

Table 1-2. Research doctorate recipients, by trend broad field of doctorate and 2021 Carnegie Classification of doctorate institution: 2014–24

(Number)

Field and 2021 Carnegie Classification	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
All doctorate recipients	53,986	54,886	54,809	54,550	55,077	55,598	55,200	52,159	57,439	57,806	58,131
R1: doctoral universities - very high research	44,487	45,006	44,840	44,678	45,038	45,359	44,977	42,383	47,064	47,430	47,251
R2: doctoral universities - high research	5,788	6,012	6,063	6,131	6,073	6,179	6,186	5,768	6,058	6,192	6,361
Doctoral/ professional universities	1,755	1,747	1,870	1,756	1,908	1,822	1,967	1,997	1,931	1,801	2,025
Other universities	1,956	2,121	2,036	1,985	2,058	2,238	2,070	2,011	2,386	2,383	2,494
Science and engineering	40,708	41,247	41,306	41,364	42,144	42,897	42,561	40,818	45,393	45,493	45,929
R1: doctoral universities - very high research	33,960	34,307	34,343	34,530	35,017	35,545	35,280	33,844	37,841	37,963	38,061
R2: doctoral universities - high research	4,059	4,194	4,175	4,210	4,330	4,440	4,478	4,190	4,431	4,568	4,654
Doctoral/ professional universities	1,129	1,060	1,141	1,058	1,162	1,108	1,171	1,164	1,179	1,073	1,253
Other universities	1,560	1,686	1,647	1,566	1,635	1,804	1,632	1,620	1,942	1,889	1,961
Agricultural sciences and natural resources	1,380	1,490	1,428	1,543	1,499	1,538	1,531	1,412	1,509	1,477	1,478
R1: doctoral universities - very high research	1,212	1,328	1,258	1,375	1,349	1,392	1,353	1,259	1,340	1,332	1,305
R2: doctoral universities - high research	152	148	151	145	137	130	153	135	143	130	149
Doctoral/ professional universities	1	3	1	5	1	5	7	4	7	4	3
Other universities	15	11	18	18	12	11	18	14	19	11	21
Biological and biomedical sciences	8,868	8,783	8,863	8,567	8,782	8,678	8,403	8,131	9,206	9,566	9,700
R1: doctoral universities - very high research	7,031	6,905	7,048	6,889	6,958	6,855	6,743	6,460	7,326	7,646	7,782
R2: doctoral universities - high research	705	700	666	675	706	697	681	645	705	751	692
Doctoral/ professional universities	105	93	157	78	97	45	60	72	56	58	52
Other universities	1,027	1,085	992	925	1,021	1,081	919	954	1,119	1,111	1,174
Computer and information sciences	1,988	2,003	2,082	1,998	2,000	2,220	2,363	2,360	2,607	2,686	2,982
R1: doctoral universities - very high research	1,748	1,752	1,798	1,719	1,752	1,902	2,036	2,046	2,276	2,331	2,564
R2: doctoral universities - high research	215	207	242	230	197	274	277	271	276	281	328
Doctoral/ professional universities	7	18	14	15	25	10	6	6	10	35	28
Other universities	18	26	28	34	26	34	44	37	45	39	62
Engineering	9,626	9,875	9,459	9,774	10,164	10,298	10,468	10,230	11,516	11,398	11,169
R1: doctoral universities - very high research	8,734	8,850	8,478	8,760	8,971	9,126	9,279	9,048	10,205	10,100	9,926
R2: doctoral universities - high research	808	930	891	894	1,071	1,047	1,072	1,049	1,140	1,121	1,095
Doctoral/ professional universities	27	27	28	38	33	30	25	30	27	37	39
Other universities	57	68	62	82	89	95	92	103	144	140	109
Geosciences, atmospheric, and ocean sciences	1,098	1,057	1,227	1,169	1,185	1,272	1,241	1,064	1,181	1,231	1,229
R1: doctoral universities - very high research	955	958	1,084	1,027	1,070	1,126	1,096	933	1,046	1,086	1,108
R2: doctoral universities - high research	132	92	127	132	103	137	136	119	126	129	110
Doctoral/ professional universities	2	1	2	1	2	2	3	2	2	3	2
Other universities	9	6	14	9	10	7	6	10	7	13	9
Health sciences	2,236	2,220	2,248	2,443	2,473	2,532	2,606	2,249	2,472	2,435	2,509
R1: doctoral universities - very high research	1,572	1,537	1,557	1,705	1,750	1,749	1,828	1,538	1,686	1,657	1,693
R2: doctoral universities - high research	272	300	285	288	325	368	333	345	338	371	370

