

TABLE E-4. Racial/ethnic distribution of S&amp;E master's degrees awarded to U.S. citizens and permanent residents, by field: 1997–2006

Field and race/ethnicity	1997	1998	2000	2001	2002	2003	2004	2005	2006
<i>White</i>									
All fields	77.6	76.9	74.2	72.4	71.1	69.6	68.0	68.0	67.2
S&E	74.5	73.4	70.3	68.2	67.6	66.1	65.4	64.8	64.3
Sciences	75.1	74.1	70.6	68.4	67.7	66.2	65.6	65.1	64.8
Agricultural sciences	85.9	86.6	85.7	84.8	83.4	84.2	82.6	82.0	81.4
Biological sciences	77.5	77.0	75.0	73.5	73.9	73.0	70.7	70.6	70.6
Computer sciences	63.0	61.5	55.7	52.8	53.3	50.4	51.5	53.7	55.0
Earth, atmospheric, and ocean sciences	90.5	90.8	90.1	87.6	88.2	87.5	87.2	86.2	85.0
Atmospheric sciences	89.5	87.5	94.1	85.3	86.7	91.4	88.9	89.8	87.6
Earth sciences	91.0	91.5	89.5	88.8	88.9	87.4	87.1	85.1	84.5
Ocean sciences	86.5	89.4	91.4	77.3	82.8	84.7	86.6	92.5	85.0
Mathematics and statistics	76.9	75.8	75.8	73.9	73.6	74.0	71.5	70.3	68.4
Physical sciences	76.4	75.5	74.8	75.0	73.2	73.5	76.0	73.6	73.3
Astronomy	90.5	89.0	81.3	72.3	76.6	71.3	74.5	80.3	82.9
Chemistry	71.2	71.1	71.0	71.5	69.5	69.8	73.1	68.7	69.0
Physics	80.5	78.9	76.9	77.6	73.9	75.4	78.2	76.0	75.0
Other	89.6	83.7	87.8	87.8	86.7	86.3	87.3	88.6	91.0
Psychology	78.9	77.4	72.8	70.6	68.7	67.8	67.4	65.7	66.1
Social sciences	72.6	72.1	69.0	66.8	66.3	64.9	64.1	62.6	61.2
Anthropology	84.5	82.9	79.4	79.7	76.8	77.4	77.5	75.3	73.9
Area and ethnic studies	71.0	71.5	69.1	61.7	60.6	56.9	61.4	56.0	53.2
Economics	71.9	74.1	69.4	71.7	69.4	61.9	62.1	61.8	60.3
History of science	75.0	100.0	90.9	85.7	69.7	72.2	77.3	87.0	90.6
Linguistics	77.0	76.0	77.6	72.1	76.9	73.1	72.9	71.1	66.2
Political science and public administration	71.1	69.7	66.8	64.0	63.9	63.1	62.3	61.1	59.9
Sociology	71.5	71.8	68.0	67.5	67.0	67.5	65.6	63.6	64.3
Other	76.4	76.7	74.1	72.9	73.0	71.8	67.8	67.3	66.0
Engineering	72.5	71.2	69.3	67.4	67.3	65.7	64.4	63.8	62.7
Aerospace engineering	78.2	79.4	83.8	76.9	78.5	77.6	76.7	76.2	64.4
Chemical engineering	72.3	68.8	69.5	67.1	65.7	65.6	64.6	61.2	65.5
Civil engineering	77.6	78.3	76.7	76.6	74.5	74.3	75.1	72.9	73.9
Electrical engineering	64.2	60.9	58.5	56.7	57.2	55.3	53.3	53.7	51.8
Industrial engineering	72.6	70.2	66.1	64.8	64.4	62.5	60.0	56.3	57.0
Materials engineering	74.2	79.6	77.2	72.1	74.4	74.0	72.9	69.6	70.3
Mechanical engineering	75.6	74.9	73.7	70.1	71.5	72.3	70.0	71.8	69.8
Other	74.0	74.1	72.6	71.1	71.1	67.5	68.2	66.3	64.2
Non-S&E	78.4	77.7	75.0	73.3	71.8	70.4	68.5	68.6	67.8
<i>Asian/Pacific Islander</i>									
All fields	4.8	5.3	5.3	5.4	5.4	5.5	5.6	5.8	5.7
S&E	8.6	9.2	9.9	9.8	9.5	10.0	10.3	10.2	9.7
Sciences	7.0	7.6	8.4	8.3	8.2	8.7	8.6	8.5	7.9
Agricultural sciences	3.2	2.5	2.8	3.0	3.6	2.9	3.1	3.1	2.4
Biological sciences	10.1	10.8	10.7	9.6	9.7	11.0	11.7	11.5	11.0
Computer sciences	20.3	22.7	25.5	23.9	22.5	22.5	21.1	21.2	18.4
Earth, atmospheric, and ocean sciences	2.5	2.5	1.9	2.4	3.1	2.2	3.0	2.2	2.1
Atmospheric sciences	2.8	7.2	3.4	4.3	6.2	3.1	3.7	1.9	2.6
Earth sciences	2.0	1.5	1.8	1.7	2.5	1.7	2.6	2.3	2.0
Ocean sciences	7.3	4.3	1.4	6.8	5.4	5.4	5.0	1.1	2.7
Mathematics and statistics	9.1	8.6	8.2	10.0	10.1	10.1	10.9	11.5	12.8
Physical sciences	10.2	9.3	10.1	8.8	8.7	9.2	7.4	8.9	7.6
Astronomy	2.7	4.9	6.3	7.7	5.2	7.4	5.9	5.7	1.7

