

TABLE C-7. Racial/ethnic distribution of S&E bachelor's degrees awarded to U.S. citizens and permanent residents, by field: 1996–2005

(Percent)

Field and race/ethnicity	1996	1997	1998	2000	2001	2002	2003	2004	2005
<b>White</b>									
All fields	77.4	76.5	75.6	73.7	72.9	72.2	71.4	70.7	70.2
S&E	74.8	73.5	72.5	70.5	69.7	69.2	68.6	67.8	67.3
Sciences	75.0	73.7	72.6	70.4	69.5	69.0	68.3	67.5	67.1
Agricultural sciences	89.3	89.1	88.4	87.0	86.8	86.1	85.7	85.5	85.2
Biological sciences	72.0	71.3	69.9	69.1	68.1	68.5	67.6	67.3	66.3
Computer sciences	69.7	67.8	66.8	62.9	61.5	60.8	59.0	57.8	59.1
Earth, atmospheric, and ocean sciences	91.1	90.8	89.7	89.0	87.7	87.9	88.4	86.6	86.8
Atmospheric sciences	93.1	92.9	94.8	90.7	87.0	90.0	89.0	89.3	89.5
Earth sciences	90.9	91.0	89.3	89.0	87.8	88.1	88.5	86.1	86.4
Ocean sciences	88.9	84.3	85.7	85.5	86.4	80.1	83.6	87.4	80.9
Mathematics and statistics	78.2	77.4	76.5	74.6	74.1	74.1	73.2	73.7	72.2
Physical sciences	75.0	74.5	73.3	71.9	72.1	72.0	73.0	72.0	71.7
Astronomy	76.4	84.8	80.9	84.0	81.5	78.5	82.8	78.0	75.2
Chemistry	72.7	71.6	70.3	68.7	68.6	68.8	69.7	68.7	69.1
Physics	81.0	81.5	80.9	79.4	80.2	78.7	79.1	78.9	77.4
Other	78.7	83.6	81.0	81.1	80.7	78.3	80.8	74.6	73.1
Psychology	76.8	75.1	74.0	71.4	70.7	70.2	70.3	69.7	68.7
Social sciences	73.4	71.9	70.8	68.9	68.1	67.7	67.1	66.3	65.3
Anthropology	80.4	79.3	79.3	77.5	77.0	75.9	75.1	73.1	73.2
Area and ethnic studies	60.0	59.8	56.7	54.1	54.5	54.1	52.8	52.3	50.2
Economics	72.3	72.0	70.5	68.3	66.9	67.1	65.5	64.4	64.1
History of science	85.7	77.4	86.8	63.7	58.2	59.4	68.0	71.4	74.1
Linguistics	68.8	73.1	68.4	69.9	73.4	75.0	71.8	67.0	65.3
Political science and public administration	74.6	72.8	72.2	70.8	70.3	69.9	69.6	68.8	67.5
Sociology	70.4	68.1	66.9	65.2	64.2	63.3	63.0	62.5	61.1
Other	77.2	75.4	74.7	72.1	71.2	70.4	69.8	69.1	68.5
Engineering	73.9	72.4	72.1	71.0	70.7	70.5	70.3	69.6	68.7
Aerospace engineering	77.2	74.8	79.0	78.4	78.4	78.7	77.9	76.0	77.9
Chemical engineering	74.6	72.3	70.9	70.3	71.7	72.3	72.2	72.3	71.5
Civil engineering	78.5	77.5	77.0	76.6	77.5	77.7	78.0	77.2	76.0
Electrical engineering	64.2	63.8	63.3	61.3	59.8	58.3	58.7	57.3	56.9
Industrial engineering	71.7	64.6	66.6	69.0	69.7	68.7	67.6	68.7	66.5
Materials engineering	80.7	78.6	78.0	79.3	79.7	78.8	76.3	73.4	73.1
Mechanical engineering	77.9	76.9	76.8	76.8	76.8	77.8	78.2	78.2	76.9
Other	78.3	76.6	76.3	74.9	74.7	74.8	73.4	72.6	70.7
Non-S&E	78.7	77.9	77.1	75.2	74.4	73.6	72.8	72.0	71.5
<b>Asian/Pacific Islander</b>									
All fields	5.5	5.9	6.0	6.2	6.2	6.3	6.3	6.3	6.5
S&E	8.2	8.7	9.0	9.3	9.5	9.4	9.4	9.4	9.6
Sciences	7.6	8.1	8.4	8.7	8.9	8.8	8.9	8.9	9.0
Agricultural sciences	1.9	2.3	2.5	2.5	2.3	2.4	2.6	2.5	2.6
Biological sciences	13.1	13.4	13.5	12.6	12.4	12.0	11.9	12.3	13.4
Computer sciences	11.0	12.0	12.6	15.7	15.9	15.9	15.6	14.2	13.0
Earth, atmospheric, and ocean sciences	2.1	2.2	2.2	2.4	2.2	2.2	1.9	2.2	2.2
Atmospheric sciences	2.1	1.7	1.1	2.9	3.1	1.5	1.6	1.9	2.2