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Doctoral/ professional universities	214	208	213	258	231	232	271	208	239	204	229
Other universities	178	175	193	192	167	183	174	158	209	203	217
Mathematics and statistics	1,874	1,815	1,872	1,844	2,022	2,010	2,024	2,010	2,247	2,165	2,093
R1: doctoral universities - very high research	1,727	1,679	1,707	1,675	1,835	1,846	1,802	1,839	2,082	1,972	1,891
R2: doctoral universities - high research	133	121	157	160	175	154	212	156	140	176	187
Doctoral/ professional universities	8	2	2	1	5	2	5	9	9	10	11
Other universities	6	13	6	8	7	8	5	6	16	7	4
Physical sciences	4,812	4,859	5,024	4,913	5,144	5,306	5,000	4,710	5,467	5,456	5,401
R1: doctoral universities - very high research	4,323	4,376	4,539	4,461	4,634	4,805	4,487	4,285	4,970	4,961	4,860
R2: doctoral universities - high research	436	423	419	397	438	430	441	357	421	429	458
Doctoral/ professional universities	16	13	8	7	7	5	9	12	7	1	4
Other universities	37	47	58	48	65	66	63	56	69	65	79
Psychology	3,724	3,776	3,910	3,925	3,821	3,909	3,865	3,777	3,952	3,883	4,083
R1: doctoral universities - very high research	2,245	2,246	2,342	2,465	2,295	2,314	2,280	2,237	2,362	2,365	2,384
R2: doctoral universities - high research	701	737	767	731	719	716	697	656	696	685	760
Doctoral/ professional universities	616	597	589	531	611	608	630	648	636	592	724
Other universities	162	196	212	198	196	271	258	236	258	241	215
Social sciences	5,102	5,369	5,193	5,188	5,054	5,134	5,060	4,875	5,236	5,196	5,285
R1: doctoral universities - very high research	4,413	4,676	4,532	4,454	4,403	4,430	4,376	4,199	4,548	4,513	4,548
R2: doctoral universities - high research	505	536	470	558	459	487	476	457	446	495	505
Doctoral/ professional universities	133	98	127	124	150	169	155	173	186	129	161
Other universities	51	59	64	52	42	48	53	46	56	59	71
Non-science and engineering	13,278	13,639	13,503	13,186	12,933	12,701	12,639	11,341	12,046	12,313	12,202
R1: doctoral universities - very high research	10,527	10,699	10,497	10,148	10,021	9,814	9,697	8,539	9,223	9,467	9,190
R2: doctoral universities - high research	1,729	1,818	1,888	1,921	1,743	1,739	1,708	1,578	1,627	1,624	1,707
Doctoral/ professional universities	626	687	729	698	746	714	796	833	752	728	772
Other universities	396	435	389	419	423	434	438	391	444	494	533
Business	1,584	1,582	1,509	1,566	1,473	1,528	1,466	1,389	1,447	1,557	1,400
R1: doctoral universities - very high research	1,204	1,239	1,184	1,145	1,096	1,146	1,118	1,018	1,135	1,265	1,070
R2: doctoral universities - high research	185	147	163	194	165	164	172	171	160	160	159
Doctoral/ professional universities	160	169	129	193	181	173	145	173	134	105	127
Other universities	35	27	33	34	31	45	31	27	18	27	44
Education	4,789	5,098	5,146	4,825	4,817	4,628	4,712	4,239	4,471	4,554	4,534
R1: doctoral universities - very high research	3,467	3,569	3,573	3,378	3,372	3,229	3,284	2,892	3,143	3,160	3,042
R2: doctoral universities - high research	922	1,087	1,074	1,066	989	994	953	887	879	894	974
Doctoral/ professional universities	336	372	421	317	375	328	400	396	371	388	362
Other universities	64	70	78	64	81	77	75	64	78	112	156
Humanities and arts	5,446	5,522	5,416	5,209	5,139	5,051	4,924	4,132	4,456	4,452	4,491

Table 1-2. Research doctorate recipients, by trend broad field of doctorate and 2021 Carnegie Classification of doctorate institution: 2014–24

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Field and 2021 Carnegie Classification	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
R1: doctoral universities - very high research	4,632	4,684	4,562	4,362	4,342	4,273	4,108	3,436	3,703	3,712	3,790
R2: doctoral universities - high research	477	450	513	487	437	406	430	342	368	368	356
Doctoral/ professional universities	66	80	103	71	81	80	86	85	86	65	76
Other universities	271	308	238	289	279	292	300	269	299	307	269
Other non-science and engineering	1,459	1,437	1,432	1,586	1,504	1,494	1,537	1,581	1,672	1,750	1,777
R1: doctoral universities - very high research	1,224	1,207	1,178	1,263	1,211	1,166	1,187	1,193	1,242	1,330	1,288
R2: doctoral universities - high research	145	134	138	174	152	175	153	178	220	202	218
Doctoral/ professional universities	64	66	76	117	109	133	165	179	161	170	207
Other universities	26	30	40	32	32	20	32	31	49	48	64

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.