

TABLE C-7. Racial/ethnic distribution of S&amp;E bachelor's degrees awarded to U.S. citizens and permanent residents, by field: 1995–2004

(Percent)

Field and race/ethnicity	1995	1996	1997	1998	2000	2001	2002	2003	2004
White									
All fields	78.5	77.4	76.5	75.6	73.7	72.9	72.2	71.4	70.7
S&E	75.9	74.8	73.5	72.5	70.5	69.7	69.2	68.5	67.8
Sciences	76.1	75.0	73.7	72.6	70.4	69.5	69.0	68.2	67.5
Agricultural sciences	89.9	89.3	89.1	88.4	87.0	86.8	86.1	86.0	85.4
Biological sciences	73.2	72.0	71.3	69.9	69.1	68.1	68.5	67.7	67.3
Computer sciences	69.4	69.7	67.8	66.8	62.9	61.5	60.8	59.0	57.8
Earth, atmospheric, and ocean sciences	91.1	91.1	90.8	89.7	89.0	87.7	87.9	88.4	86.6
Atmospheric sciences	91.1	93.1	92.9	94.8	90.7	87.0	90.0	89.0	89.3
Earth sciences	91.2	90.9	91.0	89.3	89.0	87.8	88.1	88.5	86.1
Ocean sciences	88.7	88.9	84.3	85.7	85.5	86.4	80.1	83.6	87.4
Mathematics and statistics	79.1	78.2	77.4	76.5	74.6	74.1	74.1	73.2	73.7
Physical sciences	76.8	75.0	74.5	73.3	71.9	72.1	72.0	73.0	72.0
Astronomy	83.0	76.4	84.8	80.9	84.0	81.5	78.5	82.8	78.0
Chemistry	73.9	72.7	71.6	70.3	68.7	68.6	68.8	69.7	68.7
Physics	83.1	81.0	81.5	80.9	79.4	80.2	78.7	79.1	78.9
Other	80.9	78.7	83.6	81.0	81.1	80.7	78.3	80.8	74.6
Psychology	78.0	76.8	75.1	74.0	71.4	70.7	70.2	70.3	69.7
Social sciences	74.8	73.4	71.9	70.8	68.9	68.1	67.7	67.2	66.4
Anthropology	82.5	80.4	79.3	79.3	77.5	77.0	75.9	75.1	73.1
Area and ethnic studies	63.7	60.0	59.8	56.7	54.1	54.5	54.1	52.8	52.3
Economics	74.0	72.3	72.0	70.5	68.3	66.9	67.1	65.5	64.4
History of science	92.9	85.7	77.4	86.8	63.7	58.2	59.4	68.0	71.4
Linguistics	70.0	68.8	73.1	68.4	69.9	73.4	75.0	71.8	67.0
Political science and public administration	75.6	74.6	72.8	72.2	70.8	70.3	69.9	69.7	69.1
Sociology	71.4	70.4	68.1	66.9	65.2	64.2	63.3	63.0	62.5
Other	79.3	77.2	75.4	74.7	72.1	71.2	70.4	69.8	69.1
Engineering	74.7	73.9	72.4	72.1	71.0	70.7	70.5	70.3	69.6
Aerospace engineering	78.6	77.2	74.8	79.0	78.4	78.4	78.7	77.9	76.0
Chemical engineering	75.3	74.6	72.3	70.9	70.3	71.7	72.3	72.2	72.3
Civil engineering	79.4	78.5	77.5	77.0	76.6	77.5	77.7	78.0	77.2
Electrical engineering	65.2	64.2	63.8	63.3	61.3	59.8	58.3	58.7	57.3
Industrial engineering	71.7	71.7	64.6	66.6	69.0	69.7	68.7	67.6	68.7
Materials engineering	83.8	80.7	78.6	78.0	79.3	79.7	78.8	76.3	73.4
Mechanical engineering	78.9	77.9	76.9	76.8	76.8	76.8	77.8	78.2	78.2
Other	79.2	78.3	76.6	76.3	74.9	74.7	74.8	73.4	72.6
Non-S&E	79.7	78.7	77.9	77.1	75.2	74.4	73.6	72.8	72.0
Asian/Pacific Islander									
All fields	5.2	5.5	5.9	6.0	6.2	6.2	6.3	6.3	6.3
S&E	7.9	8.2	8.7	9.0	9.3	9.5	9.4	9.4	9.5
Sciences	7.2	7.6	8.1	8.4	8.7	8.9	8.8	8.9	8.9
Agricultural sciences	2.0	1.9	2.3	2.5	2.5	2.3	2.4	2.6	2.6
Biological sciences	12.7	13.1	13.4	13.5	12.6	12.4	12.0	11.9	12.4
Computer sciences	10.6	11.0	12.0	12.6	15.7	15.9	15.9	15.6	14.2
Earth, atmospheric, and ocean sciences	2.3	2.1	2.2	2.2	2.4	2.2	2.2	1.9	2.2
Atmospheric sciences	2.7	2.1	1.7	1.1	2.9	3.1	1.5	1.6	1.9

