

Table 1-2

Research doctorate recipients, by historical broad field of doctorate and 2018 Carnegie Classification of doctorate institution: 2011–21

(Number)

Field and 2018 Carnegie Classification	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
All doctorate recipients	48,909	50,943	52,703	53,986	54,886	54,809	54,552	55,080	55,609	55,224	52,250
R1: doctoral universities - very high research	39,720	41,251	42,639	43,190	43,624	43,351	43,259	43,600	43,933	43,447	41,025
R2: doctoral universities - high research	5,859	6,126	6,460	6,973	7,280	7,475	7,442	7,408	7,465	7,566	7,066
Doctoral/ professional universities	1,288	1,408	1,484	1,774	1,746	1,847	1,838	1,908	1,877	2,025	2,022
Other universities	2,042	2,158	2,120	2,049	2,236	2,136	2,013	2,164	2,334	2,186	2,137
Life sciences ^a	11,535	11,964	12,207	12,484	12,493	12,539	12,554	12,754	12,748	12,549	11,814
R1: doctoral universities - very high research	9,144	9,400	9,653	9,603	9,555	9,619	9,749	9,796	9,763	9,689	9,057
R2: doctoral universities - high research	1,060	1,148	1,183	1,361	1,346	1,385	1,331	1,421	1,384	1,371	1,329
Doctoral/ professional universities	162	172	205	294	290	315	325	309	293	353	282
Other universities	1,169	1,244	1,166	1,226	1,302	1,220	1,149	1,228	1,308	1,136	1,146
Physical sciences and earth sciences	5,271	5,419	5,584	5,910	5,916	6,251	6,082	6,330	6,579	6,241	5,757
R1: doctoral universities - very high research	4,619	4,757	4,882	5,108	5,153	5,433	5,323	5,525	5,738	5,410	5,037
R2: doctoral universities - high research	586	590	635	744	701	745	701	727	766	757	646
Doctoral/ professional universities	2	8	2	7	5	6	5	7	4	10	7
Other universities	64	64	65	51	57	67	53	71	71	64	67
Mathematics and computer sciences	3,273	3,496	3,660	3,862	3,818	3,954	3,842	4,022	4,230	4,387	4,373
R1: doctoral universities - very high research	2,882	3,060	3,175	3,346	3,316	3,365	3,259	3,469	3,618	3,721	3,766
R2: doctoral universities - high research	348	390	438	472	442	536	519	491	558	601	543
Doctoral/ professional universities	27	25	20	26	37	29	37	43	24	34	32
Other universities	16	21	27	18	23	24	27	19	30	31	32
Psychology and social sciences	8,220	8,498	8,580	8,748	9,073	9,037	9,034	8,876	9,043	8,932	8,675
R1: doctoral universities - very high research	6,182	6,365	6,413	6,367	6,664	6,603	6,612	6,510	6,535	6,441	6,243
R2: doctoral universities - high research	1,230	1,242	1,275	1,383	1,423	1,409	1,474	1,330	1,379	1,346	1,294
Doctoral/ professional universities	510	582	591	708	666	694	664	733	764	778	792
Other universities	298	309	301	290	320	331	284	303	365	367	346
Engineering	8,032	8,469	9,000	9,626	9,875	9,459	9,776	10,164	10,298	10,471	10,240
R1: doctoral universities - very high research	7,152	7,531	7,930	8,546	8,604	8,230	8,521	8,746	8,893	8,986	8,800
R2: doctoral universities - high research	771	845	967	996	1,176	1,140	1,135	1,293	1,279	1,361	1,302
Doctoral/ professional universities	27	22	20	27	27	27	38	33	30	25	31
Other universities	82	71	83	57	68	62	82	92	96	99	107
Education	4,670	4,802	4,934	4,789	5,098	5,146	4,826	4,818	4,633	4,715	4,252
R1: doctoral universities - very high research	3,269	3,372	3,406	3,274	3,334	3,339	3,129	3,128	2,998	3,022	2,661
R2: doctoral universities - high research	986	1,043	1,098	1,093	1,291	1,277	1,299	1,214	1,198	1,191	1,095
Doctoral/ professional universities	305	282	306	339	374	420	325	373	345	396	402
Other universities	110	105	124	83	99	110	73	103	92	106	94

Table 1-2**Research doctorate recipients, by historical broad field of doctorate and 2018 Carnegie Classification of doctorate institution: 2011–21**

(Number)

Field and 2018 Carnegie Classification	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Humanities and arts	5,225	5,561	5,715	5,524	5,594	5,482	5,286	5,139	5,051	4,924	4,137
R1: doctoral universities - very high research	4,327	4,554	4,774	4,596	4,628	4,480	4,329	4,215	4,143	3,979	3,319
R2: doctoral universities - high research	529	569	520	535	549	615	550	526	498	515	426
Doctoral/ professional universities	101	152	123	117	108	132	115	109	104	111	105
Other universities	268	286	298	276	309	255	292	289	306	319	287
Other ^b	2,683	2,734	3,023	3,043	3,019	2,941	3,152	2,977	3,027	3,005	3,002
R1: doctoral universities - very high research	2,145	2,212	2,406	2,350	2,370	2,282	2,337	2,211	2,245	2,199	2,142
R2: doctoral universities - high research	349	299	344	389	352	368	433	406	403	424	431
Doctoral/ professional universities	154	165	217	256	239	224	329	301	313	318	371
Other universities	35	58	56	48	58	67	53	59	66	64	58

^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 in 2021 may not be comparable to prior years; see the "Technical Notes" for more information, table A-4 for a summary of SED-CIP codes in the new SED field taxonomy, and table A-5 for a full list of SED-CIP codes in the new field taxonomy.

Source(s):

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