

Table 1-2

Research doctorate recipients, by historical broad field of doctorate and 2018 Carnegie Classification of doctorate institution: 2012–22

(Number)

Field and 2018 Carnegie Classification	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
All doctorate recipients	50,943	52,703	53,986	54,886	54,809	54,552	55,078	55,609	55,208	52,194	57,596
R1: doctoral universities - very high research	41,251	42,639	43,190	43,624	43,351	43,259	43,600	43,933	43,442	41,004	45,592
R2: doctoral universities - high research	6,126	6,460	6,973	7,280	7,475	7,442	7,406	7,465	7,564	7,058	7,466
Doctoral/ professional universities	1,436	1,506	1,797	1,787	1,872	1,874	1,934	1,911	2,051	2,044	2,101
Other universities	2,130	2,098	2,026	2,195	2,111	1,977	2,138	2,300	2,151	2,088	2,437
Life sciences ^a	11,964	12,207	12,484	12,493	12,539	12,554	12,754	12,748	12,541	11,800	13,211
R1: doctoral universities - very high research	9,400	9,653	9,603	9,555	9,619	9,749	9,796	9,763	9,688	9,049	10,109
R2: doctoral universities - high research	1,148	1,183	1,361	1,346	1,385	1,331	1,421	1,384	1,371	1,328	1,415
Doctoral/ professional universities	196	225	314	326	336	357	329	326	375	306	363
Other universities	1,220	1,146	1,206	1,266	1,199	1,117	1,208	1,275	1,107	1,117	1,324
Physical sciences and earth sciences	5,419	5,584	5,910	5,916	6,251	6,082	6,329	6,579	6,241	5,776	6,649
R1: doctoral universities - very high research	4,757	4,882	5,108	5,153	5,433	5,323	5,525	5,738	5,410	5,049	5,840
R2: doctoral universities - high research	590	635	744	701	745	701	726	766	757	653	727
Doctoral/ professional universities	8	2	7	5	6	5	7	4	10	8	10
Other universities	64	65	51	57	67	53	71	71	64	66	72
Mathematics and computer sciences	3,496	3,660	3,862	3,818	3,954	3,842	4,022	4,230	4,387	4,370	4,854
R1: doctoral universities - very high research	3,060	3,175	3,346	3,316	3,365	3,259	3,469	3,618	3,721	3,764	4,179
R2: doctoral universities - high research	390	438	472	442	536	519	491	558	601	543	591
Doctoral/ professional universities	25	20	26	37	29	37	43	24	34	31	37
Other universities	21	27	18	23	24	27	19	30	31	32	47
Psychology and social sciences	8,498	8,580	8,748	9,073	9,037	9,034	8,875	9,043	8,928	8,655	9,235
R1: doctoral universities - very high research	6,365	6,413	6,367	6,664	6,603	6,612	6,510	6,535	6,440	6,242	6,714
R2: doctoral universities - high research	1,242	1,275	1,383	1,423	1,409	1,474	1,329	1,379	1,344	1,289	1,308
Doctoral/ professional universities	582	591	708	666	694	664	733	764	777	790	851
Other universities	309	301	290	320	331	284	303	365	367	334	362
Engineering	8,469	9,000	9,626	9,875	9,459	9,776	10,164	10,298	10,468	10,233	11,530
R1: doctoral universities - very high research	7,531	7,930	8,546	8,604	8,230	8,521	8,746	8,893	8,984	8,795	9,907
R2: doctoral universities - high research	845	967	996	1,176	1,140	1,135	1,293	1,279	1,361	1,301	1,441
Doctoral/ professional universities	26	22	30	32	31	41	39	31	30	33	35
Other universities	67	81	54	63	58	79	86	95	93	104	147
Education	4,802	4,934	4,789	5,098	5,146	4,826	4,818	4,633	4,714	4,252	4,509
R1: doctoral universities - very high research	3,372	3,406	3,274	3,334	3,339	3,129	3,128	2,998	3,021	2,659	2,943
R2: doctoral universities - high research	1,043	1,098	1,093	1,291	1,277	1,299	1,214	1,198	1,191	1,097	1,080
Doctoral/ professional universities	282	306	339	374	420	326	373	345	396	402	392
Other universities	105	124	83	99	110	72	103	92	106	94	94
Humanities and arts	5,561	5,715	5,524	5,594	5,482	5,286	5,139	5,051	4,924	4,134	4,464

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(Number)

Field and 2018 Carnegie Classification	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
R1: doctoral universities - very high research	4,554	4,774	4,596	4,628	4,480	4,329	4,215	4,143	3,979	3,319	3,600
R2: doctoral universities - high research	569	520	535	549	615	550	526	498	515	426	459
Doctoral/ professional universities	152	123	117	108	132	115	109	104	111	105	88
Other universities	286	298	276	309	255	292	289	306	319	284	317
Other ^b	2,734	3,023	3,043	3,019	2,941	3,152	2,977	3,027	3,005	2,974	3,144
R1: doctoral universities - very high research	2,212	2,406	2,350	2,370	2,282	2,337	2,211	2,245	2,199	2,127	2,300
R2: doctoral universities - high research	299	344	389	352	368	433	406	403	424	421	445
Doctoral/ professional universities	165	217	256	239	224	329	301	313	318	369	325
Other universities	58	56	48	58	67	53	59	66	64	57	74

^a Includes agricultural sciences and natural resources, biological and biomedical sciences, and health sciences.

^b Includes other non-science and engineering fields not shown separately.

Note(s):

Carnegie classification is based on the 2018 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 historical 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, see the "Technical Notes" and the SED 2021 Taxonomy Changes Working Paper (available at <https://nces.nsf.gov/pubs/nces23200>).

Source(s):

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