

TABLE 15. Bachelor'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	74,022	78,679	82,475	85,073	88,757	91,119	93,860	96,227	100,435	106,001	113,601
Science and engineering	22,415	23,567	24,762	25,482	25,419	25,764	26,229	26,785	27,576	29,472	31,581
Science	21,324	22,504	23,661	24,398	24,433	24,799	25,332	25,927	26,771	28,663	30,719
Agricultural sciences	275	256	282	267	297	295	319	278	351	316	430
Biological sciences	3,357	3,586	3,723	3,756	3,972	4,303	4,376	4,529	4,501	4,734	4,973
Computer sciences	2,363	2,845	2,777	2,383	2,104	1,624	1,338	1,330	1,295	1,322	1,460
Earth, atmospheric, and ocean sciences	32	27	40	38	30	38	44	35	39	40	59
Mathematical sciences	470	416	447	439	427	427	399	403	422	412	465
Physical sciences	611	551	592	586	626	599	634	657	628	646	798
Astronomy	1	1	2	3	4	0	3	0	2	0	1
Chemistry	519	489	510	508	558	548	575	592	582	581	717
Physics	69	41	62	57	49	43	45	43	29	38	43
Other physical sciences	22	20	18	18	15	8	11	22	15	27	37
Psychology	6,211	6,450	6,911	7,510	7,436	7,969	8,305	8,601	9,009	9,449	10,274
Social sciences	8,005	8,373	8,889	9,419	9,541	9,544	9,917	10,094	10,526	11,744	12,260
Engineering	1,091	1,063	1,101	1,084	986	965	897	858	805	809	862
Aerospace, aeronautical, and astronautical engineering	9	17	12	10	19	16	20	21	16	13	15
Chemical engineering	188	167	150	150	127	123	120	119	116	112	135
Civil engineering	102	90	104	104	86	123	121	112	115	128	126
Electrical, electronics, and communications engineering	255	254	280	279	231	211	166	148	126	127	135
Industrial and manufacturing engineering	141	128	123	141	126	89	91	87	96	94	78
Materials science engineering	17	8	11	10	13	5	9	11	7	12	11
Mechanical engineering	151	123	138	126	129	139	135	108	101	105	116
Other engineering	228	276	283	264	255	259	235	252	228	218	246
Non-science and engineering	51,607	55,112	57,713	59,591	63,338	65,355	67,631	69,442	72,859	76,529	82,020
Education	5,419	5,519	5,277	5,210	5,621	5,623	5,571	5,696	5,707	6,000	6,458
Health	5,989	5,885	6,366	6,727	7,644	8,508	9,598	10,150	11,203	13,044	14,897
Humanities	5,984	6,456	6,677	6,849	7,166	7,309	7,371	7,401	7,307	7,493	7,975
Professional/other/unknown	34,215	37,252	39,393	40,805	42,907	43,915	45,091	46,195	48,642	49,992	52,690
HBCUs, all fields	16,499	17,042	17,627	17,739	17,756	17,580	17,935	17,598	17,570	18,073	19,123
Science and engineering	5,669	5,751	5,972	5,912	5,725	5,720	5,691	5,570	5,533	5,922	5,994
Science	5,415	5,494	5,718	5,646	5,516	5,482	5,480	5,374	5,344	5,724	5,781
Agricultural sciences	138	121	111	105	135	109	123	105	118	101	141
Biological sciences	1,319	1,329	1,385	1,368	1,360	1,437	1,405	1,431	1,414	1,503	1,510
Computer sciences	662	730	759	655	532	380	266	275	249	227	238
Earth, atmospheric, and ocean sciences	2	5	6	8	6	6	5	4	3	6	6
Mathematical sciences	194	160	184	151	152	134	140	120	140	136	140
Physical sciences	263	236	247	240	232	265	237	269	252	253	317
Astronomy	0	0	0	0	0	0	0	0	0	0	0
Chemistry	211	203	211	207	204	240	220	246	233	227	289
Physics	49	23	35	32	27	24	16	23	18	20	23

