physical sciences	Physics
575	Theoretical physics	1958	1963	Physical sciences	Physics
573	Thermal physics	1960	1982	Physical sciences	Physics
600	Clinical psychology	1958	2020	Psychology	Clinical psychology
602	Behavioral analysis	2012	2020	Psychology	Counseling and applied psychology
642	Community psychology	2016	2020	Psychology	Counseling and applied psychology
609	Counseling	1958	2020	Psychology	Counseling and applied psychology
618	Educational psychology (psychology)	1958	2020	Psychology	Counseling and applied psychology
620	Family psychology	1995	2020	Psychology	Counseling and applied psychology
614	Health and medical psychology	2012	2020	Psychology	Counseling and applied psychology
621	Industrial and organizational psychology	1958	2020	Psychology	Counseling and applied psychology
610	Marriage and family therapy/ counseling	2016	2020	Psychology	Counseling and applied psychology
636	School psychology (psychology)	1960	2020	Psychology	Counseling and applied psychology
626	Cognitive neuroscience	2016	2020	Psychology	Research and experimental psychology
603	Cognitive psychology and psycholinguistics	1983	2020	Psychology	Research and experimental psychology
606	Comparative psychology	1964	2010	Psychology	Research and experimental psychology
612	Developmental and child psychology	1958	2020	Psychology	Research and experimental psychology
615	Experimental psychology	1964	2020	Psychology	Research and experimental psychology
616	Experimental, comparative, and physiological psychology	1958	1964	Psychology	Research and experimental psychology
627	Neuropsychology/ physiological psychology	1964	2020	Psychology	Research and experimental psychology
624	Personality psychology	1960	2020	Psychology	Research and experimental psychology
630	Psychometrics	1958	2004	Psychology	Research and experimental psychology
633	Psychometrics and quantitative psychology	1983	2020	Psychology	Research and experimental psychology

Table A-6. Historical SED-FOS code crosswalk to trend broad and major fields for data collected prior to SED 2021: 2025

(Field)

Historical SED-FOS code	Historical SED field of study	First year	Last year	Trend broad field	Trend major field
639	Social psychology	1958	2020	Psychology	Research and experimental psychology
613	Human development and family studies	1994	2020	Psychology	Psychology, other
619	Human engineering	1958	1963	Psychology	Psychology, other
648	Psychology, general	1958	2020	Psychology	Psychology, other
649	Psychology, other	1958	2020	Psychology	Psychology, other
655	Anthropology, cultural	2014	2020	Social sciences	Anthropology
650	Anthropology, general	1958	2020	Social sciences	Anthropology
656	Anthropology, physical and biological	2014	2020	Social sciences	Anthropology
668	Econometrics	1958	2020	Social sciences	Economics
665	Natural resources/ environmental economics (social sciences)	2012	2020	Social sciences	Economics
667	Other economics	1958	2020	Social sciences	Economics
678	Political science and government	1976	2020	Social sciences	Political science and government
679	Political science, public administration	1958	1976	Social sciences	Political science and government
217	Health policy analysis	2012	2020	Social sciences	Public policy analysis
682	Public policy analysis	1983	2020	Social sciences	Public policy analysis
662	Demography/ population studies	1983	2020	Social sciences	Sociology, demography, and population studies
686	Sociology	1958	2020	Social sciences	Sociology, demography, and population studies
770	American/ U.S. studies	1975	2020	Social sciences	Social sciences, other
675	Applied linguistics	2016	2020	Social sciences	Social sciences, other
654	Archaeology (social sciences)	2018	2020	Social sciences	Social sciences, other
652	Area/ ethnic/ cultural studies	1958	2020	Social sciences	Social sciences, other
657	Criminal justice and corrections	2007	2020	Social sciences	Social sciences, other
658	Criminology	1980	2020	Social sciences	Social sciences, other
651	Gender and women's studies	2014	2020	Social sciences	Social sciences, other
670	Geography	1958	2020	Social sciences	Social sciences, other
684	Gerontology (social sciences)	2010	2020	Social sciences	Social sciences, other
710	History, science and technology and society	1971	2020	Social sciences	Social sciences, other
674	International relations/ affairs	1958	2020	Social sciences	Social sciences, other
676	Linguistics	2007	2020	Social sciences	Social sciences, other
729	Linguistics	1958	2007	Social sciences	Social sciences, other
698	Social sciences, general	1958	2020	Social sciences	Social sciences, other
699	Social sciences, other	1958	2020	Social sciences	Social sciences, other
690	Statistics (social sciences)	1967	2020	Social sciences	Social sciences, other
694	Urban studies/ affairs	1971	2020	Social sciences	Social sciences, other
695	Urban, city, community and regional planning	2007	2020	Social sciences	Social sciences, other
900	Accounting	1983	2020	Business	Business
905	Banking/financial services	1983	2012	Business	Business
910	Business administration and management	1983	2020	Business	Business
938	Business management/ administration, general	1983	2020	Business	Business
939	Business management/ administration, other	1958	2020	Business	Business
925	Business statistics	1983	1991	Business	Business
915	Business/ managerial economics	1983	2020	Business	Business
901	Finance	2007	2020	Business	Business
912	Hospitality, food service and tourism management	2010	2020	Business	Business