TABLE C-7. Racial/ethnic distribution of S&E bachelor's degrees awarded to U.S. citizens and permanent residents, by field: 1995–2004

(Percent)

Field and race/ethnicity	1995	1996	1997	1998	2000	2001	2002	2003	2004
Earth sciences	2.0	2.1	2.0	2.1	2.3	1.9	2.0	1.8	2.1
Ocean sciences	6.4	2.8	5.6	5.2	3.6	4.5	5.4	4.5	5.7
Mathematics and statistics	7.3	7.3	7.0	7.2	7.9	8.3	8.5	9.4	9.5
Physical sciences	8.7	9.9	10.4	10.8	10.4	9.9	9.0	8.4	9.0
Astronomy	8.2	10.7	5.3	7.6	5.8	5.3	9.2	6.3	6.4
Chemistry	10.2	11.4	12.2	12.7	12.0	11.9	10.7	9.9	10.7
Physics	5.9	6.7	6.3	6.3	6.8	5.6	5.3	5.4	5.6
Other	3.7	5.3	4.3	3.6	4.2	3.6	5.0	5.1	6.3
Psychology	4.6	5.0	5.5	5.8	5.7	5.7	5.6	5.2	5.4
Social sciences	5.9	6.3	6.7	7.2	7.5	7.8	7.8	8.0	8.3
Anthropology	4.6	5.0	5.5	5.9	4.9	4.9	5.3	5.3	5.3
Area and ethnic studies	10.3	12.4	11.3	12.8	13.6	13.2	12.1	12.0	12.5
Economics	11.5	12.4	13.6	14.8	15.7	16.6	16.2	17.0	17.6
History of science	7.1	9.5	12.9	7.9	13.2	15.3	19.8	16.0	10.0
Linguistics	10.5	10.7	12.6	14.7	11.2	10.1	9.4	10.0	10.8
Political science and public administration	5.1	5.2	5.7	6.0	5.9	6.3	6.2	6.3	6.4
Sociology	4.4	4.6	5.0	4.9	5.2	5.2	5.3	5.3	6.0
Other	3.5	3.8	4.0	4.2	4.6	5.0	4.8	5.1	5.3
Engineering	11.6	11.7	12.3	12.4	12.5	12.8	12.6	12.5	12.7
Aerospace engineering	9.6	10.5	10.2	8.6	8.6	7.6	7.9	7.8	8.7
Chemical engineering	11.1	12.0	13.6	14.4	13.6	12.4	11.6	10.9	10.9
Civil engineering	8.6	8.5	8.8	8.3	7.1	6.1	5.7	5.5	5.4
Electrical engineering	17.9	18.3	18.3	19.0	19.8	21.3	22.1	21.2	21.4
Industrial engineering	9.3	9.8	12.4	10.5	9.6	9.5	10.1	10.9	11.0
Materials engineering	9.2	9.0	8.1	12.2	9.7	9.9	9.4	9.9	11.4
Mechanical engineering	8.7	8.6	8.8	9.0	8.1	8.0	7.0	7.0	6.7
Other	10.2	10.1	11.8	11.3	11.8	12.6	11.8	12.0	13.4
Non-S&E	4.0	4.2	4.5	4.6	4.8	4.7	4.8	4.9	4.8
Black									
All fields	7.5	7.8	8.0	8.3	8.6	8.8	8.8	8.9	9.0
S&E	7.4	7.7	8.0	8.2	8.6	8.7	8.7	8.7	8.8
Sciences	7.9	8.2	8.5	8.7	9.1	9.2	9.3	9.3	9.3
Agricultural sciences	1.8	2.1	2.1	2.3	2.5	2.5	2.7	2.1	2.3
Biological sciences	5.8	6.3	6.5	6.9	7.5	7.7	7.7	7.9	8.0
Computer sciences	11.2	10.9	10.4	10.4	10.1	10.8	10.9	11.4	11.3
Earth, atmospheric, and ocean sciences	1.5	1.4	1.3	1.7	1.3	1.4	1.6	1.5	1.7
Atmospheric sciences	2.5	1.6	1.9	1.6	2.1	0.4	1.9	2.2	3.5
Earth sciences	1.3	1.3	1.1	1.7	1.2	1.6	1.3	1.3	1.4
Ocean sciences	2.0	2.8	4.0	1.4	0.5	1.1	4.5	3.7	1.3
Mathematics and statistics	7.2	7.5	8.3	8.3	8.0	7.3	7.1	6.4	6.0
Physical sciences	6.8	7.0	7.2	7.2	7.8	7.3	7.6	6.8	7.0
Astronomy	1.9	2.1	0.0	1.3	0.6	0.9	1.2	0.4	1.1
Chemistry	7.7	7.7	8.2	7.9	8.8	8.7	8.7	8.3	8.4
Physics	4.8	5.0	4.6	5.5	4.7	4.1	5.2	3.9	4.2
Other	6.7	8.8	5.6	6.9	7.6	5.5	5.9	6.2	7.4
Psychology	8.0	8.3	9.0	9.3	10.3	10.4	10.2	10.3	10.5