TABLE C-7. Racial/ethnic distribution of S&E bachelor's degrees awarded to U.S. citizens and permanent residents, by field: 1996–2005

(Percent)

Field and race/ethnicity	1996	1997	1998	2000	2001	2002	2003	2004	2005
Earth sciences	2.1	2.0	2.1	2.3	1.9	2.0	1.8	2.1	2.2
Ocean sciences	2.8	5.6	5.2	3.6	4.5	5.4	4.5	5.7	1.5
Mathematics and statistics	7.3	7.0	7.2	7.9	8.3	8.5	9.4	9.5	10.1
Physical sciences	9.9	10.4	10.8	10.4	9.9	9.0	8.4	9.0	9.2
Astronomy	10.7	5.3	7.6	5.8	5.3	9.2	6.3	6.4	6.8
Chemistry	11.4	12.2	12.7	12.0	11.9	10.7	9.9	10.7	10.7
Physics	6.7	6.3	6.3	6.8	5.6	5.3	5.4	5.6	5.9
Other	5.3	4.3	3.6	4.2	3.6	5.0	5.1	6.3	7.0
Psychology	5.0	5.5	5.8	5.7	5.7	5.6	5.2	5.4	5.7
Social sciences	6.3	6.7	7.2	7.5	7.8	7.8	8.0	8.3	8.5
Anthropology	5.0	5.5	5.9	4.9	4.9	5.3	5.3	5.3	5.6
Area and ethnic studies	12.4	11.3	12.8	13.6	13.2	12.1	12.0	12.5	13.6
Economics	12.4	13.6	14.8	15.7	16.6	16.2	17.0	17.6	17.4
History of science	9.5	12.9	7.9	13.2	15.3	19.8	16.0	10.0	9.5
Linguistics	10.7	12.6	14.7	11.2	10.1	9.4	10.0	10.8	11.5
Political science and public administration	5.2	5.7	6.0	5.9	6.3	6.2	6.2	6.3	6.5
Sociology	4.6	5.0	4.9	5.2	5.2	5.3	5.3	6.0	6.6
Other	3.8	4.0	4.2	4.6	5.0	4.8	5.1	5.3	5.6
Engineering	11.7	12.3	12.4	12.5	12.8	12.6	12.5	12.7	13.4
Aerospace engineering	10.5	10.2	8.6	8.6	7.6	7.9	7.8	8.7	8.3
Chemical engineering	12.0	13.6	14.4	13.6	12.4	11.6	10.9	10.9	10.9
Civil engineering	8.5	8.8	8.3	7.1	6.1	5.7	5.5	5.4	6.2
Electrical engineering	18.3	18.3	19.0	19.8	21.3	22.1	21.2	21.4	22.5
Industrial engineering	9.8	12.4	10.5	9.6	9.5	10.1	10.9	11.0	9.9
Materials engineering	9.0	8.1	12.2	9.7	9.9	9.4	9.9	11.4	11.7
Mechanical engineering	8.6	8.8	9.0	8.1	8.0	7.0	7.0	6.7	7.6
Other	10.1	11.8	11.3	11.8	12.6	11.8	12.0	13.4	15.1
Non-S&E	4.2	4.5	4.6	4.8	4.7	4.8	4.8	4.8	5.0
Black									
All fields	7.8	8.0	8.3	8.6	8.8	8.8	8.9	9.0	9.0
S&E	7.7	8.0	8.2	8.6	8.7	8.7	8.7	8.8	8.8
Sciences	8.2	8.5	8.7	9.1	9.2	9.3	9.2	9.3	9.3
Agricultural sciences	2.1	2.1	2.3	2.5	2.5	2.7	2.6	2.7	2.6
Biological sciences	6.3	6.5	6.9	7.5	7.7	7.7	7.9	8.0	7.7
Computer sciences	10.9	10.4	10.4	10.1	10.8	10.9	11.4	11.3	11.4
Earth, atmospheric, and ocean sciences	1.4	1.3	1.7	1.3	1.4	1.6	1.5	1.7	1.8
Atmospheric sciences	1.6	1.9	1.6	2.1	0.4	1.9	2.2	3.5	1.2
Earth sciences	1.3	1.1	1.7	1.2	1.6	1.3	1.3	1.4	1.8
Ocean sciences	2.8	4.0	1.4	0.5	1.1	4.5	3.7	1.3	4.6
Mathematics and statistics	7.5	8.3	8.3	8.0	7.3	7.1	6.4	6.0	6.1
Physical sciences	7.0	7.2	7.2	7.8	7.3	7.6	6.8	7.0	6.7
Astronomy	2.1	0.0	1.3	0.6	0.9	1.2	0.4	1.1	1.3
Chemistry	7.7	8.2	7.9	8.8	8.7	8.7	8.3	8.4	8.0
Physics	5.0	4.6	5.5	4.7	4.1	5.2	3.9	4.2	4.1
Other	8.8	5.6	6.9	7.6	5.5	5.9	6.2	7.4	7.0
Psychology	8.3	9.0	9.3	10.3	10.4	10.2	10.3	10.5	10.8

