

TABLE 5-3

**Graduate students, postdoctoral appointees, and doctorate-holding nonfaculty researchers in science, engineering, and health, by broad field and Carnegie classification: 2023**

(Number and percent)

2021 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	818,095	100.0	510,866	100.0	307,229	100.0	65,850	100.0	34,342	100.0
Doctoral: highest research	548,593	67.1	297,668	58.3	250,925	81.7	54,748	83.1	30,146	87.8
Doctoral: higher research	122,091	14.9	90,805	17.8	31,286	10.2	2,736	4.2	2,102	6.1
Doctoral/Professional Universities	47,665	5.8	38,179	7.5	9,486	3.1	12	*	0	0.0
Master's: larger programs	68,638	8.4	65,737	12.9	2,901	0.9	91	0.1	40	0.1
Master's: medium programs	6,560	0.8	5,891	1.2	669	0.2	67	0.1	30	0.1
Master's: small programs and baccalaureate	2,470	0.3	2,168	0.4	302	0.1	51	0.1	16	*
Medical schools and centers	7,797	1.0	5,567	1.1	2,230	0.7	1,103	1.7	414	1.2
Other 4-year special focus	12,109	1.5	3,516	0.7	8,593	2.8	6,160	9.4	1,316	3.8
Not classified	2,172	0.3	1,335	0.3	837	0.3	882	1.3	278	0.8
Science	561,489	100.0	348,520	100.0	212,969	100.0	37,982	100.0	20,600	100.0
Doctoral: highest research	363,488	64.7	190,969	54.8	172,519	81.0	31,500	82.9	17,844	86.6
Doctoral: higher research	86,074	15.3	65,255	18.7	20,819	9.8	1,831	4.8	1,412	6.9
Doctoral/Professional Universities	37,888	6.7	30,610	8.8	7,278	3.4	6	*	0	0.0
Master's: larger programs	53,269	9.5	51,051	14.6	2,218	1.0	36	0.1	11	0.1
Master's: medium programs	4,572	0.8	4,096	1.2	476	0.2	52	0.1	13	0.1
Master's: small programs and baccalaureate	1,558	0.3	1,358	0.4	200	0.1	51	0.1	16	0.1
Medical schools and centers	4,462	0.8	2,811	0.8	1,651	0.8	608	1.6	401	1.9
Other 4-year special focus	8,267	1.5	1,260	0.4	7,007	3.3	3,045	8.0	643	3.1
Not classified	1,911	0.3	1,110	0.3	801	0.4	853	2.2	260	1.3
Engineering	175,559	100.0	100,567	100.0	74,992	100.0	9,051	100.0	4,575	100.0
Doctoral: highest research	142,462	81.1	75,700	75.3	66,762	89.0	8,369	92.5	3,999	87.4
Doctoral: higher research	21,344	12.2	14,320	14.2	7,024	9.4	492	5.4	484	10.6
Doctoral/Professional Universities	2,567	1.5	2,376	2.4	191	0.3	5	0.1	0	0.0
Master's: larger programs	7,167	4.1	6,837	6.8	330	0.4	28	0.3	29	0.6
Master's: medium programs	1,124	0.6	931	0.9	193	0.3	14	0.2	17	0.4
Master's: small programs and baccalaureate	393	0.2	318	0.3	75	0.1	0	0.0	0	0.0
Medical schools and centers	5	*	0	0.0	5	*	1	*	0	0.0
Other 4-year special focus	497	0.3	85	0.1	412	0.5	124	1.4	28	0.6
Not classified	0	0.0	0	0.0	0	0.0	18	0.2	18	0.4
Health	81,047	100.0	61,779	100.0	19,268	100.0	18,817	100.0	9,167	100.0
Doctoral: highest research	42,643	52.6	30,999	50.2	11,644	60.4	14,879	79.1	8,303	90.6
Doctoral: higher research	14,673	18.1	11,230	18.2	3,443	17.9	413	2.2	206	2.2
Doctoral/Professional Universities	7,210	8.9	5,193	8.4	2,017	10.5	1	*	0	0.0

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	All graduate students		Master's		Doctoral		Number	Percent	Number	Percent
	Number	Percent	Number	Percent	Number	Percent				
Master's: larger programs	8,202	10.1	7,849	12.7	353	1.8	27	0.1	0	0.0
Master's: medium programs	864	1.1	864	1.4	0	0.0	1	*	0	0.0
Master's: small programs and baccalaureate	519	0.6	492	0.8	27	0.1	0	0.0	0	0.0
Medical schools and centers	3,330	4.1	2,756	4.5	574	3.0	494	2.6	13	0.1
Other 4-year special focus	3,345	4.1	2,171	3.5	1,174	6.1	2,991	15.9	645	7.0
Not classified	261	0.3	225	0.4	36	0.2	11	0.1	0	0.0

\* = value &lt; 0.05%.

**Note(s):**

Institutions are designated by 2021 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. Graduate student data in this table include master's students in health sciences. For more information on the comparability of these counts to other data published by the National Center for Science and Engineering Statistics, see the "Technical Notes."

**Source(s):**

National Center for Science and Engineering Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering, 2023.