

TABLE D-5. Black U.S.-citizen and permanent-resident S&amp;E graduate students in all institutions and HBCUs, by field and sex: 2001

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Field	All institutions			HBCUs			Black students in HBCUs		
	Total	Female	Male	Total	Female	Male	Total	Female	Male
	Number						Percent		
S&E	21,773	13,291	8,482	3,753	2,443	1,310	17.2	18.4	15.4
Sciences	18,852	12,308	6,544	3,451	2,325	1,126	18.3	18.9	17.2
Agricultural sciences	301	192	109	151	109	42	50.2	56.8	38.5
Biological sciences	2,369	1,564	805	561	395	166	23.7	25.3	20.6
Anatomy	26	17	9	1	0	1	3.8	0.0	11.1
Biochemistry	129	76	53	22	10	12	17.1	13.2	22.6
Biology	755	507	248	259	190	69	34.3	37.5	27.8
Biometry and epidemiology	171	125	46	0	0	0	0.0	0.0	0.0
Biophysics	17	7	10	0	0	0	0.0	0.0	0.0
Botany	48	21	27	21	5	16	43.8	23.8	59.3
Cell and molecular biology	137	77	60	0	0	0	0.0	0.0	0.0
Ecology	26	13	13	0	0	0	0.0	0.0	0.0
Entomology and parasitology	15	6	9	0	0	0	0.0	0.0	0.0
Genetics	54	31	23	19	13	6	35.2	41.9	26.1
Microbiology, immunology, and virology	178	121	57	36	23	13	20.2	19.0	22.8
Nutrition	231	185	46	68	61	7	29.4	33.0	15.2
Pathology	50	32	18	0	0	0	0.0	0.0	0.0
Pharmacology	166	108	58	51	33	18	30.7	30.6	31.0
Physiology	98	56	42	27	20	7	27.6	35.7	16.7
Zoology	10	5	5	0	0	0	0.0	0.0	0.0
Other	258	177	81	57	40	17	22.1	22.6	21.0
Computer sciences	1,726	773	953	202	103	99	11.7	13.3	10.4
Earth, atmospheric, and ocean sciences	227	102	125	60	25	35	26.4	24.5	28.0
Atmospheric	19	7	12	12	4	8	63.2	57.1	66.7
Earth	57	25	32	0	0	0	0.0	0.0	0.0
Ocean	31	15	16	0	0	0	0.0	0.0	0.0
Other	120	55	65	48	21	27	40.0	38.2	41.5
Mathematics and statistics	591	271	320	121	58	63	20.5	21.4	19.7
Mathematics and applied mathematics	526	242	284	121	58	63	23.0	24.0	22.2
Statistics	65	29	36	0	0	0	0.0	0.0	0.0
Physical sciences	879	413	466	170	79	91	19.3	19.1	19.5
Astronomy	12	4	8	0	0	0	0.0	0.0	0.0
Chemistry	631	341	290	106	62	44	16.8	18.2	15.2
Physics	215	53	162	64	17	47	29.8	32.1	29.0
Other	21	15	6	0	0	0	0.0	0.0	0.0
Psychology	4,621	3,674	947	981	768	213	21.2	20.9	22.5
Clinical	751	603	148	0	0	0	0.0	0.0	0.0
Nonclinical	2,146	1,741	405	469	390	79	21.9	22.4	19.5
General	1,724	1,330	394	512	378	134	29.7	28.4	34.0
Social sciences	8,138	5,319	2,819	1,205	788	417	14.8	14.8	14.8
Agricultural economics	76	35	41	24	15	9	31.6	42.9	22.0
Anthropology (cultural and social)	274	216	58	0	0	0	0.0	0.0	0.0
Economics	314	151	163	18	9	9	5.7	6.0	5.5
Geography	114	53	61	0	0	0	0.0	0.0	0.0
History and philosophy of science	16	9	7	1	1	0	6.3	11.1	0.0
Linguistics	47	32	15	0	0	0	0.0	0.0	0.0
Political science and public administration	4,255	2,788	1,467	661	431	230	15.5	15.5	15.7
Sociology	999	685	314	162	111	51	16.2	16.2	16.2
Other	2,043	1,350	693	339	221	118	16.6	16.4	17.0
Engineering	2,921	983	1,938	302	118	184	10.3	12.0	9.5
Aerospace	45	4	41	0	0	0	0.0	0.0	0.0
Agricultural	26	16	10	1	1	0	3.8	6.3	0.0
Biomedical	121	62	59	0	0	0	0.0	0.0	0.0
Chemical	167	89	78	17	11	6	10.2	12.4	7.7

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	Total	Female	Male	Total	Female	Male	Total	Female	Male
	Number						Percent		
Civil	431	158	273	60	21	39	13.9	13.3	14.3
Electrical	813	191	622	41	10	31	5.0	5.2	5.0
Engineering sciences/physics	33	10	23	0	0	0	0.0	0.0	0.0
Industrial/manufacturing	591	242	349	49	28	21	8.3	11.6	6.0
Mechanical	354	81	273	48	17	31	13.6	21.0	11.4
Metallurgical and materials	107	46	61	9	5	4	8.4	10.9	6.6
Mining	1	0	1	0	0	0	0.0	0.0	0.0
Nuclear	13	6	7	0	0	0	0.0	0.0	0.0
Petroleum	4	1	3	0	0	0	0.0	0.0	0.0
Other	215	77	138	77	25	52	35.8	32.5	37.7

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, 2001.