Table A-6. Historical SED-FOS code crosswalk to trend broad and major fields for data collected prior to SED 2021: 2025

(Field)

Historical SED-FOS code	Historical SED field of study	First year	Last year	Trend broad field	Trend major field
921	Human resources development	2004	2020	Business	Business
916	International business/ trade/ commerce	1994	2020	Business	Business
917	Management information systems/ business statistics	1991	2020	Business	Business
920	Marketing management and research	1983	2020	Business	Business
930	Operations research (business)	1983	2020	Business	Business
935	Organizational behavior	1983	2020	Business	Business
805	Educational administration and supervision	1960	2020	Education	Education leadership and administration
804	Educational and human resource studies/ development	2012	2020	Education	Education leadership and administration
807	Educational leadership	1991	2020	Education	Education leadership and administration
806	Urban education and leadership	2010	2020	Education	Education leadership and administration
840	Counseling education/ counseling and guidance	1963	2020	Education	Education research
800	Curriculum and instruction	1973	2020	Education	Education research
820	Educational assessment/ testing/ measurement	1983	2020	Education	Education research
814	Educational measurement and statistics	1963	1983	Education	Education research
808	Educational policy analysis	2010	2020	Education	Education research
822	Educational psychology (education)	1963	2020	Education	Education research
815	Educational statistics/ research methods	1983	2020	Education	Education research
810	Educational/ instructional media design	1963	2020	Education	Education research
812	Educational/ instructional technology	2012	2020	Education	Education research
845	Higher education evaluation and research	1973	2020	Education	Education research
833	International education	2010	2020	Education	Education research
801	Learning sciences	2018	2020	Education	Education research
825	School psychology (education)	1983	2020	Education	Education research
830	Social/ philosophical foundations of education	1963	2020	Education	Education research
835	Special education	1963	2020	Education	Education research
858	Adult and continuing teacher education	1973	2020	Education	Teacher education and teaching fields
860	Agricultural education	1960	2020	Education	Teacher education and teaching fields
861	Art education	1963	2020	Education	Teacher education and teaching fields
865	Bilingual and multilingual education	2012	2020	Education	Teacher education and teaching fields
862	Business education	1963	2010	Education	Teacher education and teaching fields
852	Elementary teacher education	1960	2020	Education	Teacher education and teaching fields
863	English as a second or foreign language	2014	2020	Education	Teacher education and teaching fields
864	English education	1963	2020	Education	Teacher education and teaching fields
870	Family and consumer/ human science education	1963	2020	Education	Teacher education and teaching fields
866	Foreign languages education	1963	2020	Education	Teacher education and teaching fields
868	Health education	1983	2020	Education	Teacher education and teaching fields

Table A-6. Historical SED-FOS code crosswalk to trend broad and major fields for data collected prior to SED 2021: 2025

(Field)

Historical SED-FOS code	Historical SED field of study	First year	Last year	Trend broad field	Trend major field
854	Junior high education	1983	1988	Education	Teacher education and teaching fields
882	Literacy and reading education	1976	2020	Education	Teacher education and teaching fields
874	Mathematics education	1963	2020	Education	Teacher education and teaching fields
876	Music education	1963	2020	Education	Teacher education and teaching fields
878	Nursing education	1980	2020	Education	Teacher education and teaching fields
880	Physical education and coaching	1983	2020	Education	Teacher education and teaching fields
867	Physical education, health and recreation	1960	1983	Education	Teacher education and teaching fields
850	Pre-elementary/ early childhood teacher education	1980	2020	Education	Teacher education and teaching fields
884	Science education	1960	2020	Education	Teacher education and teaching fields
856	Secondary teacher education	1960	2020	Education	Teacher education and teaching fields
885	Social science education	1963	2020	Education	Teacher education and teaching fields
886	Speech education	1975	1991	Education	Teacher education and teaching fields
889	Teacher education and professional development, other	1963	2020	Education	Teacher education and teaching fields
872	Technical and industrial arts education	1963	2004	Education	Teacher education and teaching fields
887	Technical education	1988	2007	Education	Teacher education and teaching fields
888	Trade and industrial education	1963	2020	Education	Teacher education and teaching fields
898	Education, general	1958	2020	Education	Education, other
899	Education, other	1963	2020	Education	Education, other
895	Workforce education and development	2014	2020	Education	Education, other
768	Arabic language and literature	1983	2020	Humanities and arts	Foreign languages and literature
758	Chinese language and literature	1983	2020	Humanities and arts	Foreign languages and literature
769	Foreign languages and literatures, other	1958	2020	Humanities and arts	Foreign languages and literature
740	French language and literature	1967	2020	Humanities and arts	Foreign languages and literature
743	Germanic language and literature	1967	2020	Humanities and arts	Foreign languages and literature
765	Hebrew	1983	2004	Humanities and arts	Foreign languages and literature
746	Italian language and literature	1967	2020	Humanities and arts	Foreign languages and literature
762	Japanese language and literature	1983	2020	Humanities and arts	Foreign languages and literature
750	Latin American languages and literature	2012	2020	Humanities and arts	Foreign languages and literature
752	Russian language and literature	1967	2020	Humanities and arts	Foreign languages and literature
755	Slavic (other than Russian)	1983	2010	Humanities and arts	Foreign languages and literature
749	Spanish language and literature	1967	2020	Humanities and arts	Foreign languages and literature
706	African history	2004	2020	Humanities and arts	History
700	American history (U.S. and Canada)	1969	2020	Humanities and arts	History
703	Asian history	1995	2020	Humanities and arts	History
705	European history	1969	2020	Humanities and arts	History
718	History, general	1958	2020	Humanities and arts	History
719	History, other	1969	2020	Humanities and arts	History
707	Latin American history	2004	2020	Humanities and arts	History
708	Middle/ Near East history	2007	2020	Humanities and arts	History

