

TABLE 5-3

Graduate students, postdoctoral appointees, and doctorate-holding nonfaculty researchers in science, engineering, and health, by broad field and Carnegie classification: 2021

(Number and percent)

2018 Carnegie classification by area of study	Graduate students						Postdoctoral appointees		Doctorate-holding nonfaculty researchers	
	All graduate students		Master's		Doctoral					
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All broad fields	760,156	100.0	466,613	100.0	293,543	100.0	63,328	100.0	30,548	100.0
Doctoral: highest research	500,341	65.8	262,805	56.3	237,536	80.9	52,756	83.3	26,145	85.6
Doctoral: higher research	117,446	15.5	80,527	17.3	36,919	12.6	3,065	4.8	2,779	9.1
Doctoral: moderate research	45,004	5.9	38,748	8.3	6,256	2.1	184	0.3	37	0.1
Master's: larger programs	68,522	9.0	66,724	14.3	1,798	0.6	71	0.1	47	0.2
Master's: medium programs	4,655	0.6	4,298	0.9	357	0.1	37	0.1	66	0.2
Master's: small programs and baccalaureate	3,970	0.5	3,436	0.7	534	0.2	65	0.1	11	*
Medical schools and centers	17,949	2.4	9,098	1.9	8,851	3.0	6,050	9.6	1,141	3.7
Other 4-year special focus	871	0.1	580	0.1	291	0.1	11	*	23	0.1
Not classified	1,398	0.2	397	0.1	1,001	0.3	1,089	1.7	299	1.0
Science	509,784	100.0	305,796	100.0	203,988	100.0	37,189	100.0	18,728	100.0
Doctoral: highest research	325,352	63.8	161,512	52.8	163,840	80.3	30,503	82.0	15,779	84.3
Doctoral: higher research	78,914	15.5	53,302	17.4	25,612	12.6	2,214	6.0	1,980	10.6
Doctoral: moderate research	36,246	7.1	31,503	10.3	4,743	2.3	119	0.3	26	0.1
Master's: larger programs	50,117	9.8	48,995	16.0	1,122	0.6	55	0.1	36	0.2
Master's: medium programs	3,314	0.7	3,137	1.0	177	0.1	14	*	2	*
Master's: small programs and baccalaureate	3,150	0.6	2,699	0.9	451	0.2	53	0.1	10	0.1
Medical schools and centers	11,257	2.2	4,383	1.4	6,874	3.4	3,229	8.7	613	3.3
Other 4-year special focus	331	0.1	127	*	204	0.1	7	*	1	*
Not classified	1,103	0.2	138	*	965	0.5	995	2.7	281	1.5
Engineering	168,050	100.0	95,126	100.0	72,924	100.0	8,340	100.0	3,992	100.0
Doctoral: highest research	131,138	78.0	68,280	71.8	62,858	86.2	7,639	91.6	3,234	81.0
Doctoral: higher research	24,436	14.5	15,621	16.4	8,815	12.1	528	6.3	617	15.5
Doctoral: moderate research	1,862	1.1	1,656	1.7	206	0.3	9	0.1	0	0.0
Master's: larger programs	8,525	5.1	8,197	8.6	328	0.4	14	0.2	10	0.3
Master's: medium programs	640	0.4	460	0.5	180	0.2	23	0.3	64	1.6
Master's: small programs and baccalaureate	443	0.3	395	0.4	48	0.1	3	*	1	*
Medical schools and centers	466	0.3	64	0.1	402	0.6	107	1.3	28	0.7
Other 4-year special focus	540	0.3	453	0.5	87	0.1	4	*	22	0.6
Not classified	0	0.0	0	0.0	0	0.0	13	0.2	16	0.4
Health	82,322	100.0	65,691	100.0	16,631	100.0	17,799	100.0	7,828	100.0
Doctoral: highest research	43,851	53.3	33,013	50.3	10,838	65.2	14,614	82.1	7,132	91.1
Doctoral: higher research	14,096	17.1	11,604	17.7	2,492	15.0	323	1.8	182	2.3
Doctoral: moderate research	6,896	8.4	5,589	8.5	1,307	7.9	56	0.3	11	0.1
Master's: larger programs	9,880	12.0	9,532	14.5	348	2.1	2	*	1	*
Master's: medium programs	701	0.9	701	1.1	0	0.0	0	0.0	0	0.0
Master's: small programs and baccalaureate	377	0.5	342	0.5	35	0.2	9	0.1	0	0.0
Medical schools and centers	6,226	7.6	4,651	7.1	1,575	9.5	2,714	15.2	500	6.4
Other 4-year special focus	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Not classified	295	0.4	259	0.4	36	0.2	81	0.5	2	*

* = value < 0.05%.

Note(s):

Institutions are designated by 2018 Carnegie classification code. Percentages may not add to total because of rounding. For more information on the mapping of Survey of Graduate Students and Postdoctorates in Science and Engineering fields and codes, see technical table A-17.

Source(s):

National Center for Science and Engineering Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering, 2021.