

Women, Minorities, and Persons with Disabilities in Science and Engineering

TABLE D-6. Black U.S.-citizen and permanent-resident S&E graduate students in all institutions and HBCUs, by field and sex: 2005

Field	All institutions			HBCUs			Black students in HBCUs		
	Both sexes	Female	Male	Both sexes	Female	Male	Both sexes	Female	Male
	Number						Percent		
S&E	25,346	15,693	9,653	4,217	2,713	1,504	16.6	17.3	15.6
Science	21,876	14,593	7,283	3,823	2,593	1,230	17.5	17.8	16.9
Agricultural sciences	417	245	172	185	109	76	44.4	44.5	44.2
Biological sciences	2,980	2,058	922	539	366	173	18.1	17.8	18.8
Anatomy	48	29	19	10	6	4	20.8	20.7	21.1
Biochemistry	169	101	68	22	15	7	13.0	14.9	10.3
Biology	791	521	270	255	181	74	32.2	34.7	27.4
Biometry and epidemiology	282	209	73	0	0	0	0.0	0.0	0.0
Biophysics	24	10	14	0	0	0	0.0	0.0	0.0
Botany	17	13	4	0	0	0	0.0	0.0	0.0
Cell and molecular biology	176	115	61	0	0	0	0.0	0.0	0.0
Ecology	28	20	8	0	0	0	0.0	0.0	0.0
Entomology and parasitology	14	10	4	0	0	0	0.0	0.0	0.0
Genetics	70	55	15	22	16	6	31.4	29.1	40.0
Microbiology, immunology, and virology	255	171	84	42	28	14	16.5	16.4	16.7
Nutrition	270	218	52	80	60	20	29.6	27.5	38.5
Pathology	67	53	14	0	0	0	0.0	0.0	0.0
Pharmacology	184	119	65	37	19	18	20.1	16.0	27.7
Physiology	97	65	32	20	11	9	20.6	16.9	28.1
Zoology	12	6	6	0	0	0	0.0	0.0	0.0
Other	476	343	133	51	30	21	10.7	8.7	15.8
Computer sciences	1,761	712	1,049	193	82	111	11.0	11.5	10.6
Earth, atmospheric, and ocean sciences	262	152	110	57	30	27	21.8	19.7	24.5
Atmospheric	30	13	17	14	6	8	46.7	46.2	47.1
Earth	82	43	39	0	0	0	0.0	0.0	0.0
Ocean	37	27	10	0	0	0	0.0	0.0	0.0
Other	113	69	44	43	24	19	38.1	34.8	43.2
Mathematics and statistics	721	350	371	125	65	60	17.3	18.6	16.2
Mathematics/applied mathematics	617	300	317	125	65	60	20.3	21.7	18.9
Statistics	104	50	54	0	0	0	0.0	0.0	0.0
Physical sciences	1,008	482	526	226	110	116	22.4	22.8	22.1
Astronomy	10	5	5	0	0	0	0.0	0.0	0.0
Chemistry	694	396	298	123	79	44	17.7	19.9	14.8
Physics	272	67	205	103	31	72	37.9	46.3	35.1
Other	32	14	18	0	0	0	0.0	0.0	0.0
Psychology	5,251	4,298	953	912	770	142	17.4	17.9	14.9
Clinical	874	716	158	0	0	0	0.0	0.0	0.0
General	1,682	1,334	348	434	367	67	25.8	27.5	19.3
Nonclinical	2,695	2,248	447	478	403	75	17.7	17.9	16.8
Social sciences	9,476	6,296	3,180	1,586	1,061	525	16.7	16.9	16.5
Agricultural economics	65	38	27	14	8	6	21.5	21.1	22.2
Anthropology (cultural and social)	277	225	52	0	0	0	0.0	0.0	0.0
Economics	319	141	178	15	7	8	4.7	5.0	4.5
Geography	160	83	77	0	0	0	0.0	0.0	0.0
History and philosophy of science	42	20	22	1	1	0	2.4	5.0	0.0
Linguistics	64	43	21	0	0	0	0.0	0.0	0.0
Political science and public administration	5,000	3,323	1,677	846	562	284	16.9	16.9	16.9
Sociology	1,086	775	311	178	130	48	16.4	16.8	15.4
Other	2,463	1,648	815	532	353	179	21.6	21.4	22.0
Engineering	3,470	1,100	2,370	394	120	274	11.4	10.9	11.6
Aerospace	73	15	58	0	0	0	0.0	0.0	0.0
Agricultural	25	12	13	0	0	0	0.0	0.0	0.0
Biomedical	192	103	89	0	0	0	0.0	0.0	0.0
Chemical	146	60	86	5	1	4	3.4	1.7	4.7
Civil	456	161	295	57	28	29	12.5	17.4	9.8
Electrical	843	189	654	59	14	45	7.0	7.4	6.9
Engineering sciences/physics	36	10	26	0	0	0	0.0	0.0	0.0

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Industrial/manufacturing	764	282	482	53	22	31	6.9	7.8	6.4
Mechanical	411	90	321	45	3	42	10.9	3.3	13.1
Metallurgical and materials	102	49	53	9	3	6	8.8	6.1	11.3
Mining	3	0	3	0	0	0	0.0	0.0	0.0
Nuclear	21	13	8	0	0	0	0.0	0.0	0.0
Petroleum	31	4	27	0	0	0	0.0	0.0	0.0
Other	367	112	255	166	49	117	45.2	43.8	45.9

HBCUs = historically black colleges and universities

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering, 2005.