Table A-6. Historical SED-FOS code crosswalk to trend broad and major fields for data collected prior to SED 2021: 2025

(Field)

Historical SED-FOS code	Historical SED field of study	First year	Last year	Trend broad field	Trend major field
732	American literature (U.S. and Canada)	1969	2020	Humanities and arts	Letters
720	Classics	1958	2020	Humanities and arts	Letters
723	Comparative literature	1976	2020	Humanities and arts	Letters
735	Creative writing	2007	2020	Humanities and arts	Letters
725	English and American literature	1958	1969	Humanities and arts	Letters
734	English language	1985	2020	Humanities and arts	Letters
726	English language and literature	1969	1985	Humanities and arts	Letters
733	English literature (British and commonwealth)	1983	2020	Humanities and arts	Letters
724	Folklore	2004	2016	Humanities and arts	Letters
738	Letters, general	1983	2020	Humanities and arts	Letters
739	Letters, other	1983	2020	Humanities and arts	Letters
737	Rhetoric and composition	2012	2020	Humanities and arts	Letters
736	Speech and rhetorical studies	1958	2020	Humanities and arts	Letters
796	Dance	2016	2020	Humanities and arts	Music and performing arts
795	Drama/ theater arts/ performance studies	1977	2020	Humanities and arts	Music and performing arts
780	Music	1958	2020	Humanities and arts	Music and performing arts
787	Music performance	2007	2020	Humanities and arts	Music and performing arts
786	Music theory and composition	2007	2020	Humanities and arts	Music and performing arts
789	Music, other	2007	2020	Humanities and arts	Music and performing arts
788	Musicology/ ethnomusicology	2007	2020	Humanities and arts	Music and performing arts
777	Jewish/ Judaic studies	2012	2020	Humanities and arts	Philosophy and religious studies
785	Philosophy	1958	2020	Humanities and arts	Philosophy and religious studies
790	Religion/ religious studies	1973	2020	Humanities and arts	Philosophy and religious studies
731	African American studies/ literature/ history	2018	2020	Humanities and arts	Humanities and arts, other
773	Archaeology (humanities)	1958	2020	Humanities and arts	Humanities and arts, other
776	Art history/ criticism/ conservation	1969	2020	Humanities and arts	Humanities and arts, other
774	Art, applied	1969	1977	Humanities and arts	Humanities and arts, other
775	Art, fine and applied	1958	1969	Humanities and arts	Humanities and arts, other
792	Bible/ biblical studies	2007	2020	Humanities and arts	Humanities and arts, other
784	Ethics	2012	2020	Humanities and arts	Humanities and arts, other
778	Film/ cinema/ media studies	2012	2020	Humanities and arts	Humanities and arts, other
798	Humanities, general	1958	2020	Humanities and arts	Humanities and arts, other
799	Humanities, other	1958	2020	Humanities and arts	Humanities and arts, other
791	Religion and theology	1958	1973	Humanities and arts	Humanities and arts, other
984	Theology/ religious education	1973	2020	Humanities and arts	Humanities and arts, other
940	Communication research	1983	2020	Other non-science and engineering	Communication
957	Communication theory	1991	2020	Other non-science and engineering	Communication
958	Communication, general	1983	2020	Other non-science and engineering	Communication
959	Communication, other	1972	2020	Other non-science and engineering	Communication
950	Film, radio, TV and digital communication	1983	2020	Other non-science and engineering	Communication
945	Journalism	1958	1991	Other non-science and engineering	Communication
947	Mass communication/ media studies	1991	2020	Other non-science and engineering	Communication
976	Public administration	1976	2020	Other non-science and engineering	Public administration and social services