TABLE E-4. Racial/ethnic distribution of S&amp;E master's degrees awarded to U.S. citizens and permanent residents, by field: 1997–2006

Field and race/ethnicity	1997	1998	2000	2001	2002	2003	2004	2005	2006
Chemistry	13.1	11.9	13.1	11.0	9.9	12.1	9.2	11.9	9.8
Physics	7.8	6.8	7.0	6.9	8.0	6.7	5.9	6.5	6.5
Other	2.7	4.4	4.5	2.5	6.7	3.7	1.2	4.5	1.8
Psychology	2.8	3.0	3.6	3.6	3.9	3.8	3.9	3.8	4.0
Social sciences	4.8	5.0	5.1	5.2	5.1	5.6	5.6	6.0	5.8
Anthropology	2.5	3.6	4.5	3.9	3.7	4.4	4.3	4.3	3.7
Area and ethnic studies	6.5	6.2	6.0	7.8	7.2	8.0	6.8	7.7	7.1
Economics	10.6	8.8	10.9	9.6	10.0	11.7	10.5	10.4	11.6
History of science	0.0	0.0	0.0	0.0	6.1	11.1	13.6	4.3	3.1
Linguistics	7.8	9.8	11.1	10.9	7.4	9.1	9.3	9.7	9.6
Political science and public administration	4.2	4.8	4.6	4.9	4.6	5.0	5.3	5.7	5.5
Sociology	4.4	4.4	3.6	4.0	4.9	5.4	5.8	5.8	5.0
Other	4.2	3.4	4.4	3.8	3.7	3.5	3.8	4.3	4.0
Engineering	13.5	14.4	15.0	15.6	14.2	15.0	16.4	16.1	16.4
Aerospace engineering	9.5	9.4	7.7	10.3	7.3	9.4	8.8	8.4	7.7
Chemical engineering	11.6	15.8	15.8	16.5	14.5	14.6	19.2	14.3	15.0
Civil engineering	10.5	9.3	9.3	7.9	7.9	9.0	9.1	9.7	9.0
Electrical engineering	21.4	24.3	25.1	25.9	22.8	23.8	26.9	26.4	26.3
Industrial engineering	8.2	9.0	10.3	10.6	9.7	13.2	12.5	15.2	15.0
Materials engineering	13.1	11.2	11.2	13.4	11.1	13.9	12.7	14.2	14.5
Mechanical engineering	11.3	11.5	12.0	16.1	14.2	11.7	13.2	11.5	12.7
Other	12.1	12.7	12.8	12.6	12.6	12.4	12.7	13.2	15.3
Non-S&E	3.9	4.3	4.4	4.5	4.6	4.6	4.6	4.9	4.9
Black									
All fields	7.3	7.5	8.3	8.6	8.7	9.0	9.2	9.5	9.7
S&E	6.7	6.9	7.7	8.5	8.6	9.0	9.0	8.8	8.8