TABLE C-7. Racial/ethnic distribution of S&E bachelor's degrees awarded to U.S. citizens and permanent residents, by field: 1996–2005

Field and race/ethnicity	1996	1997	1998	2000	2001	2002	2003	2004	2005
Social sciences	10.0	10.3	10.4	10.5	10.5	10.5	10.1	10.1	10.2
Anthropology	2.9	3.3	3.4	3.9	3.6	3.6	3.5	4.5	4.2
Area and ethnic studies	12.7	12.9	13.1	13.6	12.8	13.8	13.4	13.2	14.0
Economics	6.3	5.8	5.9	5.9	5.9	6.1	6.1	6.2	6.0
History of science	0.0	6.5	0.0	6.6	6.1	4.0	6.0	5.7	4.3
Linguistics	3.5	1.6	3.6	2.2	3.5	3.2	2.0	3.3	3.4
Political science and public administration	9.8	10.2	10.3	10.2	10.0	10.0	9.5	9.6	9.7
Sociology	14.9	15.7	16.0	16.1	16.7	16.7	16.3	15.8	16.1
Other	8.8	9.1	9.3	9.8	9.6	10.0	9.6	9.7	9.7
Engineering	5.1	5.3	5.4	5.6	5.3	5.3	5.2	5.3	5.2
Aerospace engineering	3.4	4.3	3.2	3.5	2.9	2.6	3.5	3.3	3.2
Chemical engineering	5.5	5.8	6.2	6.6	6.6	6.3	6.1	6.3	6.1
Civil engineering	3.5	3.5	3.6	4.4	3.9	3.7	3.2	3.5	3.6
Electrical engineering	7.1	7.3	7.2	6.6	6.5	6.4	6.9	7.3	6.9
Industrial engineering	7.3	7.0	7.5	7.4	7.1	7.2	7.7	7.3	8.4
Materials engineering	3.0	1.9	3.3	2.6	3.0	3.5	2.4	2.6	2.2
Mechanical engineering	4.6	5.0	4.4	4.8	4.1	4.4	3.5	3.7	3.8
Other	4.2	4.3	4.8	4.9	4.6	5.0	5.1	5.0	4.5
Non-S&E	7.9	8.0	8.3	8.6	8.8	8.8	9.0	9.1	9.1
Hispanic									
All fields	6.2	6.5	6.7	7.3	7.4	7.5	7.6	7.7	7.9
S&E	6.2	6.5	6.8	7.3	7.4	7.5	7.6	7.6	7.9
Sciences	6.1	6.4	6.8	7.3	7.4	7.5	7.7	7.7	7.9
