

TABLE 18. Master's degrees awarded to black or African American women by all institutions and by historically black colleges and universities, by field: 2002–12

Field	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
All institutions, all fields	26,284	28,651	32,270	35,136	37,886	39,939	41,439	44,491	47,662	50,583	53,664
Science and engineering	3,902	4,311	4,835	5,005	5,138	5,364	5,836	6,166	6,704	7,098	7,866
Science	3,639	4,030	4,551	4,723	4,859	5,062	5,541	5,862	6,370	6,734	7,490
Agricultural sciences	49	65	59	59	61	77	62	74	77	103	99
Biological sciences	200	190	270	281	279	316	346	331	352	389	462
Computer sciences	335	407	416	363	354	345	385	355	463	482	580
Earth, atmospheric, and ocean sciences	6	9	12	7	20	8	16	8	10	8	14
Mathematical sciences	64	49	52	60	78	76	81	71	48	69	75
Physical sciences	65	52	67	54	72	70	76	71	65	72	85
Astronomy	0	1	0	2	3	0	0	1	0	0	1
Chemistry	47	40	54	38	49	46	62	56	49	61	71
Physics	12	9	10	11	17	19	10	10	11	9	10
Other physical sciences	6	2	3	3	3	5	4	4	5	2	3
Psychology	1,296	1,477	1,581	1,766	1,659	1,855	2,069	2,282	2,232	2,401	2,606
Social sciences	1,624	1,781	2,094	2,133	2,336	2,315	2,506	2,670	3,123	3,210	3,569
Engineering	263	281	284	282	279	302	295	304	334	364	376
Aerospace, aeronautical, and astronautical engineering	0	0	1	2	3	8	3	4	8	4	3
Chemical engineering	12	20	14	23	9	14	15	8	11	11	11
Civil engineering	30	34	25	28	25	36	39	32	31	42	33
Electrical, electronics, and communications engineering	43	37	42	31	35	46	34	34	24	41	36
Industrial and manufacturing engineering	63	71	66	66	72	59	62	67	71	93	95
Materials science engineering	11	6	10	9	3	3	6	6	6	5	8
Mechanical engineering	17	19	18	15	16	18	11	20	19	25	23
Other engineering	87	94	108	108	116	118	125	133	164	143	167
Non-science and engineering	22,382	24,340	27,435	30,131	32,748	34,575	35,603	38,325	40,958	43,485	45,798
Education	9,579	10,427	11,503	12,471	13,353	13,287	13,027	13,611	13,776	14,354	14,356
Health	2,215	2,339	2,609	2,918	3,305	3,677	3,966	4,343	4,851	5,248	6,049
Humanities	679	797	762	816	861	917	1,036	1,095	1,520	1,606	1,746
Professional/other/unknown	9,909	10,777	12,561	13,926	15,229	16,694	17,574	19,276	20,811	22,277	23,647
HBCUs, all fields	3,298	3,381	3,686	3,736	3,894	3,987	4,017	4,027	4,075	3,886	3,948
Science and engineering	663	680	698	711	886	938	919	859	911	836	864
Science	633	645	665	683	863	898	890	825	877	805	829
Agricultural sciences	21	20	18	20	26	28	16	22	33	35	41
Biological sciences	54	47	63	65	51	79	83	61	69	67	99
Computer sciences	62	56	40	27	37	43	38	36	40	26	47
Earth, atmospheric, and ocean sciences	1	1	0	0	3	3	2	0	2	0	1
Mathematical sciences	19	14	5	16	14	18	21	12	8	14	13
Physical sciences	16	22	19	12	17	28	25	23	20	24	21
Astronomy	0	0	0	0	0	0	0	0	0	0	0
Chemistry	12	14	16	8	7	16	19	17	17	20	18
Physics	4	8	3	4	10	12	6	6	3	4	3