Sciences	7.6	7.7	8.8	9.7	9.6	10.1	10.2	10.0	10.0
Agricultural sciences	2.9	2.9	2.5	2.9	2.5	3.0	2.9	2.4	2.7
Biological sciences	4.2	3.5	4.0	5.6	5.2	5.1	5.9	5.4	5.5
Computer sciences	6.3	6.1	7.3	7.6	7.4	8.7	8.2	7.2	7.7
Earth, atmospheric, and ocean sciences	1.0	1.2	0.6	1.8	1.5	1.4	1.7	1.3	2.2
Atmospheric sciences	1.4	1.3	0.0	3.4	1.8	1.6	2.2	2.4	4.6
Earth sciences	1.0	1.3	0.6	1.5	1.5	1.2	1.5	1.1	1.8
Ocean sciences	0.0	0.0	1.4	2.3	1.1	2.7	2.5	1.1	1.8
Mathematics and statistics	5.9	5.7	4.5	5.5	5.3	4.5	4.6	4.8	5.0
Physical sciences	4.8	4.9	4.9	5.2	5.0	4.5	4.5	3.7	5.3
Astronomy	2.7	0.0	0.0	0.0	2.6	1.1	1.0	1.6	2.6
Chemistry	5.6	5.5	5.0	5.9	5.9	5.9	6.3	4.3	6.7
Physics	4.2	3.9	5.8	5.1	4.5	3.8	2.7	3.4	4.4
Other	3.2	6.7	3.6	3.0	3.0	1.5	3.0	2.8	3.0
Psychology	8.0	8.0	10.2	11.5	12.0	13.0	13.1	13.8	12.2
Social sciences	10.6	11.1	12.4	13.2	13.1	13.3	13.5	13.0	13.3
Anthropology	2.8	2.6	3.8	3.7	3.5	3.4	3.1	2.9	3.0
Area and ethnic studies	7.8	7.8	7.0	6.7	8.5	9.6	9.3	9.3	7.7
Economics	6.6	6.5	5.9	5.6	6.4	5.0	4.7	5.4	5.6
History of science	6.3	0.0	0.0	4.8	6.1	0.0	0.0	0.0	3.1
Linguistics	2.5	2.9	1.1	3.6	1.4	2.0	0.8	2.1	2.9
Political science and public administration	12.0	13.0	14.3	16.0	15.6	15.6	15.3	15.0	15.5
Sociology	15.6	13.6	18.6	16.9	16.1	15.7	16.4	15.2	14.3
Other	9.4	10.3	10.2	10.1	10.9	12.5	14.7	13.5	14.7
Engineering	3.9	4.2	4.1	4.5	4.8	5.1	4.7	4.5	4.6
Aerospace engineering	2.0	1.9	2.1	2.8	3.5	1.8	1.9	2.9	3.0

TABLE E-4. Racial/ethnic distribution of S&amp;E master's degrees awarded to U.S. citizens and permanent residents, by field: 1997–2006

