

TABLE 1-2

Research doctorate recipients, by trend broad field of doctorate and 2021 Carnegie Classification of doctorate institution: 2013–23

(Number)

Field and 2021 Carnegie Classification	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
All doctorate recipients	52,703	53,986	54,886	54,809	54,550	55,078	55,599	55,203	52,160	57,448	57,862
R1: doctoral universities - very high research	43,852	44,487	45,006	44,840	44,678	45,039	45,359	44,978	42,383	47,070	47,445
R2: doctoral universities - high research	5,347	5,788	6,012	6,063	6,131	6,073	6,180	6,188	5,768	6,060	6,208
Doctoral/ professional universities	1,492	1,755	1,747	1,870	1,756	1,908	1,822	1,967	1,998	1,932	1,810
Other universities	2,012	1,956	2,121	2,036	1,985	2,058	2,238	2,070	2,011	2,386	2,399
Science and engineering	39,084	40,708	41,247	41,306	41,364	42,144	42,897	42,564	40,819	45,402	45,533
R1: doctoral universities - very high research	32,935	33,960	34,307	34,343	34,530	35,017	35,545	35,281	33,844	37,847	37,975
R2: doctoral universities - high research	3,686	4,059	4,194	4,175	4,210	4,330	4,440	4,480	4,190	4,433	4,582
Doctoral/ professional universities	912	1,129	1,060	1,141	1,058	1,162	1,108	1,171	1,165	1,180	1,075
Other universities	1,551	1,560	1,686	1,647	1,566	1,635	1,804	1,632	1,620	1,942	1,901
Agricultural sciences and natural resources	1,391	1,380	1,490	1,428	1,543	1,499	1,538	1,531	1,412	1,509	1,477
R1: doctoral universities - very high research	1,240	1,212	1,328	1,258	1,375	1,349	1,392	1,353	1,259	1,340	1,332
R2: doctoral universities - high research	140	152	148	151	145	137	130	153	135	143	130
Doctoral/ professional universities	0	1	3	1	5	1	5	7	4	7	4
Other universities	11	15	11	18	18	12	11	18	14	19	11
Biological and biomedical sciences	8,707	8,868	8,783	8,863	8,567	8,782	8,678	8,403	8,131	9,208	9,575
R1: doctoral universities - very high research	7,023	7,031	6,905	7,048	6,889	6,958	6,855	6,743	6,460	7,328	7,647
R2: doctoral universities - high research	584	705	700	666	675	706	697	681	645	705	752
Doctoral/ professional universities	107	105	93	157	78	97	45	60	72	56	58
Other universities	993	1,027	1,085	992	925	1,021	1,081	919	954	1,119	1,118
Computer and information sciences	1,843	1,988	2,003	2,082	1,998	2,000	2,220	2,363	2,360	2,607	2,687
R1: doctoral universities - very high research	1,620	1,748	1,752	1,798	1,719	1,752	1,902	2,036	2,046	2,276	2,330
R2: doctoral universities - high research	192	215	207	242	230	197	274	277	271	276	281
Doctoral/ professional universities	8	7	18	14	15	25	10	6	6	10	35
Other universities	23	18	26	28	34	26	34	44	37	45	41
Engineering	9,000	9,626	9,875	9,459	9,774	10,164	10,298	10,468	10,230	11,519	11,403
R1: doctoral universities - very high research	8,123	8,734	8,850	8,478	8,760	8,971	9,126	9,279	9,048	10,208	10,104
R2: doctoral universities - high research	774	808	930	891	894	1,071	1,047	1,072	1,049	1,140	1,122
Doctoral/ professional universities	20	27	27	28	38	33	30	25	30	27	37
Other universities	83	57	68	62	82	89	95	92	103	144	140
Geosciences, atmospheric, and ocean sciences	989	1,098	1,057	1,227	1,169	1,185	1,272	1,241	1,064	1,181	1,231
R1: doctoral universities - very high research	892	955	958	1,084	1,027	1,070	1,126	1,096	933	1,046	1,086
R2: doctoral universities - high research	88	132	92	127	132	103	137	136	119	126	129
Doctoral/ professional universities	1	2	1	2	1	2	2	3	2	2	3
Other universities	8	9	6	14	9	10	7	6	10	7	13
Health sciences	2,109	2,236	2,220	2,248	2,443	2,473	2,532	2,606	2,250	2,473	2,435