TABLE C-7. Racial/ethnic distribution of S&E bachelor's degrees awarded to U.S. citizens and permanent residents, by field: 1995–2004

(Percent)

Field and race/ethnicity	1995	1996	1997	1998	2000	2001	2002	2003	2004
Social sciences	9.5	10.0	10.3	10.4	10.5	10.5	10.5	10.1	10.1
Anthropology	2.5	2.9	3.3	3.4	3.9	3.6	3.6	3.5	4.5
Area and ethnic studies	12.3	12.7	12.9	13.1	13.6	12.8	13.8	13.4	13.2
Economics	6.6	6.3	5.8	5.9	5.9	5.9	6.1	6.1	6.2
History of science	0.0	0.0	6.5	0.0	6.6	6.1	4.0	6.0	5.7
Linguistics	3.5	3.5	1.6	3.6	2.2	3.5	3.2	2.0	3.3
Political science and public administration	9.4	9.8	10.2	10.3	10.2	10.0	10.0	9.4	9.4
Sociology	14.2	14.9	15.7	16.0	16.1	16.7	16.7	16.3	15.8
Other	7.9	8.8	9.1	9.3	9.8	9.6	10.0	9.6	9.7
Engineering	4.9	5.1	5.3	5.4	5.6	5.3	5.3	5.2	5.3
Aerospace engineering	3.9	3.4	4.3	3.2	3.5	2.9	2.6	3.5	3.3
Chemical engineering	5.2	5.5	5.8	6.2	6.6	6.6	6.3	6.1	6.3
Civil engineering	3.0	3.5	3.5	3.6	4.4	3.9	3.7	3.2	3.5
Electrical engineering	6.8	7.1	7.3	7.2	6.6	6.5	6.4	6.9	7.3
Industrial engineering	7.6	7.3	7.0	7.5	7.4	7.1	7.2	7.7	7.3
Materials engineering	2.2	3.0	1.9	3.3	2.6	3.0	3.5	2.4	2.6
Mechanical engineering	4.2	4.6	5.0	4.4	4.8	4.1	4.4	3.5	3.7
Other	3.9	4.2	4.3	4.8	4.9	4.6	5.0	5.1	5.0
Non-S&E	7.5	7.9	8.0	8.3	8.6	8.8	8.8	9.0	9.1
Hispanic									
All fields	5.9	6.2	6.5	6.7	7.3	7.4	7.5	7.6	7.7
S&E	5.9	6.2	6.5	6.8	7.3	7.4	7.5	7.6	7.6
