

Table 2-3. Graduate students, postdoctoral appointees, and doctorate-holding nonfaculty researchers in science, engineering, and health broad fields, by Carnegie classification: 2024

(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	818,078	100.0	505,930	100.0	312,148	100.0	69,877	100.0	35,142	100.0
Doctoral: highest research	555,556	67.9	299,366	59.2	256,190	82.1	58,358	83.5	30,046	85.5
Doctoral: higher research	123,346	15.1	91,432	18.1	31,914	10.2	2,737	3.9	1,986	5.7
Doctoral or professional universities	45,166	5.5	35,746	7.1	9,420	3.0	24	*	8	*
Master's: larger programs	64,730	7.9	63,187	12.5	1,543	0.5	77	0.1	44	0.1
Master's: medium programs	5,008	0.6	4,258	0.8	750	0.2	39	0.1	26	0.1
Master's: small programs and baccalaureate	1,892	0.2	1,609	0.3	283	0.1	67	0.1	11	*
Medical schools and centers	7,760	0.9	5,366	1.1	2,394	0.8	1,205	1.7	559	1.6
Other 4-year special focus	12,415	1.5	3,662	0.7	8,753	2.8	6,430	9.2	2,199	6.3
Not classified	2,205	0.3	1,304	0.3	901	0.3	940	1.3	263	0.7
Science	564,367	100.0	347,469	100.0	216,898	100.0	39,702	100.0	20,566	100.0
Doctoral: highest research	371,369	65.8	195,072	56.1	176,297	81.3	33,034	83.2	17,517	85.2
Doctoral: higher research	87,346	15.5	65,926	19.0	21,420	9.9	1,821	4.6	1,355	6.6
Doctoral or professional universities	36,445	6.5	28,925	8.3	7,520	3.5	11	*	6	*
Master's: larger programs	49,436	8.8	48,379	13.9	1,057	0.5	36	0.1	13	0.1
Master's: medium programs	3,614	0.6	3,058	0.9	556	0.3	32	0.1	14	0.1
Master's: small programs and baccalaureate	1,277	0.2	1,073	0.3	204	0.1	65	0.2	11	0.1
Medical schools and centers	4,513	0.8	2,706	0.8	1,807	0.8	642	1.6	540	2.6
Other 4-year special focus	8,486	1.5	1,310	0.4	7,176	3.3	3,144	7.9	869	4.2
Not classified	1,881	0.3	1,020	0.3	861	0.4	917	2.3	241	1.2
Engineering	176,012	100.0	99,571	100.0	76,441	100.0	9,545	100.0	4,436	100.0
Doctoral: highest research	143,013	81.3	74,979	75.3	68,034	89.0	8,865	92.9	3,856	86.9
Doctoral: higher research	21,219	12.1	14,138	14.2	7,081	9.3	483	5.1	455	10.3
Doctoral or professional universities	2,289	1.3	2,104	2.1	185	0.2	12	0.1	0	0.0
Master's: larger programs	7,485	4.3	7,114	7.1	371	0.5	19	0.2	31	0.7
Master's: medium programs	1,028	0.6	834	0.8	194	0.3	7	0.1	12	0.3
Master's: small programs and baccalaureate	425	0.2	346	0.3	79	0.1	2	*	0	0.0
Medical schools and centers	5	*	0	0.0	5	*	1	*	0	0.0
Other 4-year special focus	548	0.3	56	0.1	492	0.6	136	1.4	60	1.4
Not classified	0	0.0	0	0.0	0	0.0	20	0.2	22	0.5
Health	77,699	100.0	58,890	100.0	18,809	100.0	20,630	100.0	10,140	100.0
Doctoral: highest research	41,174	53.0	29,315	49.8	11,859	63.0	16,459	79.8	8,673	85.5
Doctoral: higher research	14,781	19.0	11,368	19.3	3,413	18.1	433	2.1	176	1.7
Doctoral or professional universities	6,432	8.3	4,717	8.0	1,715	9.1	1	*	2	*
Master's: larger programs	7,809	10.1	7,694	13.1	115	0.6	22	0.1	0	0.0
Master's: medium programs	366	0.5	366	0.6	0	0.0	0	0.0	0	0.0

Table 2-3. Graduate students, postdoctoral appointees, and doctorate-holding nonfaculty researchers in science, engineering, and health broad fields, by Carnegie classification: 2024

(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
Master's: small programs and baccalaureate	190	0.2	190	0.3	0	0.0	0	0.0	0	0.0
Medical schools and centers	3,242	4.2	2,660	4.5	582	3.1	562	2.7	19	0.2
Other 4-year special focus	3,381	4.4	2,296	3.9	1,085	5.8	3,150	15.3	1,270	12.5
Not classified	324	0.4	284	0.5	40	0.2	3	*	0	0.0

* = value < 0.05%.

Note(s):

Institutions are designated by 2021 Carnegie classification codes. 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 table A-6. 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, 2024.