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Field and 2021 Carnegie Classification	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
R1: doctoral universities - very high research	1,600	1,572	1,537	1,557	1,705	1,750	1,749	1,828	1,538	1,686	1,657
R2: doctoral universities - high research	216	272	300	285	288	325	368	333	345	338	371
Doctoral/ professional universities	166	214	208	213	258	231	232	271	209	240	204
Other universities	127	178	175	193	192	167	183	174	158	209	203
Mathematics and statistics	1,817	1,874	1,815	1,872	1,844	2,022	2,010	2,024	2,010	2,247	2,167
R1: doctoral universities - very high research	1,664	1,727	1,679	1,707	1,675	1,835	1,846	1,802	1,839	2,082	1,974
R2: doctoral universities - high research	132	133	121	157	160	175	154	212	156	140	176
Doctoral/ professional universities	4	8	2	2	1	5	2	5	9	9	10
Other universities	17	6	13	6	8	7	8	5	6	16	7
Physical sciences	4,595	4,812	4,859	5,024	4,913	5,144	5,306	5,000	4,710	5,468	5,460
R1: doctoral universities - very high research	4,141	4,323	4,376	4,539	4,461	4,634	4,805	4,487	4,285	4,971	4,963
R2: doctoral universities - high research	393	436	423	419	397	438	430	441	357	421	430
Doctoral/ professional universities	5	16	13	8	7	7	5	9	12	7	1
Other universities	56	37	47	58	48	65	66	63	56	69	66
Psychology	3,592	3,724	3,776	3,910	3,925	3,821	3,909	3,868	3,777	3,952	3,899
R1: doctoral universities - very high research	2,192	2,245	2,246	2,342	2,465	2,295	2,314	2,281	2,237	2,362	2,369
R2: doctoral universities - high research	692	701	737	767	731	719	716	699	656	696	695
Doctoral/ professional universities	515	616	597	589	531	611	608	630	648	636	594
Other universities	193	162	196	212	198	196	271	258	236	258	241
Social sciences	5,041	5,102	5,369	5,193	5,188	5,054	5,134	5,060	4,875	5,238	5,199
R1: doctoral universities - very high research	4,440	4,413	4,676	4,532	4,454	4,403	4,430	4,376	4,199	4,548	4,513
R2: doctoral universities - high research	475	505	536	470	558	459	487	476	457	448	496
Doctoral/ professional universities	86	133	98	127	124	150	169	155	173	186	129
Other universities	40	51	59	64	52	42	48	53	46	56	61
Non-science and engineering	13,619	13,278	13,639	13,503	13,186	12,934	12,702	12,639	11,341	12,046	12,329
R1: doctoral universities - very high research	10,917	10,527	10,699	10,497	10,148	10,022	9,814	9,697	8,539	9,223	9,470
R2: doctoral universities - high research	1,661	1,729	1,818	1,888	1,921	1,743	1,740	1,708	1,578	1,627	1,626
Doctoral/ professional universities	580	626	687	729	698	746	714	796	833	752	735
Other universities	461	396	435	389	419	423	434	438	391	444	498
Business	1,551	1,584	1,582	1,509	1,566	1,473	1,529	1,466	1,389	1,447	1,560
R1: doctoral universities - very high research	1,220	1,204	1,239	1,184	1,145	1,096	1,146	1,118	1,018	1,135	1,265
R2: doctoral universities - high research	143	185	147	163	194	165	165	172	171	160	160
Doctoral/ professional universities	135	160	169	129	193	181	173	145	173	134	106
Other universities	53	35	27	33	34	31	45	31	27	18	29
Education	4,934	4,789	5,098	5,146	4,825	4,818	4,628	4,712	4,239	4,471	4,562
R1: doctoral universities - very high research	3,602	3,467	3,569	3,573	3,378	3,373	3,229	3,284	2,892	3,143	3,162

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(Number)

Field and 2021 Carnegie Classification	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
R2: doctoral universities - high research	924	922	1,087	1,074	1,066	989	994	953	887	879	896
Doctoral/ professional universities	317	336	372	421	317	375	328	400	396	371	392
Other universities	91	64	70	78	64	81	77	75	64	78	112
Humanities and arts	5,662	5,446	5,522	5,416	5,209	5,139	5,051	4,924	4,132	4,456	4,453
R1: doctoral universities - very high research	4,827	4,632	4,684	4,562	4,362	4,342	4,273	4,108	3,436	3,703	3,713
R2: doctoral universities - high research	466	477	450	513	487	437	406	430	342	368	368
Doctoral/ professional universities	78	66	80	103	71	81	80	86	85	86	65
Other universities	291	271	308	238	289	279	292	300	269	299	307
Other non-science and engineering	1,472	1,459	1,437	1,432	1,586	1,504	1,494	1,537	1,581	1,672	1,754
R1: doctoral universities - very high research	1,268	1,224	1,207	1,178	1,263	1,211	1,166	1,187	1,193	1,242	1,330
R2: doctoral universities - high research	128	145	134	138	174	152	175	153	178	220	202
Doctoral/ professional universities	50	64	66	76	117	109	133	165	179	161	172
Other universities	26	26	30	40	32	32	20	32	31	49	50

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

Source(s):

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