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Field	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Other physical sciences	3	10	1	1	1	1	1	0	1	6	5
Psychology	1,341	1,411	1,475	1,532	1,578	1,618	1,676	1,620	1,644	1,700	1,830
Social sciences	1,496	1,502	1,551	1,587	1,521	1,533	1,628	1,550	1,524	1,798	1,599
Engineering	254	257	254	266	209	238	211	196	189	198	213
Aerospace, aeronautical, and astronautical engineering	1	5	3	2	2	2	3	0	4	4	2
Chemical engineering	45	35	45	31	33	30	20	26	30	36	41
Civil engineering	26	28	25	25	11	33	32	34	30	33	26
Electrical, electronics, and communications engineering	85	72	76	84	77	73	57	45	49	51	43
Industrial and manufacturing engineering	20	21	15	37	15	15	19	18	15	15	14
Materials science engineering	0	0	0	0	0	0	0	0	0	0	0
Mechanical engineering	34	33	36	32	27	37	37	23	21	32	45
Other engineering	43	63	54	55	44	48	43	50	40	27	42
Non-science and engineering	10,830	11,291	11,655	11,827	12,031	11,860	12,244	12,028	12,037	12,151	13,129
Education	1,471	1,486	1,343	1,411	1,529	1,424	1,361	1,394	1,328	1,403	1,420
Health	1,076	984	1,070	1,105	1,164	1,238	1,412	1,459	1,451	1,574	1,758
Humanities	1,200	1,267	1,274	1,278	1,288	1,270	1,253	1,234	1,195	1,182	1,268
Professional/other/unknown	7,083	7,554	7,968	8,033	8,050	7,928	8,218	7,941	8,063	7,992	8,683
HBCUs, all fields (%)	22.3	21.7	21.4	20.9	20.0	19.3	19.1	18.3	17.5	17.0	16.8
Science and engineering	25.3	24.4	24.1	23.2	22.5	22.2	21.7	20.8	20.1	20.1	19.0
Science	25.4	24.4	24.2	23.1	22.6	22.1	21.6	20.7	20.0	20.0	18.8
Agricultural sciences	50.2	47.3	39.4	39.3	45.5	36.9	38.6	37.8	33.6	32.0	32.8
Biological sciences	39.3	37.1	37.2	36.4	34.2	33.4	32.1	31.6	31.4	31.7	30.4
Computer sciences	28.0	25.7	27.3	27.5	25.3	23.4	19.9	20.7	19.2	17.2	16.3
Earth, atmospheric, and ocean sciences	6.3	18.5	15.0	21.1	20.0	15.8	11.4	11.4	7.7	15.0	10.2
Mathematical sciences	41.3	38.5	41.2	34.4	35.6	31.4	35.1	29.8	33.2	33.0	30.1
Physical sciences	43.0	42.8	41.7	41.0	37.1	44.2	37.4	40.9	40.1	39.2	39.7
Astronomy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chemistry	40.7	41.5	41.4	40.7	36.6	43.8	38.3	41.6	40.0	39.1	40.3
Physics	71.0	56.1	56.5	56.1	55.1	55.8	35.6	53.5	62.1	52.6	53.5
Other physical sciences	13.6	50.0	5.6	5.6	6.7	12.5	9.1	0.0	6.7	22.2	13.5
Psychology	21.6	21.9	21.3	20.4	21.2	20.3	20.2	18.8	18.2	18.0	17.8
Social sciences	18.7	17.9	17.4	16.8	15.9	16.1	16.4	15.4	14.5	15.3	13.0
Engineering	23.3	24.2	23.1	24.5	21.2	24.7	23.5	22.8	23.5	24.5	24.7
Aerospace, aeronautical, and astronautical engineering	11.1	29.4	25.0	20.0	10.5	12.5	15.0	0.0	25.0	30.8	13.3
Chemical engineering	23.9	21.0	30.0	20.7	26.0	24.4	16.7	21.8	25.9	32.1	30.4
Civil engineering	25.5	31.1	24.0	24.0	12.8	26.8	26.4	30.4	26.1	25.8	20.6
Electrical, electronics, and communications engineering	33.3	28.3	27.1	30.1	33.3	34.6	34.3	30.4	38.9	40.2	31.9
Industrial and manufacturing engineering	14.2	16.4	12.2	26.2	11.9	16.9	20.9	20.7	15.6	16.0	17.9
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	22.5	26.8	26.1	25.4	20.9	26.6	27.4	21.3	20.8	30.5	38.8
Other engineering	18.9	22.8	19.1	20.8	17.3	18.5	18.3	19.8	17.5	12.4	17.1

TABLE 15. Bachelor'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	21.0	20.5	20.2	19.8	19.0	18.1	18.1	17.3	16.5	15.9	16.0
Education	27.1	26.9	25.5	27.1	27.2	25.3	24.4	24.5	23.3	23.4	22.0
Health	18.0	16.7	16.8	16.4	15.2	14.6	14.7	14.4	13.0	12.1	11.8
Humanities	20.1	19.6	19.1	18.7	18.0	17.4	17.0	16.7	16.4	15.8	15.9
Professional/other/unknown	20.7	20.3	20.2	19.7	18.8	18.1	18.2	17.2	16.6	16.0	16.5

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.