

TABLE 16. Master's degrees awarded to blacks or African Americans 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	36,936	40,090	45,183	49,109	52,844	55,624	57,473	61,713	66,817	71,393	75,732
Science and engineering	6,230	6,919	7,511	7,764	8,011	8,371	8,908	9,339	10,292	10,961	12,069
Science	5,495	6,096	6,658	6,895	7,128	7,445	7,931	8,368	9,194	9,781	10,825
Agricultural sciences	88	103	102	85	96	113	98	124	132	180	166
Biological sciences	288	298	385	377	406	438	500	474	512	599	673
Computer sciences	746	977	934	887	853	898	950	919	1,111	1,212	1,420
Earth, atmospheric, and ocean sciences	18	18	22	17	30	23	29	26	18	29	38
Mathematical sciences	113	98	115	135	154	158	156	140	154	164	180
Physical sciences	121	112	120	101	152	123	145	143	125	138	174
Astronomy	2	1	1	2	3	0	0	4	0	0	2
Chemistry	74	76	87	55	93	74	110	97	90	93	129
Physics	37	32	27	39	51	43	30	36	30	40	34
Other physical sciences	8	3	5	5	5	6	5	6	5	5	9
Psychology	1,643	1,829	1,942	2,142	1,996	2,253	2,411	2,724	2,640	2,856	3,137
Social sciences	2,478	2,661	3,038	3,151	3,441	3,439	3,642	3,818	4,502	4,603	5,037
Engineering	735	823	853	869	883	926	977	971	1,098	1,180	1,244
Aerospace, aeronautical, and astronautical engineering	14	7	11	19	22	26	25	19	30	25	18
Chemical engineering	29	38	29	50	25	23	28	18	32	29	33
Civil engineering	81	81	67	77	80	89	97	88	107	125	143
Electrical, electronics, and communications engineering	161	182	173	177	171	199	212	189	174	237	211
Industrial and manufacturing engineering	141	158	170	152	171	152	155	166	214	232	230
Materials science engineering	16	13	19	18	11	9	15	21	14	14	19
Mechanical engineering	70	77	83	79	86	85	100	86	87	101	114
Other engineering	223	267	301	297	317	343	345	384	440	417	476
Non-science and engineering	30,706	33,171	37,672	41,345	44,833	47,253	48,565	52,374	56,525	60,432	63,663
Education	12,254	13,199	14,591	15,889	16,970	16,921	16,503	17,176	17,620	18,365	18,351
Health	2,645	2,794	3,090	3,412	3,923	4,337	4,675	5,155	5,736	6,188	7,183
Humanities	1,191	1,293	1,322	1,413	1,489	1,553	1,827	1,996	2,719	2,906	3,199
Professional/other/unknown	14,616	15,885	18,669	20,631	22,451	24,442	25,560	28,047	30,450	32,973	34,930
HBCUs, all fields	4,461	4,540	5,034	5,027	5,221	5,305	5,388	5,465	5,563	5,442	5,524
Science and engineering	971	974	1,041	1,006	1,299	1,378	1,320	1,261	1,328	1,238	1,290
Science	910	902	959	940	1,225	1,268	1,227	1,164	1,230	1,135	1,201
Agricultural sciences	32	36	38	26	47	44	27	37	56	58	60
Biological sciences	73	64	88	83	75	98	109	92	86	94	120
Computer sciences	115	109	82	65	70	102	79	75	101	69	93
Earth, atmospheric, and ocean sciences	5	3	0	0	4	6	4	1	2	1	1
Mathematical sciences	34	24	21	27	29	30	33	22	19	27	26
Physical sciences	32	32	32	26	34	44	48	48	35	42	40
Astronomy	0	0	0	0	0	0	0	0	0	0	0
Chemistry	18	18	22	10	13	23	35	30	29	28	29
Physics	14	14	10	16	21	21	13	18	6	14	11