(Percent)									
Field and race/ethnicity	1997	1998	2000	2001	2002	2003	2004	2005	2006
Chemical engineering	4.7	5.5	4.7	4.7	4.7	6.5	4.4	7.6	5.0
Civil engineering	3.0	3.6	3.1	3.7	3.9	3.6	2.7	3.2	2.9
Electrical engineering	3.9	4.4	4.3	4.7	4.7	5.1	4.5	4.4	4.5
Industrial engineering	4.8	5.5	4.8	6.0	7.3	7.6	7.5	7.0	8.1
Materials engineering	3.8	2.9	3.1	2.2	4.9	3.7	5.0	4.2	2.8
Mechanical engineering	4.2	4.0	4.1	4.0	3.2	3.5	3.2	2.9	3.1
Other	4.3	4.0	4.8	4.8	5.3	5.9	6.1	5.4	5.7
Non-S&E	7.4	7.7	8.4	8.7	8.8	9.0	9.3	9.6	9.9
Hispanic									
All fields	4.4	4.6	5.2	5.5	5.5	5.7	6.1	6.4	6.5
S&E	4.5	4.9	5.3	5.7	5.7	5.8	6.1	6.2	6.3
Sciences	4.5	4.9	5.3	5.8	5.8	5.9	6.1	6.3	6.5
Agricultural sciences	3.2	3.6	4.0	3.7	4.9	3.8	4.8	5.2	5.6
Biological sciences	3.8	3.5	4.8	5.5	4.8	4.5	5.1	5.2	5.0
Computer sciences	3.2	3.1	3.6	5.1	3.7	5.5	5.5	4.5	4.8
Earth, atmospheric, and ocean sciences	1.9	1.6	2.6	2.4	2.9	2.2	2.7	3.3	3.7
Atmospheric sciences	2.1	1.3	1.7	0.0	0.9	1.6	1.5	1.5	2.1
Earth sciences	1.9	1.7	2.7	2.5	3.1	2.3	3.0	3.8	4.0
Ocean sciences	2.1	1.1	2.9	3.4	3.2	1.8	1.7	1.1	3.5
Mathematics and statistics	2.4	3.4	4.6	3.5	3.9	4.9	4.5	4.6	5.3
Physical sciences	4.2	4.8	4.0	4.8	5.6	5.7	4.8	5.3	5.9
Astronomy	2.7	0.0	2.5	1.5	2.6	2.1	2.9	1.6	5.1
Chemistry	4.8	5.8	4.3	5.3	5.7	6.9	5.1	6.5	7.7
Physics	3.8	4.0	4.5	4.6	6.8	4.8	4.4	4.6	4.7
Other	2.7	3.7	1.8	3.0	2.2	4.1	6.0	2.8	0.6
Psychology	5.4	6.2	6.3	6.8	7.0	6.9	7.4	7.9	8.1
Social sciences	5.1	5.7	6.0	6.4	6.6	6.6	6.6	6.9	7.0
Anthropology	3.6	4.7	4.3	4.5	6.4	5.0	5.8	6.0	5.6
Area and ethnic studies	6.5	7.2	8.2	8.8	9.5	11.0	8.6	10.4	10.3
Economics	4.9	4.4	5.5	4.5	4.8	5.9	5.4	6.3	5.6
History of science	6.3	0.0	0.0	4.8	0.0	5.6	0.0	0.0	0.0
Linguistics	5.1	6.4	4.7	6.9	5.4	6.5	6.5	6.2	9.3
Political science and public administration	5.5	5.8	6.3	6.7	6.7	6.7	6.8	6.9	6.8
Sociology	4.4	6.0	6.0	6.7	7.9	6.7	7.6	8.2	8.9
Other	3.4	5.0	4.1	5.0	4.9	4.5	5.2	5.7	6.5
Engineering	4.4	4.8	5.4	5.4	5.5	5.4	6.2	6.0	5.7
Aerospace engineering	4.5	4.3	3.8	3.1	4.8	3.1	3.6	5.9	3.3
Chemical engineering	6.8	5.9	5.4	5.5	6.8	5.9	5.7	5.5	6.7
Civil engineering	4.3	4.5	5.9	6.0	7.2	5.7	5.9	6.8	6.0
Electrical engineering	4.4	4.3	5.0	4.3	4.5	5.5	6.4	5.3	5.5
Industrial engineering	5.8	7.5	9.2	9.6	10.4	7.8	10.1	11.0	10.0
Materials engineering	4.7	3.4	3.1	5.4	4.1	1.6	3.8	5.8	3.9
Mechanical engineering	4.3	4.8	4.5	4.2	3.9	5.2	6.0	5.4	5.5
Other	3.3	3.9	4.1	4.6	3.6	4.2	4.6	4.2	4.0
Non-S&E	4.4	4.5	5.2	5.4	5.5	5.7	6.1	6.5	6.5
American Indian/Alaska Native									
All fields	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6
S&E	0.5	0.5	0.5	0.7	0.6	0.6	0.6	0.6	0.6
Sciences	0.6	0.6	0.6	0.7	0.6	0.6	0.7	0.6	0.7
Agricultural sciences	0.6	0.7	0.7	0.5	0.7	0.7	0.6	0.8	1.0
Biological sciences	0.4	0.4	0.5	0.5	0.6	0.5	0.5	0.4	0.6

