Table 2-10. Graduate students, postdoctoral appointees, and doctorate-holding nonfaculty researchers in science, engineering, and health broad fields at HBCUs: 2025

(Number and percent)

Sex, citizenship, ethnicity, race, and broad field	Master's students			Doctoral Students			Postdoctoral appointees			Doctorate-holding nonfaculty researchers		
		In HBCUs			In HBCUs			In HBCUs			In HBCUs	
	Total	Number	Percent	Total	Number	Percent	Total	Number	Percent	Total	Number	Percent
All individuals	481,206	4,576	1.0	315,098	2,862	0.9	68,324	365	0.5	36,021	272	0.8
Female	242,185	2,814	1.2	149,437	1,576	1.1	30,296	174	0.6	16,219	115	0.7
Male	239,021	1,762	0.7	165,661	1,286	0.8	38,028	191	0.5	19,802	157	0.8
U.S. citizens and permanent residents[a]	340,328	3,899	1.1	182,333	1,958	1.1	29,497	215	0.7	na	na	na
Hispanic or Latino	55,771	122	0.2	23,638	63	0.3	2,416	3	0.1	na	na	na
Not Hispanic or Latino												
American Indian or Alaska Native	1,228	15	1.2	720	13	1.8	124	1	0.8	na	na	na
Asian	49,864	215	0.4	23,213	119	0.5	6,093	53	0.9	na	na	na
Black or African American	35,562	2,844	8.0	15,163	1,482	9.8	1,303	99	7.6	na	na	na
Native Hawaiian or Other Pacific Islander	490	3	0.6	220	7	3.2	40	2	5.0	na	na	na
White	163,198	384	0.2	100,358	152	0.2	14,654	33	0.2	na	na	na
More than one race	14,100	89	0.6	8,302	64	0.8	859	1	0.1	na	na	na
Unknown ethnicity and race	20,115	227	1.1	10,719	58	0.5	4,008	23	0.6	na	na	na
Temporary visa holders	140,878	677	0.5	132,765	904	0.7	38,827	150	0.4	na	na	na
Science	327,669	3,284	1.0	219,611	1,838	0.8	39,233	227	0.6	20,797	211	1.0
Agricultural and veterinary sciences	6,692	281	4.2	5,068	145	2.9	2,067	43	2.1	1,276	59	4.6
Biological and biomedical sciences	47,776	895	1.9	62,284	392	0.6	20,467	94	0.5	9,132	24	0.3
Computer and information sciences	115,892	818	0.7	25,193	198	0.8	1,006	0	0.0	580	0	0.0
Geosciences, atmospheric, and ocean sciences	4,898	82	1.7	6,834	36	0.5	2,060	10	0.5	2,245	49	2.2
Mathematics and statistics	18,790	55	0.3	14,207	69	0.5	1,243	4	0.3	208	1	0.5
Multidisciplinary and interdisciplinary sciences	26,282	90	0.3	5,566	0	0.0	1,018	1	0.1	889	8	0.9
Natural resources and conservation	8,946	87	1.0	4,233	85	2.0	1,000	18	1.8	707	15	2.1
Physical sciences	6,217	145	2.3	39,494	316	0.8	7,343	44	0.6	3,095	27	0.9
Psychology	51,695	397	0.8	25,002	236	0.9	1,184	0	0.0	836	2	0.2
Social sciences	40,481	434	1.1	31,730	361	1.1	1,845	13	0.7	1,829	26	1.4
Engineering	95,322	554	0.6	76,556	567	0.7	9,489	54	0.6	4,466	41	0.9
Aerospace, aeronautical, and astronautical engineering	5,963	0	0.0	3,161	0	0.0	261	0	0.0	188	0	0.0
Biological, biomedical, and biosystems engineering	5,694	18	0.3	10,339	10	0.1	1,656	0	0.0	664	0	0.0
Chemical, petroleum, and chemical-related engineering	2,607	16	0.6	7,882	7	0.1	1,520	7	0.5	341	1	0.3
Civil, environmental, transportation and related engineering fields	10,735	49	0.5	7,766	22	0.3	1,192	13	1.1	614	1	0.2
Electrical, electronics, communications and computer engineering	28,746	135	0.5	17,640	180	1.0	1,362	11	0.8	646	4	0.6
Industrial, manufacturing, systems engineering and operations research	10,853	35	0.3	4,146	59	1.4	186	4	2.2	157	1	0.6
Mechanical engineering	15,105	43	0.3	11,986	52	0.4	1,390	7	0.5	569	5	0.9
Metallurgical, mining, materials and related engineering fields	2,598	4	0.2	4,936	7	0.1	594	3	0.5	252	0	0.0
Other engineering	13,021	254	2.0	8,700	230	2.6	1,328	9	0.7	1,035	29	2.8
Health	58,215	738	1.3	18,931	457	2.4	19,602	84	0.4	10,758	20	0.2

