

Table 5-4

## Baccalaureate-origin institution characteristics of research doctorate recipients, by broad field of doctorate: 2021

(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 <sup>a</sup>	
Doctorate recipients reporting bachelor's degree	49,523	39,263	1,147	7,901	2,059	9,122	1,006	2,380	1,847	1,228	4,612	3,425	4,536	10,260	1,261	3,508	2,892	733	1,866	
U.S. baccalaureate-origin institutions	31,036	23,597	667	5,869	653	3,649	653	1,790	899	646	2,763	3,105	2,903	7,439	574	2,834	2,241	567	1,223	
Institution control																				
Public	18,629	14,279	506	3,556	362	2,455	433	1,117	479	398	1,589	1,773	1,611	4,350	325	1,938	1,082	249	756	
Private, not-for-profit	12,305	9,241	161	2,309	289	1,188	219	656	419	248	1,174	1,305	1,273	3,064	240	886	1,157	318	463	
Private, for-profit	102	77	0	4	2	6	1	17	1	0	0	27	19	25	9	10	2	0	4	
2018 Carnegie Classification																				
R1: doctoral universities - very high research	15,934	12,897	396	3,254	388	2,594	365	805	479	348	1,394	1,460	1,414	3,037	271	1,089	923	239	515	
R2: doctoral universities - high research	4,143	3,021	76	691	84	498	80	258	93	98	343	425	375	1,122	81	543	252	70	176	
Doctoral/ professional universities	1,340	930	19	201	19	49	19	132	39	22	116	182	132	410	30	151	118	30	81	
Master's colleges and universities	4,935	3,362	98	830	69	247	77	366	124	84	448	567	452	1,573	121	675	432	86	259	
Baccalaureate colleges	4,256	3,125	76	840	80	219	101	177	157	89	456	432	498	1,131	57	318	464	120	172	
Other <sup>b</sup>	428	262	2	53	13	42	11	52	7	5	6	39	32	166	14	58	52	22	20	
Historically Black college or university																				
Yes	575	342	9	71	16	30	0	61	6	15	25	48	61	233	18	131	29	2	53	
No	30,461	23,255	658	5,798	637	3,619	653	1,729	893	631	2,738	3,057	2,842	7,206	556	2,703	2,212	565	1,170	
Non-U.S. baccalaureate-origin institutions	17,616	15,008	465	1,927	1,368	5,300	339	554	914	561	1,761	272	1,547	2,608	647	592	610	154	605	
Top countries or economies	12,844	11,155	281	1,369	1,108	4,281	242	381	692	436	1,314	184	867	1,689	471	382	337	97	402	
China	5,541	4,984	127	594	511	1,752	126	136	447	162	725	64	340	557	212	143	57	20	125	
India	2,257	2,099	62	301	210	914	22	86	64	98	230	21	91	158	62	27	20	9	40	
Iran	1,306	1,196	9	79	136	709	18	16	26	62	106	3	32	110	45	18	9	8	30	
South Korea	967	656	12	50	47	209	13	35	41	29	58	25	137	311	83	59	69	14	86	
Canada	484	344	5	80	19	54	17	17	24	18	28	35	47	140	11	17	69	12	31	
Saudi Arabia	455	338	9	51	57	102	3	42	17	13	22	3	19	117	9	62	20	2	24	
Taiwan	441	393	8	69	28	130	10	21	14	10	58	5	40	48	10	11	13	7	7	
Bangladesh	429	407	9	38	57	197	9	13	10	20	36	1	17	22	6	1	1	0	14	
Turkey	402	316	9	25	16	135	1	4	17	10	22	16	61	86	19	32	13	2	20	
Brazil	281	243	28	44	12	60	12	6	15	11	12	3	40	38	7	5	10	7	9	
United Kingdom	281	179	3	38	15	19	11	5	17	3	17	8	43	102	7	7	56	16	16	

<sup>a</sup> Includes other non-science and engineering fields not shown separately.<sup>b</sup> Includes special focus institutions, tribal colleges, and unclassified institutions.**Note(s):**

Tied countries or economies are listed alphabetically. Beginning in 2021, a modified version of the 2020 Classification of Instructional Programs (CIP) codes was used in the survey data collection, and the new broad, major, and detailed fields were used in tables reporting only the most recent data year. 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, table A-5 for a full list of SED-CIP codes in the new field taxonomy, and table A-6 for the SED-CIP code crosswalk to the historical field taxonomy.

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