

TABLE D-6. Black U.S.-citizen and permanent-resident S&E graduate students in all institutions and HBCUs, by field and sex: 2004

Field	All institutions			HBCUs			Black students in HBCUs		
	Both sexes	Female	Male	Both sexes	Female	Male	Both sexes	Female	Male
	Number						Percent		
S&E	24,695	14,883	9,812	4,106	2,659	1,447	16.6	17.9	14.7
Science	21,283	13,752	7,531	3,707	2,506	1,201	17.4	18.2	15.9
Agricultural sciences	394	241	153	170	102	68	43.1	42.3	44.4
Biological sciences	2,886	2,025	861	568	398	170	19.7	19.7	19.7
Anatomy	51	34	17	8	7	1	15.7	20.6	5.9
Biochemistry	156	97	59	24	14	10	15.4	14.4	16.9
Biology	780	535	245	251	173	78	32.2	32.3	31.8
Biometry and epidemiology	263	193	70	0	0	0	0.0	0.0	0.0
Biophysics	23	10	13	0	0	0	0.0	0.0	0.0
Botany	18	12	6	0	0	0	0.0	0.0	0.0
Cell and molecular biology	186	123	63	0	0	0	0.0	0.0	0.0
Ecology	27	19	8	0	0	0	0.0	0.0	0.0
Entomology and parasitology	11	9	2	0	0	0	0.0	0.0	0.0
Genetics	68	53	15	22	16	6	32.4	30.2	40.0
Microbiology, immunology, and virology	244	161	83	35	23	12	14.3	14.3	14.5
Nutrition	293	244	49	84	67	17	28.7	27.5	34.7
Pathology	59	43	16	0	0	0	0.0	0.0	0.0
Pharmacology	192	125	67	54	37	17	28.1	29.6	25.4
Physiology	104	69	35	26	16	10	25.0	23.2	28.6
Zoology	11	7	4	0	0	0	0.0	0.0	0.0
Other	400	291	109	64	45	19	16.0	15.5	17.4
Computer sciences	1,818	714	1,104	208	82	126	11.4	11.5	11.4
Earth, atmospheric, and ocean sciences	260	141	119	57	27	30	21.9	19.1	25.2
Atmospheric	36	14	22	15	4	11	41.7	28.6	50.0
Earth	83	43	40	0	0	0	0.0	0.0	0.0
Ocean	30	22	8	0	0	0	0.0	0.0	0.0
Other	111	62	49	42	23	19	37.8	37.1	38.8
Mathematics and statistics	692	328	364	100	45	55	14.5	13.7	15.1
Mathematics/applied mathematics	579	277	302	100	45	55	17.3	16.2	18.2
Statistics	113	51	62	0	0	0	0.0	0.0	0.0
Physical sciences	995	454	541	205	98	107	20.6	21.6	19.8
Astronomy	10	6	4	0	0	0	0.0	0.0	0.0
Chemistry	713	380	333	126	72	54	17.7	18.9	16.2
Physics	248	57	191	79	26	53	31.9	45.6	27.7
Other	24	11	13	0	0	0	0.0	0.0	0.0
Psychology	4,994	3,751	1,243	882	740	142	17.7	19.7	11.4
Clinical	894	724	170	0	0	0	0.0	0.0	0.0
General	1,828	1,184	644	359	307	52	19.6	25.9	8.1
Nonclinical	2,272	1,843	429	523	433	90	23.0	23.5	21.0
Social sciences	9,244	6,098	3,146	1,517	1,014	503	16.4	16.6	16.0
Agricultural economics	52	28	24	13	11	2	25.0	39.3	8.3
Anthropology (cultural and social)	271	216	55	0	0	0	0.0	0.0	0.0
Economics	381	157	224	17	8	9	4.5	5.1	4.0
Geography	150	85	65	0	0	0	0.0	0.0	0.0
History and philosophy of science	30	10	20	1	1	0	3.3	10.0	0.0
Linguistics	46	31	15	0	0	0	0.0	0.0	0.0
Political science and public administration	4,945	3,247	1,698	843	552	291	17.0	17.0	17.1
Sociology	1,056	750	306	185	141	44	17.5	18.8	14.4
Other	2,313	1,574	739	458	301	157	19.8	19.1	21.2
Engineering	3,412	1,131	2,281	399	153	246	11.7	13.5	10.8
Aerospace	68	14	54	0	0	0	0.0	0.0	0.0
Agricultural	22	13	9	0	0	0	0.0	0.0	0.0
Biomedical	195	117	78	0	0	0	0.0	0.0	0.0
Chemical	169	74	95	13	4	9	7.7	5.4	9.5
Civil	452	160	292	60	33	27	13.3	20.6	9.2
Electrical	861	195	666	72	17	55	8.4	8.7	8.3
Engineering sciences/physics	38	12	26	0	0	0	0.0	0.0	0.0

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Industrial/manufacturing	714	273	441	44	21	23	6.2	7.7	5.2
Mechanical	369	91	278	40	10	30	10.8	11.0	10.8
Metallurgical and materials	105	48	57	8	5	3	7.6	10.4	5.3
Mining	5	0	5	0	0	0	0.0	0.0	0.0
Nuclear	20	12	8	0	0	0	0.0	0.0	0.0
Petroleum	21	4	17	0	0	0	0.0	0.0	0.0
Other	373	118	255	162	63	99	43.4	53.4	38.8

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, 2004.