Table A-6. Historical SED-FOS code crosswalk to trend broad and major fields for data collected prior to SED 2021: 2025

(Field)

Historical SED-FOS code	Historical SED field of study	First year	Last year	Trend broad field	Trend major field
980	Social work	1960	2020	Other non-science and engineering	Public administration and social services
960	Architecture/ environmental design	1958	2020	Other non-science and engineering	Non-science and engineering, other
964	Family/ consumer sciences/ human sciences	1958	2020	Other non-science and engineering	Non-science and engineering, other
968	Law	1958	2020	Other non-science and engineering	Non-science and engineering, other
972	Library science	1958	2020	Other non-science and engineering	Non-science and engineering, other
974	Parks/ sports/ recreation/ leisure/ fitness	1993	2020	Other non-science and engineering	Non-science and engineering, other
988	Professional fields, general	1983	2004	Other non-science and engineering	Non-science and engineering, other
989	Other fields nec	1970	2020	Other non-science and engineering	Non-science and engineering, other
999	Unknown field	1958	2008	Other non-science and engineering	Non-science and engineering, other

FOS= field of study; nec = not elsewhere classified; SED = Survey of Earned Doctorates.

Note(s):

The survey data collection for the field of study changed in 2021, which may affect the data comparison across years. This table provides a crosswalk between the historical (pre-2021) SED-FOS code to the trend field taxonomy used in the current tables for trend comparisons with prior years (see [table A-7](#)). 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.

Table A-7. Comparison of the current field taxonomy to the trend field and the historical field taxonomies, by field level: 2025

(Crosswalk)

CIP-based broad and major fields		Trend broad and major fields		Historical broad and major fields	
All fields	Level	All fields	Level	All fields	Level
Science and engineering	Area	Science and engineering	Area	na	Area
na	-	na	-	Life sciences	Broad
Agricultural sciences and natural resources	Broad	Agricultural sciences and natural resources ^a	Broad	Agricultural sciences and natural resources	Major
Agricultural, animal, plant, and veterinary sciences	Major	Agricultural sciences ^a	Major	na	-
Natural resources and conservation	Major	Natural resources and conservation	Major	na	-
Biological and biomedical sciences	Broad	Biological and biomedical sciences	Broad	Biological and biomedical sciences	Major
Biochemistry, biophysics, and molecular biology	Major	Biochemistry and biophysics	Major	na	-
Bioinformatics, biostatistics, and computational biology	Major	Bioinformatics, biostatistics, and computational biology	Major	na	-
Biological and biomedical sciences, general	Major	Biology and biomedical sciences, general	Major	na	-
Cell/ cellular biology and anatomy	Major	Cellular and developmental biology, and anatomy	Major	na	-
Ecology, evolutionary biology, and epidemiology	Major	Ecology, evolutionary biology, and epidemiology	Major	na	-
Genetics and genomics	Major	Genetics and genomics	Major	na	-
Microbiology and immunology	Major	Microbiology and immunology	Major	na	-
na	-	Molecular biology	Major	na	-
Neurobiology and neurosciences	Major	Neurobiology and neurosciences	Major	na	-
Pharmacology and toxicology	Major	Pharmacology and toxicology	Major	na	-
Physiology, oncology, and cancer biology	Major	Physiology, pathology, and cancer biology	Major	na	-
Biological and biomedical sciences, other	Major	Biology and biomedical sciences, other	Major	na	-
Computer and information sciences	Broad	Computer and information sciences	Broad	Computer and information sciences	Major
Computer science	Major	Computer science	Major	na	-
Computer and information sciences, other	Major	Computer and information sciences, other	Major	na	-
Engineering	Broad	Engineering	Broad	Engineering	Broad
Aerospace, aeronautical, astronautical and space engineering	Major	Aerospace, aeronautical, and astronautical engineering	Major	Aerospace, aeronautical, and astronautical engineering	Major
Biological, biomedical, and biosystems engineering	Major	Bioengineering and biomedical engineering	Major	Bioengineering and biomedical engineering	Major
Chemical and petroleum engineering	Major	Chemical and petroleum engineering	Major	Chemical engineering	Major
Civil, environmental, and transportation engineering	Major	Civil, environmental, and transportation engineering	Major	Civil engineering	Major
Electrical and computer engineering	Major	Electrical and computer engineering	Major	Electrical, electronics, and communications engineering	Major
Engineering technologies	Major	na	-	na	-
Industrial engineering and operations research	Major	Industrial engineering and operations research	Major	Industrial and manufacturing engineering	Major
Materials and mining engineering	Major	Materials and mining engineering	Major	Materials science engineering	Major
Mechanical engineering	Major	Mechanical engineering	Major	Mechanical engineering	Major
Engineering, other	Major	Engineering, other	Major	Other engineering	Major
Geosciences, atmospheric, and ocean sciences	Broad	Geosciences, atmospheric, and ocean sciences	Broad	Geosciences, atmospheric, and ocean sciences	Major
Geological and earth sciences	Major	Geological sciences	Major	na	-
Ocean, marine, and atmospheric sciences	Major	Ocean, marine, and atmospheric sciences	Major	na	-

