

TABLE 5-3

**Graduate students, postdoctoral appointees, and doctorate-holding nonfaculty researchers in science, engineering, and health, by broad field and Carnegie classification: 2020**

(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	697,813	100.0	414,478	100.0	283,335	100.0	65,681	100.0	29,661	100.0
Doctoral: highest research	455,214	65.2	224,652	54.2	230,562	81.4	54,592	83.1	25,102	84.6
Doctoral: higher research	108,922	15.6	73,200	17.7	35,722	12.6	3,023	4.6	2,588	8.7
Doctoral: moderate research	43,287	6.2	38,134	9.2	5,153	1.8	164	0.2	1	*
Master's: larger programs	62,628	9.0	61,133	14.7	1,495	0.5	92	0.1	59	0.2
Master's: medium programs	4,629	0.7	4,301	1.0	328	0.1	34	0.1	89	0.3
Master's: small programs and baccalaureate	4,034	0.6	3,413	0.8	621	0.2	68	0.1	19	0.1
Medical schools and centers	17,005	2.4	8,807	2.1	8,198	2.9	6,350	9.7	1,472	5.0
Other 4-year special focus	860	0.1	551	0.1	309	0.1	8	*	17	0.1
Not classified	1,234	0.2	287	0.1	947	0.3	1,350	2.1	314	1.1
Science	464,646	100.0	267,904	100.0	196,742	100.0	38,741	100.0	18,212	100.0
Doctoral: highest research	295,679	63.6	136,695	51.0	158,984	80.8	31,581	81.5	15,262	83.8
Doctoral: higher research	71,299	15.3	46,849	17.5	24,450	12.4	2,207	5.7	1,766	9.7
Doctoral: moderate research	34,063	7.3	30,209	11.3	3,854	2.0	104	0.3	1	*
Master's: larger programs	44,962	9.7	43,908	16.4	1,054	0.5	79	0.2	44	0.2
Master's: medium programs	3,323	0.7	3,172	1.2	151	0.1	14	*	15	0.1
Master's: small programs and baccalaureate	3,135	0.7	2,576	1.0	559	0.3	63	0.2	16	0.1
Medical schools and centers	10,750	2.3	4,203	1.6	6,547	3.3	3,432	8.9	816	4.5
Other 4-year special focus	338	0.1	126	*	212	0.1	7	*	1	*
Not classified	1,097	0.2	166	0.1	931	0.5	1,254	3.2	291	1.6
Engineering	157,729	100.0	86,450	100.0	71,279	100.0	8,462	100.0	3,921	100.0
Doctoral: highest research	120,918	76.7	59,569	68.9	61,349	86.1	7,798	92.2	3,174	80.9
Doctoral: higher research	24,220	15.4	15,472	17.9	8,748	12.3	505	6.0	590	15.0
Doctoral: moderate research	2,044	1.3	1,835	2.1	209	0.3	10	0.1	0	0.0
Master's: larger programs	8,392	5.3	8,112	9.4	280	0.4	12	0.1	14	0.4
Master's: medium programs	653	0.4	476	0.6	177	0.2	20	0.2	74	1.9
Master's: small programs and baccalaureate	524	0.3	493	0.6	31	*	3	*	2	0.1
Medical schools and centers	455	0.3	67	0.1	388	0.5	101	1.2	33	0.8
Other 4-year special focus	522	0.3	425	0.5	97	0.1	1	*	16	0.4
Not classified	1	*	1	*	0	0.0	12	0.1	18	0.5
Health	75,438	100.0	60,124	100.0	15,314	100.0	18,478	100.0	7,528	100.0
Doctoral: highest research	38,617	51.2	28,388	47.2	10,229	66.8	15,213	82.3	6,666	88.5
Doctoral: higher research	13,403	17.8	10,879	18.1	2,524	16.5	311	1.7	232	3.1
Doctoral: moderate research	7,180	9.5	6,090	10.1	1,090	7.1	50	0.3	0	0.0
Master's: larger programs	9,274	12.3	9,113	15.2	161	1.1	1	*	1	*
Master's: medium programs	653	0.9	653	1.1	0	0.0	0	0.0	0	0.0
Master's: small programs and baccalaureate	375	0.5	344	0.6	31	0.2	2	*	1	*
Medical schools and centers	5,800	7.7	4,537	7.5	1,263	8.2	2,817	15.2	623	8.3
Other 4-year special focus	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Not classified	136	0.2	120	0.2	16	0.1	84	0.5	5	0.1

\* = value &lt; 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, 2020.