Table 2-10. Graduate students, postdoctoral appointees, and doctorate-holding nonfaculty researchers in science, engineering, and health broad fields at HBCUs: 2025

(Number and percent)

Sex, citizenship, ethnicity, race, and broad field	Master's students			Doctoral Students			Postdoctoral appointees			Doctorate-holding nonfaculty researchers		
	Total	In HBCUs		Total	In HBCUs		Total	In HBCUs		Total	In HBCUs	
		Number	Percent		Number	Percent		Number	Percent		Number	Percent
Clinical medicine[b]	25,184	322	1.3	6,636	215	3.2	16,874	7	*	9,249	17	0.2
Other health	33,031	416	1.3	12,295	242	2.0	2,728	77	2.8	1,509	3	0.2
Black or African American individuals												
Female	22,513	1,878	8.3	9,645	947	9.8	737	57	7.7	na	na	na
Male	13,049	966	7.4	5,518	535	9.7	566	42	7.4	na	na	na
Science	24,888	2,090	8.4	10,801	966	8.9	639	38	5.9	na	na	na
Agricultural and veterinary sciences	362	158	43.6	106	27	25.5	55	5	9.1	na	na	na
Biological and biomedical sciences	4,834	644	13.3	2,574	194	7.5	310	11	3.5	na	na	na
Computer and information sciences	6,727	428	6.4	925	104	11.2	8	0	0.0	na	na	na
Geosciences, atmospheric, and ocean sciences	181	32	17.7	178	11	6.2	24	2	8.3	na	na	na
Mathematics and statistics	611	34	5.6	210	24	11.4	12	0	0.0	na	na	na
Multidisciplinary and interdisciplinary sciences	1,748	59	3.4	297	0	0.0	21	0	0.0	na	na	na
Natural resources and conservation	280	43	15.4	169	68	40.2	22	8	36.4	na	na	na
Physical sciences	298	70	23.5	871	117	13.4	71	7	9.9	na	na	na
Psychology	5,652	283	5.0	3,044	157	5.2	35	0	0.0	na	na	na
Social sciences	4,195	339	8.1	2,427	264	10.9	81	5	6.2	na	na	na
Engineering	3,340	263	7.9	1,880	177	9.4	104	10	9.6	na	na	na
Aerospace, aeronautical, and astronautical engineering	143	0	0.0	73	0	0.0	2	0	0.0	na	na	na
Biological, biomedical, and biosystems engineering	245	12	4.9	349	1	0.3	16	0	0.0	na	na	na
Chemical, petroleum, and chemical-related engineering	82	5	6.1	147	4	2.7	17	1	5.9	na	na	na
Civil, environmental, transportation and related engineering fields	393	18	4.6	155	11	7.1	19	3	15.8	na	na	na
Electrical, electronics, communications and computer engineering	859	52	6.1	288	39	13.5	11	0	0.0	na	na	na
Industrial, manufacturing, systems engineering and operations research	536	25	4.7	190	27	14.2	0	0	-	na	na	na
Mechanical engineering	377	27	7.2	224	16	7.1	11	0	0.0	na	na	na
Metallurgical, mining, materials and related engineering fields	78	1	1.3	99	4	4.0	3	0	0.0	na	na	na
Other engineering	627	123	19.6	355	75	21.1	25	6	24.0	na	na	na
Health	7,334	491	6.7	2,482	339	13.7	560	51	9.1	na	na	na
Clinical medicine[b]	4,446	277	6.2	1,106	172	15.6	401	4	1.0	na	na	na
Other health	2,888	214	7.4	1,376	167	12.1	159	47	29.6	na	na	na

* = value < 0.05%; - = not calculable; na = not applicable.

HBCU = historically Black college or university.

[a] Ethnicity and race data are available only for U.S. citizens and permanent residents.
[b] Clinical medicine includes graduate students in public health, in medical clinical sciences and clinical and medical laboratory sciences, and in clinical medicine not elsewhere classified. Clinical medicine includes postdoctoral appointees (postdocs) and doctorate-holding nonfaculty researchers (NFRs) in medical clinical sciences and clinical and medical laboratory sciences; anesthesiology; cardiology and cardiovascular disease; endocrinology, diabetes, and metabolism; gastroenterology; hematology; neurology and neurosurgery; obstetrics and gynecology; oncology and cancer research; ophthalmology; otorhinolaryngology; pediatrics; psychiatry; public health; pulmonary disease; radiological sciences; surgery; and clinical medicine not elsewhere classified.

Note(s):
For postdocs and NFRs, "field" refers to the field of the unit that reports information on these groups to the Survey of Graduate Students and Postdoctorates in Science and Engineering (GSS). Percentages may not add to total because of rounding. For more information on the mapping of GSS fields and codes, see technical 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, 2025.