Table A-7. Comparison of the current field taxonomy to the trend field and the historical field taxonomies, by field level: 2025

(Crosswalk)

CIP-based broad and major fields		Trend broad and major fields		Historical broad and major fields	
Health sciences	Broad	Health sciences ^a	Broad	Health sciences	Major
Nursing and nursing science	Major	Nursing science	Major	na	-
Pharmacy and pharmaceutical sciences	Major	Pharmaceutical sciences	Major	na	-
Public health	Major	Public health	Major	na	-
Health sciences, other	Major	Health sciences, other	Major	na	-
na	-	na	-	Mathematics and computer sciences	Broad
Mathematics and statistics	Broad	Mathematics and statistics	Broad	Mathematics and statistics	Major
Applied mathematics	Major	Applied mathematics	Major	na	-
Mathematics	Major	Mathematics	Major	na	-
Statistics	Major	Statistics	Major	na	-
na	-	Mathematics and statistics, other	Major	na	-
Multidisciplinary/ interdisciplinary sciences	Broad	na	-	na	-
Interdisciplinary computer sciences	Major	na	-	na	-
Multidisciplinary/ interdisciplinary sciences, other	Major	na	-	na	-
na	-	na	-	Physical sciences and earth sciences	Broad
Physical sciences	Broad	Physical sciences	Broad	na	-
Astronomy and astrophysics	Major	Astronomy and astrophysics	Major	na	-
Chemistry	Major	Chemistry	Major	Chemistry	Major
Materials sciences	Major	na	-	na	-
Physics	Major	Physics	Major	Physics and astronomy	Major
na	-	na	-	Psychology and social sciences	Broad
Psychology	Broad	Psychology	Broad	Psychology	Major
Clinical psychology	Major	Clinical psychology	Major	na	-
Counseling and applied psychology	Major	Counseling and applied psychology	Major	na	-
Research and experimental psychology	Major	Research and experimental psychology	Major	na	-
Psychology, other	Major	Psychology, other	Major	na	-
Social sciences	Broad	Social sciences	Broad	na	-
Anthropology	Major	Anthropology	Major	Anthropology	Major
Area, ethnic, cultural, gender, and group studies	Major	na	-	na	-
Economics	Major	Economics	Major	Economics	Major
Political science and government	Major	Political science and government	Major	Political science and government	Major
Public policy analysis	Major	Public policy analysis	Major	na	-
Sociology, demography, and population studies	Major	Sociology, demography, and population studies	Major	Sociology	Major
Social sciences, other	Major	Social sciences, other	Major	Other social sciences	Major
Non-science and engineering	Area	Non-science and engineering	Area	na	-
Business	Broad	Business	Broad	Business management and administration	Major
Business administration and management	Major	na	-	na	-
Business, other	Major	na	-	na	-
na	-	Business	Major	na	-
Education	Broad	Education	Broad	Education	Broad
Education leadership and administration	Major	Education leadership and administration	Major	Education administration	Major
Education research	Major	Education research	Major	Education research	Major

Table A-7. Comparison of the current field taxonomy to the trend field and the historical field taxonomies, by field level: 2025

(Crosswalk)

CIP-based broad and major fields		Trend broad and major fields		Historical broad and major fields	
Teacher education and teaching fields	Major	Teacher education and teaching fields	Major	Teacher education	Major
na	-	na	-	Teaching fields	Major
Education, other	Major	Education, other	Major	Other education	Major
Humanities	Broad	Humanities and arts	Broad	Humanities and arts	Broad
English language and literature, letters	Major	Letters	Major	Letters	Major
Foreign languages, literatures, and linguistics	Major	Foreign languages and literature	Major	Foreign languages and literature	Major
History	Major	History	Major	History	Major
Philosophy and religious studies	Major	Philosophy and religious studies	Major	na	-
na	Major	Humanities and arts, other	Major	Other humanities and arts	Major
Humanities, other	Major	na	-	na	-
Visual and performing arts	Broad	na	-	na	-
Performing arts	Major	Music and performing arts	Major	na	-
Visual arts, media studies, and design	Major	na	-	na	-
Other non-science and engineering	Broad	Other non-science and engineering	Broad	Other	Broad
Communication and journalism	Major	Communication	Major	Communication	Major
Multidisciplinary/ interdisciplinary studies	Major	na	-	na	-
Public administration and social services	Major	Public administration and social services	Major	na	-
Non-science and engineering, other	Major	Non-science and engineering, other	Major	Non-science and engineering fields nec	Major

na = not applicable.

CIP = Classification of Instructional Programs; nec = not elsewhere classified.

^a Veterinary sciences is currently reported under the trend major field agricultural sciences. It was previously reported under the historical major field health sciences.