Sciences	5.8	6.1	6.4	6.8	7.3	7.4	7.5	7.7	7.7
Agricultural sciences	2.7	3.1	3.3	3.6	3.5	3.5	3.9	3.9	4.1
Biological sciences	5.6	5.8	6.0	6.5	7.0	7.5	7.2	7.7	7.2
Computer sciences	5.8	5.7	5.7	5.8	6.2	5.9	6.0	6.7	6.7
Earth, atmospheric, and ocean sciences	1.9	2.4	2.6	2.8	3.2	4.0	3.5	3.1	3.4
Atmospheric sciences	1.1	1.6	1.9	1.8	1.9	3.3	1.9	1.8	2.3
Earth sciences	2.0	2.4	2.7	2.7	3.2	4.0	3.4	3.2	3.6
Ocean sciences	2.5	3.9	2.5	5.7	6.7	6.8	7.7	4.5	3.8
Mathematics and statistics	3.9	4.4	4.6	5.2	5.3	5.7	5.7	5.5	5.2
Physical sciences	5.0	5.2	5.0	5.4	6.3	6.4	6.4	6.3	6.5
Astronomy	3.8	4.3	3.0	7.0	4.5	7.0	3.8	4.7	8.2
Chemistry	5.7	6.0	5.6	6.1	7.2	7.1	7.3	7.4	7.3
Physics	2.9	3.2	3.7	3.6	3.9	4.6	4.5	4.4	4.7
Other	6.1	3.9	3.0	3.7	5.0	5.5	5.0	2.7	5.4
Psychology	6.3	6.9	7.2	7.5	8.3	8.5	8.8	8.8	8.9
Social sciences	6.5	6.8	7.4	7.6	8.1	8.1	8.4	8.4	8.4
Anthropology	5.4	5.8	6.8	5.8	6.7	6.9	7.0	7.2	7.6
Area and ethnic studies	9.6	10.7	11.3	12.9	12.1	12.0	12.1	12.8	12.4
Economics	4.9	5.2	5.2	5.2	5.5	5.6	5.4	5.4	5.7
History of science	0.0	4.8	3.2	5.3	3.3	5.1	6.9	4.0	5.0
Linguistics	8.3	8.7	4.9	6.7	6.5	6.6	5.0	5.7	7.3
Political science and public administration	7.0	7.3	7.9	8.0	8.4	8.2	8.4	8.4	8.2
Sociology	6.9	7.1	7.8	8.5	9.1	9.1	9.8	9.9	10.0
Other	5.6	6.1	7.0	7.3	8.3	8.4	9.2	9.1	8.8

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(Percent)