Agricultural sciences	3.1	3.3	3.6	3.5	3.5	3.9	3.9	4.0	4.2
Biological sciences	5.8	6.0	6.5	7.0	7.5	7.2	7.8	7.3	7.3
Computer sciences	5.7	5.7	5.8	6.2	5.9	6.0	6.7	6.7	6.8
Earth, atmospheric, and ocean sciences	2.4	2.6	2.8	3.2	4.0	3.5	3.1	3.4	3.9
Atmospheric sciences	1.6	1.9	1.8	1.9	3.3	1.9	1.8	2.3	3.0
Earth sciences	2.4	2.7	2.7	3.2	4.0	3.4	3.2	3.6	3.9
Ocean sciences	3.9	2.5	5.7	6.7	6.8	7.7	4.5	3.8	7.6
Mathematics and statistics	4.4	4.6	5.2	5.3	5.7	5.7	5.5	5.2	5.8
Physical sciences	5.2	5.0	5.4	6.3	6.4	6.4	6.3	6.5	6.5
Astronomy	4.3	3.0	7.0	4.5	7.0	3.8	4.7	8.2	5.5
Chemistry	6.0	5.6	6.1	7.2	7.1	7.3	7.4	7.3	7.4
Physics	3.2	3.7	3.6	3.9	4.6	4.5	4.4	4.7	4.6
Other	3.9	3.0	3.7	5.0	5.5	5.0	2.7	5.4	6.8
Psychology	6.9	7.2	7.5	8.3	8.5	8.8	8.8	8.9	9.1
Social sciences	6.8	7.4	7.6	8.1	8.1	8.4	8.4	8.4	8.8
Anthropology	5.8	6.8	5.8	6.7	6.9	7.0	7.2	7.6	7.6
Area and ethnic studies	10.7	11.3	12.9	12.1	12.0	12.1	12.8	12.4	12.8
Economics	5.2	5.2	5.2	5.5	5.6	5.4	5.4	5.7	5.9
History of science	4.8	3.2	5.3	3.3	5.1	6.9	4.0	5.0	5.2
Linguistics	8.7	4.9	6.7	6.5	6.6	5.0	5.7	7.3	7.0
Political science and public administration	7.3	7.9	8.0	8.4	8.2	8.4	8.4	8.4	9.1
Sociology	7.1	7.8	8.5	9.1	9.1	9.8	9.9	10.0	10.2
Other	6.1	7.0	7.3	8.3	8.4	9.2	9.1	8.8	8.8

TABLE C-7. Racial/ethnic distribution of S&E bachelor's degrees awarded to U.S. citizens and permanent residents, by field: 1996–2005

(Percent)