TABLE E-4. Racial/ethnic distribution of S&amp;E master's degrees awarded to U.S. citizens and permanent residents, by field: 1997–2006

Field and race/ethnicity	1997	1998	2000	2001	2002	2003	2004	2005	2006
Computer sciences	0.4	0.2	0.4	0.8	0.4	0.4	0.5	0.3	0.5
Earth, atmospheric, and ocean sciences	0.4	0.8	0.8	0.9	0.3	0.7	0.5	0.8	0.3
Atmospheric sciences	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0
Earth sciences	0.5	0.8	0.9	0.8	0.4	0.9	0.7	0.9	0.3
Ocean sciences	0.0	2.1	0.0	3.4	0.0	0.0	0.0	0.0	0.0
Mathematics and statistics	0.5	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.4
Physical sciences	0.4	0.5	0.4	0.4	0.6	0.5	0.3	0.4	0.5
Astronomy	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.8	0.0
Chemistry	0.5	0.8	0.4	0.5	0.9	0.4	0.2	0.5	0.6
Physics	0.2	0.2	0.4	0.2	0.5	0.6	0.5	0.3	0.2
Other	0.5	0.0	0.5	0.0	0.0	0.4	0.0	0.6	1.2
Psychology	0.7	0.9	0.5	0.8	0.7	0.8	0.7	0.7	0.7
Social sciences	0.6	0.6	0.7	0.9	0.8	0.8	0.9	0.7	0.8
Anthropology	1.0	1.4	1.6	1.7	1.3	1.1	1.9	1.4	2.0
Area and ethnic studies	1.5	1.1	1.2	1.6	1.6	2.6	2.0	1.9	1.6
Economics	0.5	0.3	0.2	0.6	0.8	0.4	0.4	0.6	0.2
History of science	0.0	0.0	0.0	4.8	3.0	0.0	0.0	0.0	0.0
Linguistics	0.4	0.5	0.3	0.3	1.1	0.3	0.5	1.4	0.4
Political science and public administration	0.5	0.4	0.6	0.6	0.7	0.6	0.9	0.6	0.7
Sociology	1.0	1.2	1.6	1.6	1.0	1.0	0.9	0.5	0.7
Other	0.4	0.6	0.7	0.8	0.5	0.3	0.6	0.4	0.7
Engineering	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.4	0.4
Aerospace engineering	0.5	0.0	0.0	0.6	1.0	0.4	1.0	0.3	1.0
Chemical engineering	0.7	0.1	0.4	0.6	0.3	0.3	0.0	0.5	0.3
Civil engineering	0.3	0.4	0.5	0.4	0.4	0.5	0.6	0.4	0.6
Electrical engineering	0.2	0.2	0.3	0.3	0.3	0.4	0.2	0.4	0.3
Industrial engineering	0.3	0.3	0.4	0.8	0.4	0.4	0.8	0.8	0.4
Materials engineering	0.0	0.0	0.8	0.2	0.5	0.3	0.2	0.2	0.2
Mechanical engineering	0.4	0.5	0.3	0.3	0.3	0.4	0.8	0.2	0.4
Other	0.4	0.3	0.5	0.4	0.3	0.5	0.3	0.4	0.5
Non-S&E	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6
Other or unknown race/ethnicity									
All fields	5.4	5.2	6.4	7.6	8.7	9.6	10.5	9.8	10.3
S&E	5.3	5.2	6.3	7.1	8.0	8.5	8.6	9.5	10.2
Sciences	5.2	5.2	6.4	7.2	8.1	8.4	8.8	9.6	10.2
Agricultural sciences	4.2	3.7	4.3	5.0	4.9	5.3	6.0	6.6	7.0
Biological sciences	4.0	4.8	5.1	5.3	5.8	5.9	6.2	6.8	7.2
Computer sciences	6.8	6.4	7.6	9.8	12.7	12.5	13.2	13.1	13.6
Earth, atmospheric, and ocean sciences	3.7	3.0	4.0	5.0	4.0	6.0	4.9	6.2	6.7
Atmospheric sciences	4.2	2.6	0.8	6.9	4.4	2.3	3.7	3.9	3.1
Earth sciences	3.5	3.1	4.5	4.7	3.6	6.5	5.1	6.8	7.3
Ocean sciences	4.2	3.2	2.9	6.8	7.5	5.4	4.2	4.3	7.1
Mathematics and statistics	5.1	6.1	6.5	6.6	6.7	6.2	8.2	8.5	8.1
Physical sciences	4.0	5.0	5.7	5.8	6.9	6.6	7.1	8.1	7.3
Astronomy	1.4	6.1	10.0	18.5	13.0	17.0	15.7	9.8	7.7
Chemistry	4.8	4.9	6.3	5.8	8.1	4.9	6.1	8.1	6.2
Physics	3.5	6.2	5.5	5.6	6.4	8.7	8.3	9.1	9.1
Other	1.4	1.5	1.8	3.8	1.5	4.1	2.4	0.6	2.4
Psychology	4.1	4.5	6.6	6.7	7.7	7.7	7.5	8.1	8.8
Social sciences	6.3	5.6	6.8	7.6	8.1	8.8	9.3	10.7	11.8
Anthropology	5.6	4.8	6.4	6.6	8.3	8.6	7.3	10.2	11.8