Field and race/ethnicity	1995	1996	1997	1998	2000	2001	2002	2003	2004
Engineering	6.2	6.4	7.2	7.3	7.4	7.3	7.3	7.3	7.4
Aerospace engineering	5.6	5.9	8.0	7.0	5.8	6.8	6.0	5.9	5.6
Chemical engineering	5.9	5.4	5.9	6.3	6.6	6.0	6.4	6.2	6.5
Civil engineering	6.4	6.4	7.6	8.4	8.3	8.7	8.9	8.8	9.2
Electrical engineering	7.1	7.2	7.7	7.4	8.1	7.9	8.2	7.6	8.1
Industrial engineering	9.8	9.6	12.8	12.8	11.3	10.6	10.5	10.3	9.7
Materials engineering	2.6	4.3	8.6	4.3	4.1	3.8	3.7	5.4	6.2
Mechanical engineering	5.8	6.2	6.5	6.9	6.9	7.1	6.5	7.1	6.8
Other	4.2	4.9	4.4	4.8	4.8	4.4	4.5	4.9	4.7
Non-S&E	5.9	6.2	6.5	6.7	7.3	7.4	7.5	7.6	7.8
American Indian/Alaskan Native									
All fields	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7
S&E	0.5	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7
Sciences	0.6	0.6	0.6	0.7	0.7	0.8	0.7	0.7	0.8
Agricultural sciences	0.9	0.9	0.9	0.9	1.1	1.2	0.9	1.0	1.2
Biological sciences	0.5	0.5	0.5	0.6	0.6	0.7	0.7	0.6	0.6
Computer sciences	0.5	0.4	0.4	0.4	0.5	0.7	0.5	0.5	0.8
Earth, atmospheric, and ocean sciences	0.6	0.5	0.7	0.6	1.1	0.9	0.7	0.6	0.8
Atmospheric sciences	0.0	0.2	0.2	0.0	0.8	1.1	0.2	0.7	0.2
Earth sciences	0.7	0.5	0.7	0.7	1.1	0.9	0.7	0.6	1.0
Ocean sciences	0.5	1.1	2.0	0.0	2.1	0.6	0.9	1.5	0.0
Mathematics and statistics	0.4	0.4	0.5	0.6	0.6	0.5	0.5	0.5	0.5
Physical sciences	0.5	0.5	0.5	0.6	0.5	0.5	0.6	0.7	0.6
Astronomy	0.0	0.0	0.0	0.0	1.3	0.9	0.8	1.6	0.4
Chemistry	0.6	0.6	0.5	0.6	0.5	0.5	0.6	0.8	0.6
Physics	0.4	0.6	0.3	0.4	0.4	0.6	0.6	0.5	0.5
Other	0.2	0.4	0.5	0.4	0.3	0.8	0.5	0.3	1.1
Psychology	0.6	0.6	0.7	0.7	0.7	0.8	0.7	0.7	0.7
Social sciences	0.6	0.7	0.7	0.7	0.8	0.8	0.7	0.8	0.8
Anthropology	1.2	1.2	1.3	1.2	1.3	1.4	1.2	1.5	1.4
Area and ethnic studies	0.8	1.2	1.2	1.4	1.5	2.0	2.1	2.3	2.4
Economics	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.4	0.5
History of science	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0
Linguistics	1.2	0.6	1.0	1.7	1.6	0.3	0.3	1.1	0.4
Political science and public administration	0.5	0.6	0.7	0.6	0.7	0.7	0.6	0.7	0.8
Sociology	0.8	0.8	0.8	0.8	0.9	0.9	0.7	0.9	0.9
Other	0.7	0.7	0.7	0.8	0.8	0.9	0.7	0.8	0.8
Engineering	0.4	0.4	0.5	0.5	0.6	0.5	0.5	0.5	0.6
Aerospace engineering	0.2	0.3	0.3	0.9	0.6	0.6	1.0	0.5	1.1
Chemical engineering	0.5	0.5	0.5	0.5	0.7	0.5	0.6	0.7	0.6
Civil engineering	0.5	0.5	0.6	0.6	0.9	0.8	0.8	0.7	0.7
Electrical engineering	0.3	0.4	0.3	0.4	0.5	0.3	0.4	0.5	0.5
Industrial engineering	0.1	0.2	0.5	0.4	0.7	0.5	0.6	0.3	0.4
Materials engineering	0.2	0.4	0.6	0.3	0.5	0.5	0.7	0.3	0.7
Mechanical engineering	0.4	0.4	0.3	0.4	0.4	0.4	0.5	0.4	0.5
Other	0.4	0.4	0.6	0.5	0.5	0.4	0.5	0.5	0.5
Non-S&E	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7

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

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, 1995–2004.