Field and race/ethnicity	1996	1997	1998	2000	2001	2002	2003	2004	2005
Engineering	6.4	7.2	7.3	7.4	7.3	7.3	7.3	7.4	7.5
Aerospace engineering	5.9	8.0	7.0	5.8	6.8	6.0	5.9	5.6	6.3
Chemical engineering	5.4	5.9	6.3	6.6	6.0	6.4	6.2	6.5	7.4
Civil engineering	6.4	7.6	8.4	8.3	8.7	8.9	8.8	9.2	9.4
Electrical engineering	7.2	7.7	7.4	8.1	7.9	8.2	7.6	8.1	8.0
Industrial engineering	9.6	12.8	12.8	11.3	10.6	10.5	10.3	9.7	10.3
Materials engineering	4.3	8.6	4.3	4.1	3.8	3.7	5.4	6.2	6.8
Mechanical engineering	6.2	6.5	6.9	6.9	7.1	6.5	7.1	6.8	6.7
Other	4.9	4.4	4.8	4.8	4.4	4.5	4.9	4.7	4.7
Non-S&E	6.2	6.5	6.7	7.3	7.4	7.5	7.6	7.7	7.9
American Indian/Alaskan Native									
All fields	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7
S&E	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7
Sciences	0.6	0.6	0.7	0.7	0.8	0.7	0.7	0.8	0.7
Agricultural sciences	0.9	0.9	0.9	1.1	1.2	0.9	0.9	1.1	1.0
Biological sciences	0.5	0.5	0.6	0.6	0.7	0.7	0.6	0.7	0.8
Computer sciences	0.4	0.4	0.4	0.5	0.7	0.5	0.5	0.8	0.5
Earth, atmospheric, and ocean sciences	0.5	0.7	0.6	1.1	0.9	0.7	0.6	0.8	0.6
Atmospheric sciences	0.2	0.2	0.0	0.8	1.1	0.2	0.7	0.2	0.1
Earth sciences	0.5	0.7	0.7	1.1	0.9	0.7	0.6	1.0	0.7
Ocean sciences	1.1	2.0	0.0	2.1	0.6	0.9	1.5	0.0	0.8
Mathematics and statistics	0.4	0.5	0.6	0.6	0.5	0.5	0.5	0.5	0.5
Physical sciences	0.5	0.5	0.6	0.5	0.5	0.6	0.7	0.6	0.7
Astronomy	0.0	0.0	0.0	1.3	0.9	0.8	1.6	0.4	1.0
Chemistry	0.6	0.5	0.6	0.5	0.5	0.6	0.8	0.6	0.7
Physics	0.6	0.3	0.4	0.4	0.6	0.6	0.5	0.5	0.8
Other	0.4	0.5	0.4	0.3	0.8	0.5	0.3	1.1	0.4
Psychology	0.6	0.7	0.7	0.7	0.8	0.7	0.7	0.7	0.7
Social sciences	0.7	0.7	0.7	0.8	0.8	0.7	0.8	0.8	0.8
Anthropology	1.2	1.3	1.2	1.3	1.4	1.2	1.5	1.4	1.3
Area and ethnic studies	1.2	1.2	1.4	1.5	2.0	2.1	2.3	2.4	2.1
Economics	0.4	0.4	0.4	0.4	0.4	0.3	0.4	0.5	0.4
History of science	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0
Linguistics	0.6	1.0	1.7	1.6	0.3	0.3	1.1	0.4	1.2
Political science and public administration	0.6	0.7	0.6	0.7	0.7	0.6	0.7	0.8	0.7
Sociology	0.8	0.8	0.8	0.9	0.9	0.7	0.9	0.9	0.9
Other	0.7	0.7	0.8	0.8	0.9	0.7	0.8	0.8	0.9
Engineering	0.4	0.5	0.5	0.6	0.5	0.5	0.5	0.6	0.6
Aerospace engineering	0.3	0.3	0.9	0.6	0.6	1.0	0.5	1.1	0.7
Chemical engineering	0.5	0.5	0.5	0.7	0.5	0.6	0.7	0.6	0.7
Civil engineering	0.5	0.6	0.6	0.9	0.8	0.8	0.7	0.7	0.8
Electrical engineering	0.4	0.3	0.4	0.5	0.3	0.4	0.5	0.5	0.4
Industrial engineering	0.2	0.5	0.4	0.7	0.5	0.6	0.3	0.4	0.8
Materials engineering	0.4	0.6	0.3	0.5	0.5	0.7	0.3	0.7	0.6
Mechanical engineering	0.4	0.3	0.4	0.4	0.4	0.5	0.4	0.5	0.5
Other	0.4	0.6	0.5	0.5	0.4	0.5	0.5	0.5	0.6
Non-S&E	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7

TABLE C-7. Racial/ethnic distribution of S&E bachelor's degrees awarded to U.S. citizens and permanent residents, by field: 1996–2005

Field and race/ethnicity	1996	1997	1998	2000	2001	2002	2003	2004	2005
Other or unknown race/ethnicity									
All fields	2.4	2.5	2.7	3.5	4.0	4.6	5.1	5.6	5.7
S&E	2.5	2.6	2.8	3.6	4.1	4.5	5.1	5.6	5.7
Sciences	2.5	2.7	2.9	3.8	4.2	4.7	5.2	5.8	5.9
Agricultural sciences	2.7	2.3	2.4	3.4	3.6	4.0	4.2	4.3	4.3
Biological sciences	2.2	2.3	2.5	3.2	3.6	4.0	4.2	4.4	4.6
Computer sciences	2.4	3.7	3.9	4.5	5.2	5.8	6.8	9.2	9.1
Earth, atmospheric, and ocean sciences	2.5	2.4	3.1	3.0	3.8	4.2	4.5	5.3	4.7
Atmospheric sciences	1.4	1.4	0.7	1.7	5.1	4.4	4.7	2.8	3.9
Earth sciences	2.8	2.6	3.5	3.3	3.8	4.4	4.5	5.9	4.9
Ocean sciences	0.6	1.5	1.9	1.6	0.6	1.4	2.2	1.9	4.6
Mathematics and statistics	2.1	2.2	2.3	3.5	4.1	4.2	5.0	5.1	5.3
Physical sciences	2.2	2.4	2.7	3.2	3.7	4.4	4.7	4.9	5.2
Astronomy	6.4	6.8	3.2	3.8	4.4	6.5	4.3	6.0	10.3
Chemistry	1.7	1.9	2.4	2.8	3.3	3.7	3.9	4.3	4.1
Physics	3.5	3.5	3.3	4.7	5.0	5.7	6.7	6.1	7.2
Other	2.9	3.0	4.5	1.9	3.9	5.3	4.8	5.2	5.8
Psychology	2.3	2.5	2.6	3.5	3.9	4.5	4.7	4.8	5.0
Social sciences	2.9	2.9	3.2	4.2	4.6	4.9	5.6	6.1	6.4
Anthropology	4.6	3.8	4.3	5.8	6.3	7.0	7.5	8.2	8.1
Area and ethnic studies	2.9	3.4	3.0	5.2	5.5	5.8	6.7	7.2	7.3
Economics	3.4	2.9	3.2	4.2	4.7	4.8	5.5	5.7	6.2
History of science	0.0	0.0	0.0	12.1	15.3	9.9	6.0	7.9	6.9
Linguistics	7.7	6.7	4.8	8.7	6.0	7.2	9.4	11.2	11.7
Political science and public administration	2.5	2.6	2.9	4.0	4.5	4.8	5.6	6.2	6.6
Sociology	2.3	2.5	2.8	3.4	3.9	4.3	4.6	4.9	5.2
Other	3.4	3.7	3.6	4.4	4.8	4.9	5.6	6.3	6.5
Engineering	2.5	2.3	2.3	2.9	3.4	3.7	4.2	4.4	4.6
Aerospace engineering	2.8	2.4	1.3	3.1	3.7	3.8	4.3	5.4	3.6
Chemical engineering	2.1	1.9	1.7	2.1	2.8	2.8	4.0	3.4	3.4
Civil engineering	2.6	2.0	2.2	2.6	3.1	3.2	3.6	4.0	4.1
Electrical engineering	2.9	2.5	2.7	3.6	4.1	4.5	5.0	5.3	5.4
Industrial engineering	1.4	2.7	2.1	2.0	2.5	2.9	3.1	2.9	4.2
Materials engineering	2.6	2.2	1.8	3.9	3.0	4.0	5.7	5.6	5.7
Mechanical engineering	2.4	2.5	2.6	2.9	3.5	3.8	3.8	4.1	4.5
Other	2.2	2.3	2.3	3.0	3.3	3.4	4.0	3.8	4.5
Non-S&E	2.3	2.4	2.6	3.5	4.0	4.6	5.1	5.6	5.7

NOTES: Race/ethnicity breakouts are for U.S. citizens and permanent residents only. Temporary resident includes all racial/ethnic groups. Data not available for 1999.

SOURCE: National Science Foundation, Division of Science Resources Statistics, special tabulations of U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System, Completions Survey, 1996–2005.