Note(s):

The field level provides information about how fields are nested together. There are 4 levels of field aggregation: area, broad field, major field, and detailed field. The survey data collection for the field of study changed in 2021, which may affect the data comparison across years. Data tables that only include data from 2021–present use the CIP-based taxonomy; tables that include data from before 2021 use the trend taxonomy; the historical field taxonomy was used in 2021 and for trend comparisons prior to 2023. 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.

Table B-1. SED data table crosswalk: 2020 vs. 2021–present

(Crosswalk)

2020	2021–present	2025 table title
Trends in research doctorate recipient characteristics		
Table 1	Table 1-1	Research doctorate recipients from U.S. colleges and universities: 1958–2025
Table 11	Table 1-2	Research doctorate recipients, by trend broad field of doctorate and 2021 Carnegie Classification of doctorate institution: 2015–25
Table 12	Table 1-3	Research doctorate recipients, by trend major field of doctorate: Selected years, 1975–2025
Table 14	Table 1-4	Research doctorate recipients, by trend broad field of doctorate and sex: Selected years, 1975–2025
Table 15	Table 1-5	Research doctorate recipients, by trend major field of doctorate and sex: 2015–25
Table 17	Table 1-6	Research doctorate recipients, by trend broad field of doctorate and citizenship status: Selected years, 1975–2025
Table 18	Table 1-7	Research doctorate recipients, by trend major field of doctorate and citizenship status: 2015–25
Table 19	Table 1-8	Research doctorate recipients, by ethnicity, race, and citizenship status: 2015–25
Table 20	Table 1-9	Male research doctorate recipients, by ethnicity, race, and citizenship status: 2015–25
Table 21	Table 1-10	Female research doctorate recipients, by ethnicity, race, and citizenship status: 2015–25
Table 23	Table 1-11	U.S. citizen and permanent resident research doctorate recipients, by trend broad field of doctorate, ethnicity, and race: Selected years, 1975–2025
Table 31	Table 1-12	Median years to research doctorate, by trend broad field of doctorate: Selected years, 1975–2025
Table 39	Table 1-13	Graduate debt of research doctorate recipients, by trend broad field of doctorate: 2015–25
Table 34	Table 1-14	Highest educational attainment of either parent of research doctorate recipients: 1970–2025
Trends in postgraduation commitments of research doctorate recipients		
Table 42	Table 2-1	Postgraduation commitment of research doctorate recipients, by trend broad field of doctorate: Selected years, 1995–2025
Table 43	Table 2-2	Postgraduation commitment of research doctorate recipients, by sex, citizenship status, ethnicity, and race: Selected years, 1995–2025
Table 44	Table 2-3	Postgraduation location and plans of research doctorate recipients with definite commitments, by location of commitment and trend broad field of doctorate: Selected years, 1995–2025
Table 45	Table 2-4	Postgraduation location and plans of research doctorate recipients with definite commitments, by sex, citizenship status, ethnicity, and race: Selected years, 1995–2025

Table B-1. SED data table crosswalk: 2020 vs. 2021–present

(Crosswalk)

2020	2021–present	2025 table title
Table 50	Table 2-5	Sources of support for research doctorate recipients with postdoctoral training commitments, by sex, citizenship status, ethnicity, and race: Selected years, 1995–2025
Table 46	Table 2-6	Postgraduation plans and employment sector of research doctorate recipients with definite plans in the United States, by trend broad field of doctorate: Selected years, 1995–2025
Table 47	Table 2-7	Postgraduation plans and employment sector of research doctorate recipients with definite plans in the United States, by sex, citizenship status, ethnicity, and race: Selected years, 1995–2025
Table 53	Table 2-8	Intention to stay in the U.S. after doctorate receipt among research doctorate recipients with temporary visas, by region and country or economy of citizenship: 2018–25
Field and demographic characteristics of research doctorate recipients		
Table 13	Table 3-1	Research doctorate recipients, by detailed field of doctorate: 2021–25
Table 16	Table 3-2	Research doctorate recipients, by detailed field of doctorate and sex: 2025
Table 22	Table 3-3	Research doctorate recipients, by detailed field of doctorate, citizenship status, ethnicity, and race: 2025
Table 24	Table 3-4	U.S. citizen and permanent resident research doctorate recipients, by major field of doctorate, ethnicity, and race: 2025
Table 32	Table 3-5	Median years to science and engineering research doctorate, by sex, citizenship status, ethnicity, race, and broad field of doctorate: 2025
Table 32	Table 3-6	Median years to non-science and engineering research doctorate, by sex, citizenship status, ethnicity, race, and broad field of doctorate: 2025
Table 27	Table 3-7	Median age and age distribution of research doctorate recipients, by broad field of doctorate, sex, citizenship status, ethnicity, and race: 2025
Financial support and education-related debt of research doctorate recipients		
Table 35	Table 4-1	Research doctorate recipients' primary source of financial support, by broad field of doctorate, sex, citizenship status, ethnicity, and race: 2025
Table 36	Table 4-2	Research doctorate recipients' sources of financial support, by broad field of doctorate and sex: 2025
Table 37	Table 4-3	Research doctorate recipients' sources of financial support, by sex and broad field of doctorate: 2025
Table 38	Table 4-4	Education-related debt of research doctorate recipients, by broad field of doctorate: 2025
Table 40	Table 4-5	Education-related debt of research doctorate recipients, by sex, citizenship status, ethnicity, and race: 2025
Table 41	Table 4-6	U.S. citizen and permanent resident research doctorate recipients with graduate education-related debt, by ethnicity, race, and broad field of doctorate: 2025
Educational and background characteristics of research doctorate recipients		