TABLE E-4. Racial/ethnic distribution of S&E master's degrees awarded to U.S. citizens and permanent residents, by field: 1997–2006  
(Percent)

Field and race/ethnicity	1997	1998	2000	2001	2002	2003	2004	2005	2006
Area and ethnic studies	6.7	6.3	8.5	13.4	12.5	11.9	11.9	14.7	20.1
Economics	5.4	5.8	8.0	7.9	8.6	15.0	16.9	15.5	16.7
History of science	12.5	0.0	9.1	0.0	15.2	11.1	9.1	8.7	3.1
Linguistics	7.2	4.5	5.3	6.3	7.7	9.1	10.1	9.5	11.6
Political science and public administration	6.8	6.4	7.4	7.7	8.5	8.8	9.4	10.6	11.6
Sociology	3.1	3.0	2.2	3.3	3.1	3.7	3.7	6.7	6.7
Other	6.2	4.0	6.5	7.4	7.1	7.3	7.8	8.7	8.1
Engineering	5.4	5.1	5.9	6.7	7.8	8.5	7.8	9.1	10.1
Aerospace engineering	5.2	5.1	2.7	6.4	4.8	7.6	7.9	6.3	20.6
Chemical engineering	3.9	3.8	4.2	5.6	8.0	7.0	6.1	10.8	7.5
Civil engineering	4.3	4.0	4.6	5.4	6.1	7.0	6.6	7.0	7.7
Electrical engineering	6.0	5.9	6.8	8.1	10.6	9.9	8.6	9.9	11.6
Industrial engineering	8.3	7.5	9.2	8.2	7.8	8.5	9.0	9.7	9.5
Materials engineering	4.2	2.9	4.6	6.6	4.9	6.6	5.3	6.0	8.3
Mechanical engineering	4.2	4.3	5.4	5.3	6.8	6.9	6.8	8.3	8.5
Other	5.9	4.9	5.3	6.6	7.1	9.5	8.1	10.4	10.3
Non-S&E	5.4	5.2	6.5	7.7	8.8	9.8	10.9	9.9	10.3

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, 1997–2006.