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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	292	327	314	319	354	365	355	363	283	294	263
Social sciences	327	307	384	394	612	579	572	526	648	550	598
Engineering	61	72	82	66	74	110	93	97	98	103	89
Aerospace, aeronautical, and astronautical engineering	0	0	0	0	0	0	0	0	0	0	0
Chemical engineering	5	3	7	6	5	4	3	1	4	2	3
Civil engineering	10	13	10	8	9	13	9	10	9	10	8
Electrical, electronics, and communications engineering	15	14	23	14	15	31	18	26	18	45	16
Industrial and manufacturing engineering	14	9	6	7	10	13	8	20	6	5	9
Materials science engineering	0	0	0	0	0	0	0	0	0	0	0
Mechanical engineering	11	8	19	6	8	8	18	7	7	9	4
Other engineering	6	25	17	25	27	41	37	33	54	32	49
Non-science and engineering	3,490	3,566	3,993	4,021	3,922	3,927	4,068	4,204	4,235	4,204	4,234
Education	1,831	1,899	2,031	2,065	2,061	1,991	2,006	1,962	1,731	1,740	1,565
Health	252	207	257	256	219	279	336	377	437	461	466
Humanities	88	90	95	94	98	87	106	117	364	371	316
Professional/other/unknown	1,319	1,370	1,610	1,606	1,544	1,570	1,620	1,748	1,703	1,632	1,887
HBCUs, all fields (%)	12.1	11.3	11.1	10.2	9.9	9.5	9.4	8.9	8.3	7.6	7.3
Science and engineering	15.6	14.1	13.9	13.0	16.2	16.5	14.8	13.5	12.9	11.3	10.7
Science	16.6	14.8	14.4	13.6	17.2	17.0	15.5	13.9	13.4	11.6	11.1
Agricultural sciences	36.4	35.0	37.3	30.6	49.0	38.9	27.6	29.8	42.4	32.2	36.1
Biological sciences	25.3	21.5	22.9	22.0	18.5	22.4	21.8	19.4	16.8	15.7	17.8
Computer sciences	15.4	11.2	8.8	7.3	8.2	11.4	8.3	8.2	9.1	5.7	6.5
Earth, atmospheric, and ocean sciences	27.8	16.7	0.0	0.0	13.3	26.1	13.8	3.8	11.1	3.4	2.6
Mathematical sciences	30.1	24.5	18.3	20.0	18.8	19.0	21.2	15.7	12.3	16.5	14.4
Physical sciences	26.4	28.6	26.7	25.7	22.4	35.8	33.1	33.6	28.0	30.4	23.0
Astronomy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chemistry	24.3	23.7	25.3	18.2	14.0	31.1	31.8	30.9	32.2	30.1	22.5
Physics	37.8	43.8	37.0	41.0	41.2	48.8	43.3	50.0	20.0	35.0	32.4
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	17.8	17.9	16.2	14.9	17.7	16.2	14.7	13.3	10.7	10.3	8.4
Social sciences	13.2	11.5	12.6	12.5	17.8	16.8	15.7	13.8	14.4	11.9	11.9
Engineering	8.3	8.7	9.6	7.6	8.4	11.9	9.5	10.0	8.9	8.7	7.2
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	17.2	7.9	24.1	12.0	20.0	17.4	10.7	5.6	12.5	6.9	9.1
Civil engineering	12.3	16.0	14.9	10.4	11.3	14.6	9.3	11.4	8.4	8.0	5.6
Electrical, electronics, and communications engineering	9.3	7.7	13.3	7.9	8.8	15.6	8.5	13.8	10.3	19.0	7.6
Industrial and manufacturing engineering	9.9	5.7	3.5	4.6	5.8	8.6	5.2	12.0	2.8	2.2	3.9
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	15.7	10.4	22.9	7.6	9.3	9.4	18.0	8.1	8.0	8.9	3.5
Other engineering	2.7	9.4	5.6	8.4	8.5	12.0	10.7	8.6	12.3	7.7	10.3

TABLE 16. Master's degrees awarded to blacks or African Americans 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	11.4	10.8	10.6	9.7	8.7	8.3	8.4	8.0	7.5	7.0	6.7
Education	14.9	14.4	13.9	13.0	12.1	11.8	12.2	11.4	9.8	9.5	8.5
Health	9.5	7.4	8.3	7.5	5.6	6.4	7.2	7.3	7.6	7.4	6.5
Humanities	7.4	7.0	7.2	6.7	6.6	5.6	5.8	5.9	13.4	12.8	9.9
Professional/other/unknown	9.0	8.6	8.6	7.8	6.9	6.4	6.3	6.2	5.6	4.9	5.4

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.