Table B-1. SED data table crosswalk: 2020 vs. 2021–present

(Crosswalk)

2020	2021–present	2025 table title
Table 30	Table 5-1	Research doctorate recipients who ever attended community college, by sex, citizenship status, ethnicity, race, and broad field of doctorate: 2025
New	Table 5-2	Research doctorate recipients who earned a bachelor's degree related to doctorate, by sex, citizenship status, ethnicity, race, and broad field of doctorate: 2025
Table 29	Table 5-3	Research doctorate recipients who earned a master's degree related to doctorate, by sex, citizenship status, ethnicity, race, and broad field of doctorate: 2025
New	Table 5-4	Baccalaureate-origin institution characteristics of research doctorate recipients, by broad field of doctorate: 2025
Table 33	Table 5-5	Educational attainment of research doctorate recipients' parents, by sex, citizenship status, ethnicity, race, and broad field of doctorate: 2025
Table 28	Table 5-6	Research doctorate recipients reporting one or more functional limitations, by broad field of doctorate, sex, and citizenship status: 2025
Postgraduation commitments and salaries of research doctorate recipients		
Table 51	Table 6-1	Research doctorate recipients with definite postgraduation commitments, by major field of doctorate: 2025
Table 51	Table 6-2	U.S. citizen and permanent resident research doctorate recipients with definite postgraduation commitments, by major field of doctorate: 2025
Table 51	Table 6-3	Temporary visa holder research doctorate recipients with definite postgraduation commitments, by major field of doctorate: 2025
Table 52	Table 6-4	Female research doctorate recipients with definite postgraduation commitments, by major field of doctorate: 2025
Table 52	Table 6-5	Male research doctorate recipients with definite postgraduation commitments, by major field of doctorate: 2025
Table 48	Table 6-6	Median basic annual salary for research doctorate recipients with definite postgraduation plans in the United States, by broad field of doctorate, type of postgraduation plans, and sex: 2025
Table 49	Table 6-7	Median basic annual salary for research doctorate recipients with definite postgraduation commitments for non-postdoc employment in the United States, by broad field of doctorate and employment sector: 2025
Doctorate institutions, locations, and countries of origins of research doctorate recipients		
Table 2	Table 7-1	Doctorate-granting institutions and research doctorate recipients per institution: 1973–2025
Table 3	Table 7-2	Top 50 doctorate-granting institutions ranked by total number of research doctorate recipients, by sex: 2025
Table 4	Table 7-3	Top 20 doctorate-granting institutions ranked by total number of research doctorate recipients, by broad field of doctorate and sex: 2025
Table 9	Table 7-4	Top 20 doctorate-granting institutions ranked by number of minority U.S. citizen and permanent resident research doctorate recipients, by ethnicity and race: 5-year total, 2020–25
Table 10	Table 7-5	Top 20 doctorate-granting institutions, ranked by number of research doctorate recipients holding temporary visas: 2025

Table B-1. SED data table crosswalk: 2020 vs. 2021–present

(Crosswalk)

2020	2021–present	2025 table title
Table 5	Table 7-6	State or location of doctorate institution ranked by total number of research doctorate recipients, by field of doctorate and sex: 2025
Table 26	Table 7-7	Top 10 countries or economies of origin of temporary visa holders earning U.S. research doctorates, by country or economy of citizenship and field of doctorate: 2015–25
Table 25	Table 7-8	Top 40 countries or economies of origin of temporary visa holders earning U.S. research doctorates, by number of doctorate recipients: 2025
New	Table 7-9	Top 20 baccalaureate-origin institutions ranked by 2021 Carnegie Classification category and total number of research doctorate recipients, by field of doctorate: 2025
Table 6	Table 7-10	Research doctorate recipients, by state or location of doctorate institution and broad field of doctorate: 2025
Statistical profiles of research doctorate recipients		
Table 54	Table 8-1	Science and engineering research doctorate recipients, statistical profile by sex and broad field of doctorate: 2025
Table 54	Table 8-2	Non-science and engineering research doctorate recipients, statistical profile by sex and broad field of doctorate: 2025
Table 56	Table 8-3	Agricultural sciences and natural resources research doctorate recipients, statistical profile by sex and major field of doctorate: 2025
Table 56	Table 8-4	Biological and biomedical sciences research doctorate recipients, statistical profile by sex and major field of doctorate: 2025
Table 60	Table 8-5	Computer and information science research doctorate recipients, statistical profile by sex and major field of doctorate: 2025
Table 64	Table 8-6	Engineering research doctorate recipients, statistical profile by sex and major field of doctorate: 2025
Table 58	Table 8-7	Geosciences, atmospheric, and ocean sciences research doctorate recipients, statistical profile by sex and major field of doctorate: 2025
Table 56	Table 8-8	Health sciences research doctorate recipients, statistical profile by sex and major field of doctorate: 2025
Table 60	Table 8-9	Mathematics and statistics research doctorate recipients, statistical profiles by sex and major field of doctorate: 2025
New	Table 8-10	Multidisciplinary/interdisciplinary sciences research doctorate recipients, statistical profile by sex and major field of doctorate: 2025
Table 58	Table 8-11	Physical sciences research doctorate recipients, statistical profile by sex and major field of doctorate: 2025
Table 62	Table 8-12	Psychology research doctorate recipients, statistical profile by sex and major field of doctorate: 2025
Table 63	Table 8-13	Social sciences research doctorate recipients, statistical profile by sex and major field of doctorate: 2025
Table 66	Table 8-14	Education research doctorate recipients, statistical profile by sex and major field of doctorate: 2025

Table B-1. SED data table crosswalk: 2020 vs. 2021–present

(Crosswalk)

2020	2021–present	2025 table title
Table 68	Table 8-15	Humanities research doctorate recipients, statistical profile by sex and major field of doctorate: 2025
Table 70	Table 8-16	Business research doctorate recipients, statistical profile by sex and major field of doctorate: 2025
Table 70	Table 8-17	Visual and performing arts research doctorate recipients, statistical profile by sex and major field of doctorate: 2025
Table 70	Table 8-18	Other non-science and engineering research doctorate recipients, statistical profile by sex and major field of doctorate: 2025
Table 72	Table 8-19	Statistical profile of research doctorate recipients, by ethnicity, race, and citizenship status: 2025
Postgraduation plans of research doctorate recipients		
Table 55	Table 9-1	Science and engineering research doctorate recipients, postgraduation plans by sex and broad field of doctorate: 2025
Table 55	Table 9-2	Non-science and engineering research doctorate recipients, postgraduation plans by sex and broad field of doctorate: 2025
Table 57	Table 9-3	Agricultural sciences and natural resources research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2025
Table 57	Table 9-4	Biological and biomedical sciences research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2025
Table 61	Table 9-5	Computer and information sciences research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2025
Table 65	Table 9-6	Engineering research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2025
Table 59	Table 9-7	Geosciences, atmospheric, and ocean sciences research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2025
Table 57	Table 9-8	Health sciences research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2025
Table 61	Table 9-9	Mathematics and statistics research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2025
New	Table 9-10	Multidisciplinary/interdisciplinary sciences research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2025
Table 59	Table 9-11	Physical sciences research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2025
Table 62	Table 9-12	Psychology research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2025
Table 63	Table 9-13	Social sciences research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2025
Table 67	Table 9-14	Education research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2025

Table B-1. SED data table crosswalk: 2020 vs. 2021–present

(Crosswalk)

2020	2021–present	2025 table title
Table 69	Table 9-15	Humanities research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2025
Table 71	Table 9-16	Business research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2025
Table 71	Table 9-17	Visual and performing arts research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2025
Table 71	Table 9-18	Other non-science and engineering research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2025
Table 72	Table 9-19	Postgraduation plans of research doctorate recipients, by ethnicity, race, and citizenship status: 2025
Technical tables		
Table A-2	Table A-1	Research doctoral degrees included in the Survey of Earned Doctorates: 2020–25
Table A-3	Table A-2	Survey response rates: 1970–2025
Table A-4	Table A-3	Survey item response rates: 2019–25
Table A-6	Table A-4	SED field of doctorate taxonomy, by SED-CIP series/codes: 2025
<i>New</i>	Table A-5	Doctoral SED-CIP code to current and trend field taxonomies: 2025
<i>New</i>	Table A-6	Historical SED-FOS code crosswalk to trend broad and major fields for data collected prior to SED 2021: 2025
<i>New</i>	Table A-7	Comparison of the current field taxonomy to the trend field and the historical field taxonomies, by field level: 2025
<i>New</i>	Table B-1	SED data table crosswalk: 2020 vs. 2021–present

CIP = Classification of Instructional Programs; SED = Survey of Earned Doctorates.

Note(s):

The survey data collection for the field of study changed in 2021, which may affect the data comparisons across years. This table uses the new field taxonomy based on a modified version of the 2020 Classification of Instructional Programs (CIP) codes and does not match data that uses the trend field taxonomy. 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.

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