

TABLE 19. Doctoral degrees awarded to blacks or African Americans by historically black colleges and universities, by field: 2002–12

(Percent distribution)

Field	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
HBCUs, all fields	9.4	10.2	10.9	11.8	11.9	12.2	12.2	13.5	12.1	10.8	12.0
Science and engineering	10.6	11.6	12.3	11.0	12.0	11.5	10.6	12.6	11.2	9.9	11.8
Science	10.9	11.8	11.8	11.5	11.1	11.8	11.0	12.8	11.8	10.4	12.7
Agricultural sciences	7.7	18.2	15.0	18.8	16.0	5.6	31.0	28.1	23.5	25.0	28.6
Biological sciences	13.5	18.2	18.0	22.9	20.3	15.0	9.3	13.0	10.6	12.0	12.8
Computer sciences	0.0	0.0	0.0	0.0	0.0	*	0.0	*	*	6.7	*
Earth, atmospheric, and ocean sciences	0.0	7.7	0.0	0.0	20.0	33.3	0.0	50.0	9.1	0.0	12.5
Mathematical sciences	14.3	6.3	0.0	8.7	5.0	5.3	*	*	9.1	12.5	13.0
Physical sciences	10.4	14.8	11.5	7.3	*	15.7	12.3	20.3	12.7	8.9	15.9
Astronomy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.0	0.0	0.0
Chemistry	6.8	12.2	10.4	*	*	11.3	6.0	17.7	11.1	6.6	14.5
Physics	18.2	25.0	15.4	16.7	0.0	30.0	33.3	33.3	13.3	20.0	19.2
Psychology	11.2	8.3	12.1	6.0	5.0	7.4	9.7	7.2	12.5	9.7	6.9
Social sciences	10.4	11.5	8.5	8.9	12.7	12.5	13.5	13.4	11.8	9.3	14.6
Engineering	8.2	10.1	15.8	8.0	17.5	8.7	8.1	11.1	7.9	6.8	6.6
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1	0.0
Civil engineering	7.7	0.0	0.0	0.0	30.8	10.0	0.0	22.2	15.4	0.0	0.0
Electrical, electronics, and communications engineering	36.4	26.3	20.0	12.5	27.8	15.0	26.7	14.3	16.7	10.7	17.9
Industrial and manufacturing engineering	0.0	25.0	66.7	12.5	50.0	40.0	16.7	0.0	11.1	25.0	20.0
Materials science engineering	0.0	0.0	0.0	0.0	0.0	0.0	12.5	16.7	25.0	8.3	0.0
Mechanical engineering	12.5	11.1	20.0	9.1	23.1	9.1	5.6	15.0	0.0	12.5	0.0
Other engineering	0.0	*	16.7	9.7	*	*	0.0	7.9	0.0	0.0	5.2
Non-science and engineering	8.6	9.4	10.0	12.3	11.8	12.6	13.3	14.2	12.8	11.6	12.2
Education	9.2	10.2	10.0	14.1	13.6	14.3	14.7	15.3	15.7	10.0	11.1
Health	8.1	7.6	11.1	12.3	8.6	*	9.8	13.4	5.3	11.6	11.2
Humanities	*	*	7.1	6.0	7.4	*	6.9	9.0	6.8	8.1	5.7
Professional/other/unknown	11.3	12.4	12.4	10.8	11.1	19.5	15.0	14.3	14.6	20.5	24.5

* = value > 0 but < 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. PhD field 599 underwent a name change in 2004. In 1999, PhD field 599 was labeled as Miscellaneous physical sciences, other. For these years, PhD field 599 is included in Physical sciences. In 2004, the label for PhD field 599 was changed to Ocean/marine, other. As of 2005, PhD field 599 is included in Earth, atmospheric, and ocean sciences.

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.