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Field	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Other physical sciences	0	0	0	0	0	0	0	0	0	0	0
Psychology	241	275	269	267	306	308	311	316	240	255	182
Social sciences	219	210	251	276	409	391	394	355	465	384	425
Engineering	30	35	33	28	23	40	29	34	34	31	35
Aerospace, aeronautical, and astronautical engineering	0	0	0	0	0	0	0	0	0	0	0
Chemical engineering	3	3	3	3	0	3	2	0	1	1	2
Civil engineering	5	10	6	3	4	7	5	4	2	6	3
Electrical, electronics, and communications engineering	5	2	8	2	3	6	4	9	3	11	5
Industrial and manufacturing engineering	10	7	3	5	3	6	3	4	3	3	6
Materials science engineering	0	0	0	0	0	0	0	0	0	0	0
Mechanical engineering	4	4	7	1	2	2	2	2	1	2	1
Other engineering	3	9	6	14	11	16	13	15	24	8	18
Non-science and engineering	2,635	2,701	2,988	3,025	3,008	3,049	3,098	3,168	3,164	3,050	3,084
Education	1,405	1,471	1,559	1,568	1,620	1,550	1,555	1,532	1,321	1,302	1,164
Health	214	164	212	212	193	252	294	323	383	388	405
Humanities	54	61	46	63	61	60	64	69	201	178	175
Professional/other/unknown	962	1,005	1,171	1,182	1,134	1,187	1,185	1,244	1,259	1,182	1,340
HBCUs, all fields (%)	12.5	11.8	11.4	10.6	10.3	10.0	9.7	9.1	8.5	7.7	7.4
Science and engineering	17.0	15.8	14.4	14.2	17.2	17.5	15.7	13.9	13.6	11.8	11.0
Science	17.4	16.0	14.6	14.5	17.8	17.7	16.1	14.1	13.8	12.0	11.1
Agricultural sciences	42.9	30.8	30.5	33.9	42.6	36.4	25.8	29.7	42.9	34.0	41.4
Biological sciences	27.0	24.7	23.3	23.1	18.3	25.0	24.0	18.4	19.6	17.2	21.4
Computer sciences	18.5	13.8	9.6	7.4	10.5	12.5	9.9	10.1	8.6	5.4	8.1
Earth, atmospheric, and ocean sciences	16.7	11.1	0.0	0.0	15.0	37.5	12.5	0.0	20.0	0.0	7.1
Mathematical sciences	29.7	28.6	9.6	26.7	17.9	23.7	25.9	16.9	16.7	20.3	17.3
Physical sciences	24.6	42.3	28.4	22.2	23.6	40.0	32.9	32.4	30.8	33.3	24.7
Astronomy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chemistry	25.5	35.0	29.6	21.1	14.3	34.8	30.6	30.4	34.7	32.8	25.4
Physics	33.3	88.9	30.0	36.4	58.8	63.2	60.0	60.0	27.3	44.4	30.0
Other physical sciences	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Psychology	18.6	18.6	17.0	15.1	18.4	16.6	15.0	13.8	10.8	10.6	7.0
Social sciences	13.5	11.8	12.0	12.9	17.5	16.9	15.7	13.3	14.9	12.0	11.9
Engineering	11.4	12.5	11.6	9.9	8.2	13.2	9.8	11.2	10.2	8.5	9.3
Aerospace, aeronautical, and astronautical engineering	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chemical engineering	25.0	15.0	21.4	13.0	0.0	21.4	13.3	0.0	9.1	9.1	18.2
Civil engineering	16.7	29.4	24.0	10.7	16.0	19.4	12.8	12.5	6.5	14.3	9.1
Electrical, electronics, and communications engineering	11.6	5.4	19.0	6.5	8.6	13.0	11.8	26.5	12.5	26.8	13.9
Industrial and manufacturing engineering	15.9	9.9	4.5	7.6	4.2	10.2	4.8	6.0	4.2	3.2	6.3
Materials science engineering	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mechanical engineering	23.5	21.1	38.9	6.7	12.5	11.1	18.2	10.0	5.3	8.0	4.3
Other engineering	3.4	9.6	5.6	13.0	9.5	13.6	10.4	11.3	14.6	5.6	10.8

TABLE 18. Master's degrees awarded to black or African American women by all institutions and by historically black colleges and universities, by field: 2002–12

Field	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Non-science and engineering	11.8	11.1	10.9	10.0	9.2	8.8	8.7	8.3	7.7	7.0	6.7
Education	14.7	14.1	13.6	12.6	12.1	11.7	11.9	11.3	9.6	9.1	8.1
Health	9.7	7.0	8.1	7.3	5.8	6.9	7.4	7.4	7.9	7.4	6.7
Humanities	8.0	7.7	6.0	7.7	7.1	6.5	6.2	6.3	13.2	11.1	10.0
Professional/other/unknown	9.7	9.3	9.3	8.5	7.4	7.1	6.7	6.5	6.0	5.3	5.7

HBCU = historically black college or university.

NOTES: Race or ethnicity categories are as designated on the survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency). See appendix B for specific fields included in each category.

SOURCE: Tabulated by National Science Foundation, National Center for Science and Engineering Statistics; data from Department of Education, National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey.