

TABLE C-7. Racial/ethnic distribution of S&amp;E bachelor's degrees awarded to U.S. citizens and permanent residents, by field: 1998–2007

Field and race/ethnicity	1998	2000	2001	2002	2003	2004	2005	2006	2007
<i>White</i>									
All fields	75.7	73.8	72.9	72.2	71.4	70.5	70.0	69.4	69.0
S&E	72.5	70.5	69.6	69.2	68.5	67.7	67.2	67.1	66.8
Sciences	72.6	70.4	69.5	69.0	68.2	67.4	66.9	66.8	66.4
Agricultural sciences	88.4	87.0	86.8	86.1	85.7	85.5	85.2	84.4	83.4
Biological sciences	69.9	69.1	68.1	68.4	67.6	67.3	66.3	65.6	64.6
Computer sciences	66.9	62.9	61.3	60.5	58.5	57.2	58.8	60.0	62.3
Earth, atmospheric, and ocean sciences	89.7	89.0	87.7	87.9	88.4	86.6	86.8	85.9	86.4
Atmospheric sciences	94.8	90.7	87.0	90.0	89.0	89.3	89.5	89.0	89.9
Earth sciences	89.3	89.0	87.8	88.1	88.5	86.1	86.4	85.4	85.6
Ocean sciences	85.7	84.8	86.4	80.1	83.6	87.4	80.9	82.8	87.6
Mathematics and statistics	76.5	74.6	74.1	74.1	73.2	73.7	72.2	72.1	72.3
Physical sciences	73.3	71.9	72.1	72.0	73.1	72.0	71.7	70.5	69.6
Astronomy	80.9	84.0	81.5	78.5	82.8	78.0	75.2	76.2	77.7
Chemistry	70.3	68.7	68.6	68.8	69.8	68.7	69.1	67.4	66.1
Physics	80.9	79.4	80.1	78.7	79.1	78.8	77.3	77.1	76.3
Other	81.0	81.1	80.7	78.3	80.8	74.6	73.1	73.7	78.2
Psychology	74.0	71.4	70.8	70.2	70.4	69.7	68.7	68.3	67.2
Social sciences	70.8	68.9	68.1	67.7	67.1	66.3	65.3	65.1	64.6
Anthropology	79.3	77.5	77.0	75.9	75.1	73.1	73.2	72.5	70.9
Area and ethnic studies	56.9	54.1	54.5	54.1	52.8	52.3	50.2	49.6	49.9
Economics	70.5	68.3	66.9	67.1	65.5	64.4	64.1	63.9	63.9
History of science	86.8	63.7	58.2	59.4	68.0	71.4	74.1	75.5	66.4
Linguistics	68.4	69.4	73.4	74.5	71.7	67.0	65.3	68.4	67.0
Political science and public administration	72.2	70.8	70.3	69.9	69.5	68.7	67.4	67.3	67.0
Sociology	66.9	65.2	64.1	63.3	63.0	62.5	61.0	60.3	59.3
Other	74.7	72.2	71.2	70.4	69.7	69.1	68.5	68.9	68.0
Engineering	72.1	71.0	70.7	70.5	70.3	69.6	68.7	68.5	68.8
Aerospace engineering	79.0	78.4	78.4	78.7	77.9	76.0	77.9	76.9	76.0
Chemical engineering	70.9	70.3	71.7	72.3	72.2	72.3	71.5	69.8	69.0
Civil engineering	77.0	76.6	77.5	77.7	78.0	77.2	76.0	75.3	74.0
Electrical engineering	63.4	61.3	59.8	58.3	58.7	57.3	56.8	56.5	57.7
Industrial engineering	66.6	69.0	69.6	68.7	67.6	68.7	66.5	66.8	66.8
Materials engineering	78.0	79.3	79.7	78.8	76.3	73.4	73.1	69.9	72.8
Mechanical engineering	76.8	76.8	76.8	77.8	78.2	78.2	76.8	76.3	75.7
Other	76.3	74.9	74.7	74.7	73.4	72.6	70.7	68.7	68.9
Non-S&E	77.2	75.3	74.5	73.6	72.7	71.9	71.4	70.5	70.1
<i>Asian/Pacific Islander</i>									
All fields	6.0	6.2	6.2	6.3	6.3	6.3	6.5	6.6	6.6
S&E	9.0	9.3	9.5	9.4	9.4	9.4	9.6	9.7	9.7
Sciences	8.4	8.7	8.9	8.9	8.9	8.9	9.0	9.0	9.2
Agricultural sciences	2.5	2.5	2.3	2.4	2.6	2.5	2.7	3.2	3.5
Biological sciences	13.5	12.6	12.4	12.0	11.9	12.3	13.4	14.2	15.0
Computer sciences	12.6	15.6	15.9	15.9	15.6	14.0	12.6	10.4	8.9
Earth, atmospheric, and ocean sciences	2.2	2.4	2.2	2.2	1.9	2.2	2.2	2.4	2.6
Atmospheric sciences	1.1	2.9	3.1	1.5	1.6	1.9	2.2	1.9	2.3

TABLE C-7. Racial/ethnic distribution of S&amp;E bachelor's degrees awarded to U.S. citizens and permanent residents, by field: 1998–2007

Field and race/ethnicity	1998	2000	2001	2002	2003	2004	2005	2006	2007
Earth sciences	2.1	2.3	1.9	2.0	1.8	2.1	2.2	2.4	2.6
Ocean sciences	5.2	3.6	4.5	5.4	4.5	5.7	1.5	5.1	5.1
Mathematics and statistics	7.2	7.9	8.3	8.5	9.4	9.5	10.1	10.0	9.7
Physical sciences	10.8	10.4	9.9	9.0	8.4	9.0	9.2	10.4	11.1
Astronomy	7.6	5.8	5.3	9.2	6.3	6.4	6.8	10.5	5.0
Chemistry	12.7	12.0	11.9	10.8	9.9	10.7	10.7	12.2	13.1
Physics	6.3	6.8	5.6	5.3	5.4	5.6	5.9	6.5	7.0
Other	3.6	4.2	3.6	5.0	5.1	6.3	7.0	6.2	7.8
Psychology	5.8	5.7	5.7	5.6	5.2	5.4	5.7	6.1	6.3
Social sciences	7.2	7.5	7.8	7.8	8.0	8.3	8.5	8.5	8.5
Anthropology	5.9	4.9	4.9	5.3	5.3	5.3	5.6	6.2	6.7
Area and ethnic studies	12.8	13.6	13.2	12.1	12.0	12.5	13.6	12.9	13.0
Economics	14.8	15.7	16.6	16.2	17.0	17.6	17.4	17.3	17.1
History of science	7.9	13.2	15.3	19.8	16.0	10.0	9.5	8.2	7.3
Linguistics	14.7	11.4	10.1	9.5	10.0	10.8	11.5	9.9	10.6
Political science and public administration	6.0	5.9	6.3	6.2	6.2	6.3	6.5	6.7	6.7
Sociology	4.9	5.2	5.2	5.3	5.3	6.0	6.6	6.8	6.7
Other	4.2	4.6	5.0	4.8	5.1	5.3	5.6	5.5	5.7
Engineering	12.4	12.5	12.8	12.6	12.5	12.7	13.4	13.5	13.3
Aerospace engineering	8.6	8.6	7.6	7.9	7.8	8.7	8.3	8.6	9.4
Chemical engineering	14.4	13.6	12.4	11.6	10.9	10.9	10.9	12.6	14.0
Civil engineering	8.3	7.0	6.1	5.7	5.5	5.4	6.2	7.5	8.3
Electrical engineering	19.0	19.8	21.3	22.1	21.2	21.4	22.4	21.6	20.1
Industrial engineering	10.5	9.6	9.6	10.1	10.9	11.0	9.9	10.5	10.6
Materials engineering	12.2	9.7	9.9	9.4	9.9	11.4	11.7	17.3	15.7
Mechanical engineering	9.0	8.1	8.1	7.0	7.0	6.8	7.6	8.1	8.7
Other	11.3	11.8	12.6	11.8	12.0	13.4	15.1	16.3	16.3
Non-S&E	4.6	4.8	4.7	4.8	4.9	4.9	5.0	5.2	5.2
Black									
All fields	8.3	8.6	8.8	8.8	8.9	9.0	9.1	9.2	9.2
S&E	8.2	8.6	8.7	8.7	8.7	8.8	8.8	8.7	8.6
Sciences	8.7	9.1	9.2	9.3	9.3	9.4	9.4	9.3	9.2
Agricultural sciences	2.3	2.5	2.5	2.7	2.6	2.7	2.6	2.8	2.8
Biological sciences	6.9	7.5	7.7	7.7	7.9	8.0	7.7	7.6	7.6
Computer sciences	10.5	10.3	10.9	11.0	11.5	11.4	11.5	11.7	11.4
Earth, atmospheric, and ocean sciences	1.7	1.3	1.4	1.6	1.5	1.7	1.8	1.5	2.0
Atmospheric sciences	1.6	2.1	0.4	1.9	2.2	3.5	1.2	2.2	2.0
Earth sciences	1.7	1.2	1.6	1.3	1.3	1.4	1.8	1.4	1.9
Ocean sciences	1.4	0.6	1.1	4.5	3.7	1.3	4.6	1.0	2.2
Mathematics and statistics	8.3	8.0	7.3	7.1	6.5	6.0	6.1	5.8	5.6
Physical sciences	7.2	7.8	7.3	7.6	6.8	7.0	6.7	6.7	6.4
Astronomy	1.3	0.6	0.9	1.2	0.4	1.1	1.3	2.5	0.9
Chemistry	7.9	8.8	8.7	8.8	8.3	8.4	8.0	7.9	7.9
Physics	5.5	4.7	4.1	5.2	3.9	4.2	4.2	4.0	3.5
Other	6.9	7.6	5.5	5.9	6.2	7.4	7.0	6.2	5.0
Psychology	9.3	10.3	10.4	10.2	10.3	10.5	10.8	10.5	10.9

TABLE C-7. Racial/ethnic distribution of S&E bachelor's degrees awarded to U.S. citizens and permanent residents, by field: 1998–2007

(Percent)

Field and race/ethnicity	1998	2000	2001	2002	2003	2004	2005	2006	2007
Social sciences	10.4	10.5	10.5	10.5	10.1	10.1	10.2	10.3	10.0
Anthropology	3.4	3.9	3.6	3.6	3.5	4.5	4.2	4.2	4.5
Area and ethnic studies	13.1	13.6	12.8	13.8	13.4	13.2	14.0	14.9	13.4
Economics	5.9	5.9	5.9	6.1	6.1	6.2	6.0	6.1	5.7
History of science	0.0	6.6	6.1	4.0	6.0	5.7	4.3	3.6	10.9
Linguistics	3.6	2.2	3.5	3.3	2.0	3.3	3.4	3.9	3.4
Political science and public administration	10.3	10.2	10.0	10.0	9.5	9.6	9.7	9.8	9.3
Sociology	16.1	16.1	16.7	16.7	16.3	15.8	16.1	16.4	16.5
Other	9.3	9.8	9.6	10.0	9.6	9.7	9.6	9.1	9.3
Engineering	5.4	5.6	5.3	5.3	5.2	5.4	5.2	5.1	5.0
Aerospace engineering	3.2	3.5	2.9	2.6	3.5	3.3	3.2	3.3	2.7
Chemical engineering	6.2	6.6	6.6	6.3	6.1	6.3	6.1	5.2	5.2
Civil engineering	3.6	4.4	3.9	3.7	3.2	3.5	3.6	3.1	3.7
Electrical engineering	7.2	6.7	6.6	6.5	7.0	7.4	7.0	7.2	7.2
Industrial engineering	7.5	7.4	7.1	7.2	7.8	7.3	8.4	7.9	8.0
Materials engineering	3.3	2.6	3.0	3.5	2.4	2.6	2.2	2.9	2.3
Mechanical engineering	4.4	4.8	4.2	4.4	3.5	3.7	3.8	3.7	3.5
Other	4.8	4.9	4.6	5.0	5.1	5.0	4.5	5.0	4.6
Non-S&E	8.3	8.6	8.8	8.8	9.0	9.1	9.2	9.4	9.5
Hispanic									
All fields	6.7	7.3	7.4	7.5	7.6	7.8	7.9	8.1	8.3
S&E	6.8	7.3	7.4	7.5	7.7	7.7	7.9	8.0	8.2
Sciences	6.8	7.3	7.4	7.5	7.7	7.7	8.0	8.1	8.3
Agricultural sciences	3.6	3.5	3.5	3.9	3.9	4.0	4.2	3.8	4.5
Biological sciences	6.5	7.0	7.5	7.3	7.8	7.3	7.3	7.2	7.1
Computer sciences	5.8	6.2	6.0	6.1	6.8	6.8	7.0	7.5	7.4
Earth, atmospheric, and ocean sciences	2.8	3.1	4.0	3.5	3.1	3.4	3.9	3.7	3.4
Atmospheric sciences	1.8	1.9	3.3	1.9	1.8	2.3	3.0	3.1	2.4
Earth sciences	2.7	3.2	4.0	3.4	3.2	3.6	3.9	3.8	3.6
Ocean sciences	5.7	6.7	6.8	7.7	4.5	3.8	7.6	3.0	2.9
Mathematics and statistics	5.2	5.3	5.7	5.7	5.5	5.2	5.8	6.1	6.4
Physical sciences	5.4	6.3	6.4	6.4	6.3	6.5	6.5	6.3	6.3
Astronomy	7.0	4.5	7.0	3.8	4.7	8.2	5.5	3.4	5.6
Chemistry	6.1	7.2	7.1	7.3	7.4	7.3	7.4	7.1	6.9
Physics	3.6	3.9	4.6	4.5	4.4	4.7	4.6	4.8	5.3
Other	3.7	5.0	5.5	5.0	2.7	5.4	6.8	6.0	4.0
Psychology	7.5	8.3	8.5	8.8	8.8	9.0	9.1	9.5	9.6
Social sciences	7.6	8.1	8.1	8.4	8.4	8.4	8.8	8.9	9.4
Anthropology	5.8	6.7	6.9	7.0	7.2	7.5	7.6	7.6	8.0
Area and ethnic studies	12.8	12.1	12.0	12.1	12.8	12.4	12.8	13.6	14.0
Economics	5.2	5.5	5.6	5.4	5.4	5.7	5.9	6.3	6.7
History of science	5.3	3.3	5.1	6.9	4.0	5.0	5.2	4.5	4.5
Linguistics	6.7	6.6	6.6	5.1	5.8	7.3	7.0	7.1	7.9
Political science and public administration	8.0	8.4	8.2	8.4	8.4	8.4	9.1	8.7	9.6
Sociology	8.5	9.1	9.1	9.8	9.9	10.0	10.2	10.5	11.0
Other	7.3	8.2	8.4	9.2	9.2	8.8	8.9	9.2	9.1

TABLE C-7. Racial/ethnic distribution of S&E bachelor's degrees awarded to U.S. citizens and permanent residents, by field: 1998–2007  
(Percent)

Field and race/ethnicity	1998	2000	2001	2002	2003	2004	2005	2006	2007
Engineering	7.3	7.4	7.3	7.3	7.3	7.5	7.5	7.8	7.8
Aerospace engineering	7.0	5.8	6.8	6.0	5.9	5.6	6.3	5.9	6.5
Chemical engineering	6.3	6.6	6.0	6.4	6.2	6.5	7.4	7.8	7.0
Civil engineering	8.4	8.4	8.7	8.9	8.8	9.2	9.4	9.2	9.2
Electrical engineering	7.4	8.1	7.9	8.3	7.6	8.2	8.0	8.8	9.1
Industrial engineering	12.8	11.3	10.7	10.5	10.3	9.7	10.3	11.3	10.7
Materials engineering	4.3	4.1	3.8	3.7	5.4	6.2	6.8	6.0	4.1
Mechanical engineering	6.9	6.9	7.1	6.5	7.1	6.8	6.8	6.8	7.1
Other	4.8	4.8	4.4	4.5	4.9	4.7	4.7	4.9	4.8
Non-S&E	6.7	7.3	7.4	7.6	7.6	7.8	7.9	8.1	8.4
American Indian/Alaska Native									
All fields	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
S&E	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Sciences	0.7	0.7	0.8	0.7	0.7	0.8	0.7	0.8	0.7
Agricultural sciences	0.9	1.1	1.2	0.9	0.9	1.1	1.0	1.1	0.9
Biological sciences	0.6	0.6	0.7	0.7	0.6	0.7	0.8	0.7	0.7
Computer sciences	0.4	0.5	0.7	0.5	0.5	0.8	0.6	0.6	0.6
Earth, atmospheric, and ocean sciences	0.6	1.1	0.9	0.7	0.6	0.8	0.6	0.9	0.6
Atmospheric sciences	0.0	0.8	1.1	0.2	0.7	0.2	0.1	0.2	0.5
Earth sciences	0.7	1.1	0.9	0.7	0.6	1.0	0.7	1.1	0.7
Ocean sciences	0.0	2.4	0.6	0.9	1.5	0.0	0.8	0.0	0.7
Mathematics and statistics	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.4	0.4
Physical sciences	0.6	0.5	0.5	0.6	0.7	0.6	0.7	0.7	0.7
Astronomy	0.0	1.3	0.9	0.8	1.6	0.4	1.0	0.3	0.3
Chemistry	0.6	0.5	0.5	0.6	0.8	0.6	0.7	0.7	0.8
Physics	0.4	0.4	0.6	0.6	0.5	0.5	0.8	0.6	0.5
Other	0.4	0.3	0.8	0.5	0.3	1.1	0.4	0.8	0.8
Psychology	0.7	0.7	0.8	0.7	0.7	0.7	0.7	0.7	0.7
Social sciences	0.7	0.8	0.8	0.7	0.8	0.8	0.8	0.9	0.9
Anthropology	1.2	1.3	1.4	1.2	1.5	1.4	1.3	1.4	1.5
Area and ethnic studies	1.4	1.5	2.0	2.1	2.3	2.4	2.1	1.9	2.5
Economics	0.4	0.4	0.4	0.3	0.4	0.5	0.4	0.5	0.5
History of science	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Linguistics	1.7	1.6	0.3	0.3	1.1	0.4	1.2	0.6	0.9
Political science and public administration	0.6	0.7	0.7	0.6	0.7	0.8	0.7	0.8	0.7
Sociology	0.8	0.9	0.9	0.7	0.9	0.9	0.9	1.0	0.9
Other	0.8	0.8	0.9	0.7	0.8	0.8	0.9	0.9	0.9
Engineering	0.5	0.6	0.5	0.5	0.5	0.6	0.6	0.6	0.5
Aerospace engineering	0.9	0.6	0.6	1.0	0.5	1.1	0.7	0.5	0.3
Chemical engineering	0.5	0.7	0.5	0.6	0.7	0.6	0.7	0.6	0.5
Civil engineering	0.6	0.9	0.8	0.8	0.7	0.7	0.8	0.7	0.7
Electrical engineering	0.4	0.5	0.3	0.4	0.5	0.5	0.4	0.4	0.4
Industrial engineering	0.4	0.7	0.5	0.6	0.3	0.4	0.8	0.5	0.4
Materials engineering	0.3	0.5	0.5	0.7	0.3	0.7	0.6	0.8	0.5
Mechanical engineering	0.4	0.4	0.4	0.5	0.4	0.5	0.5	0.6	0.4
Other	0.5	0.5	0.4	0.5	0.5	0.5	0.6	0.6	0.5
Non-S&E	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7

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(Percent)

Field and race/ethnicity	1998	2000	2001	2002	2003	2004	2005	2006	2007
Other or unknown race/ethnicity									
All fields	2.7	3.5	4.0	4.6	5.1	5.7	5.8	5.9	6.1
S&E	2.8	3.6	4.1	4.6	5.1	5.7	5.8	5.8	5.9
Sciences	2.9	3.8	4.2	4.7	5.2	5.9	6.0	6.0	6.1
Agricultural sciences	2.4	3.4	3.6	4.0	4.2	4.2	4.3	4.6	5.0
Biological sciences	2.5	3.2	3.5	4.0	4.2	4.4	4.6	4.7	5.0
Computer sciences	3.9	4.5	5.2	6.0	7.2	9.8	9.6	9.8	9.3
Earth, atmospheric, and ocean sciences	3.1	3.0	3.8	4.2	4.5	5.3	4.7	5.7	5.0
Atmospheric sciences	0.7	1.7	5.1	4.4	4.7	2.8	3.9	3.7	2.7
Earth sciences	3.5	3.3	3.8	4.4	4.5	5.9	4.9	6.0	5.6
Ocean sciences	1.9	1.8	0.6	1.4	2.2	1.9	4.6	8.1	1.5
Mathematics and statistics	2.3	3.5	4.1	4.1	4.9	5.1	5.3	5.6	5.6
Physical sciences	2.7	3.2	3.7	4.4	4.7	4.9	5.1	5.5	5.9
Astronomy	3.2	3.8	4.4	6.5	4.3	6.0	10.3	7.1	10.3
Chemistry	2.4	2.8	3.3	3.7	3.8	4.3	4.1	4.7	5.1
Physics	3.3	4.7	5.0	5.6	6.7	6.1	7.2	7.1	7.4
Other	4.5	1.9	3.9	5.3	4.8	5.2	5.8	7.0	4.2
Psychology	2.6	3.5	3.9	4.5	4.6	4.7	5.0	5.0	5.3
Social sciences	3.2	4.2	4.6	4.9	5.6	6.1	6.4	6.3	6.6
Anthropology	4.3	5.8	6.3	7.0	7.5	8.2	8.1	8.0	8.5
Area and ethnic studies	3.0	5.2	5.5	5.8	6.7	7.2	7.3	7.1	7.2
Economics	3.2	4.2	4.7	4.8	5.5	5.7	6.2	5.9	6.3
History of science	0.0	12.1	15.3	9.9	6.0	7.9	6.9	8.2	10.9
Linguistics	4.8	8.8	6.0	7.3	9.5	11.2	11.7	10.0	10.2
Political science and public administration	2.9	4.0	4.5	4.8	5.6	6.2	6.6	6.8	6.7
Sociology	2.8	3.4	3.9	4.3	4.6	4.9	5.2	5.0	5.7
Other	3.6	4.4	4.9	4.9	5.7	6.4	6.5	6.3	6.9
Engineering	2.3	2.9	3.4	3.7	4.2	4.4	4.6	4.6	4.7
Aerospace engineering	1.3	3.1	3.7	3.8	4.3	5.4	3.6	4.8	5.0
Chemical engineering	1.7	2.1	2.8	2.8	4.0	3.4	3.4	3.9	4.2
Civil engineering	2.2	2.6	3.1	3.2	3.6	4.0	4.1	4.2	4.3
Electrical engineering	2.6	3.5	4.1	4.5	5.0	5.3	5.4	5.5	5.4
Industrial engineering	2.1	2.0	2.5	2.9	3.1	2.9	4.2	3.1	3.5
Materials engineering	1.8	3.9	3.0	4.0	5.7	5.6	5.7	3.0	4.6
Mechanical engineering	2.6	2.9	3.5	3.8	3.8	4.1	4.5	4.6	4.5
Other	2.3	3.0	3.2	3.5	4.1	3.8	4.5	4.4	4.9
Non-S&E	2.6	3.4	3.9	4.6	5.0	5.7	5.8	6.0	6.1

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. Data based on degree-granting institutions eligible to participate in Title IV federal financial aid programs and do not match previously published data based on accredited higher education institutions.

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, 1998–2007.