

TABLE 5. Distribution of science and engineering doctorates awarded, by sex, citizenship status, and major field of study of recipients: 2000–10
(Percent distribution)

Characteristic and field	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Science and engineering	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Science	79.5	78.4	79.4	79.1	78.0	77.0	75.9	75.7	76.1	77.2	77.2
Agricultural sciences	4.0	3.8	4.1	4.2	4.0	3.7	3.5	3.6	3.3	3.5	3.0
Biological sciences	22.5	22.3	23.1	22.5	22.6	22.7	22.3	22.7	23.7	24.0	24.3
Computer sciences	3.3	3.3	3.3	3.4	3.6	4.0	4.9	5.2	5.4	4.8	5.0
Earth, atmospheric, and ocean sciences	2.7	2.6	2.8	2.7	2.6	2.6	2.5	2.7	2.6	2.6	2.6
Mathematics	4.0	4.0	3.7	3.9	4.1	4.3	4.4	4.4	4.3	4.6	4.8
Physical sciences	13.0	13.2	13.0	13.0	12.7	13.0	13.2	12.8	12.4	12.8	12.7
Astronomy	0.7	0.7	0.6	0.7	0.6	0.7	0.7	0.7	0.8	0.8	0.8
Chemistry	7.7	7.8	7.8	8.1	7.6	7.6	7.9	7.3	6.8	7.1	7.0
Physics	4.6	4.7	4.6	4.3	4.5	4.8	4.6	4.8	4.8	4.9	4.9
Psychology	13.9	13.3	13.0	13.0	12.7	11.9	10.9	10.3	10.2	10.4	10.3
Social sciences	16.0	16.0	16.3	16.4	15.8	14.8	14.3	13.9	14.0	14.4	14.5
Engineering	20.5	21.6	20.6	20.9	22.0	23.0	24.1	24.3	23.9	22.8	22.8
Aerospace, aeronautical, and astronautical engineering	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.9	0.8
Chemical engineering	2.4	2.5	2.5	2.2	2.4	2.8	2.7	2.6	2.7	2.4	2.5
Civil engineering	1.8	2.0	2.2	2.2	2.1	2.2	2.2	2.2	2.2	2.1	1.9
Electrical, electronics, and communications engineering	5.1	5.3	4.9	4.9	5.3	5.5	6.0	6.2	5.7	5.1	5.4
Industrial and manufacturing engineering	0.7	0.8	0.9	0.8	0.8	0.8	0.8	0.9	0.9	0.8	0.6
Materials science engineering	1.6	1.8	1.5	1.7	1.8	1.8	2.0	2.0	1.9	1.9	2.0
Mechanical engineering	3.1	3.4	3.1	3.0	2.9	3.2	3.5	3.4	3.3	3.3	3.0
Other engineering	5.0	5.1	4.7	5.2	5.9	5.9	6.2	6.3	6.5	6.5	6.6
Male	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Science	73.0	71.8	72.9	72.3	71.0	70.0	68.8	68.6	68.9	69.7	70.4
Agricultural sciences	4.3	3.9	4.4	4.4	3.9	3.8	3.4	3.5	3.2	3.3	2.7
Biological sciences	19.5	19.4	20.4	19.6	19.4	18.7	18.4	19.0	19.4	19.3	19.6
Computer sciences	4.3	4.2	4.2	4.4	4.6	5.2	6.2	6.8	7.0	6.3	6.7
Earth, atmospheric, and ocean sciences	3.0	2.8	3.1	3.0	2.7	2.7	2.7	2.8	2.8	2.7	2.5
Mathematics	4.8	4.5	4.2	4.6	4.7	5.0	5.1	5.0	4.9	5.4	5.7
Physical sciences	15.4	15.6	15.2	15.2	15.0	15.3	15.4	14.9	14.9	15.1	15.0
Astronomy	0.9	0.9	0.7	0.8	0.7	0.8	0.8	0.8	0.9	0.9	0.9
Chemistry	8.2	8.3	8.3	8.8	8.2	8.1	8.4	7.6	7.4	7.5	7.4
Physics	6.3	6.4	6.1	5.6	6.1	6.5	6.2	6.4	6.5	6.7	6.7
Psychology	7.3	7.0	6.9	6.6	6.6	6.1	5.1	4.8	5.0	5.0	5.3
Social sciences	14.3	14.4	14.4	14.5	14.1	13.1	12.6	11.9	11.8	12.5	12.9
Engineering	27.0	28.2	27.1	27.7	29.0	30.0	31.2	31.4	31.1	30.3	29.6
Aerospace, aeronautical, and astronautical engineering	1.2	1.1	1.2	1.1	1.1	1.1	1.2	1.2	1.2	1.3	1.1
Chemical engineering	2.9	3.0	3.0	2.7	3.0	3.4	3.2	3.2	3.2	3.0	2.9
Civil engineering	2.4	2.6	2.9	3.0	2.8	2.9	2.9	2.8	2.9	2.8	2.4
Electrical, electronics, and communications engineering	7.0	7.3	6.9	6.9	7.3	7.7	8.4	8.5	7.9	7.2	7.5
Industrial and manufacturing engineering	0.8	1.0	1.1	1.0	1.1	1.0	0.9	1.0	1.0	0.9	0.8
Materials science engineering	2.0	2.2	1.9	2.2	2.4	2.2	2.3	2.5	2.4	2.3	2.5
Mechanical engineering	4.3	4.9	4.4	4.3	4.1	4.5	4.9	4.8	4.7	4.7	4.4
Other engineering	6.2	6.3	5.8	6.6	7.3	7.3	7.4	7.5	7.8	7.9	8.0
Female	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Science	91.1	90.0	90.3	90.4	89.6	88.8	87.3	86.9	86.9	88.0	87.1
Agricultural sciences	3.4	3.7	3.5	3.9	4.0	3.6	3.6	3.7	3.5	3.7	3.3
Biological sciences	27.9	27.4	27.8	27.4	28.0	29.5	28.5	28.7	30.3	30.8	31.1
Computer sciences	1.5	1.7	1.8	1.9	2.0	2.1	2.7	2.7	3.1	2.6	2.6
Earth, atmospheric, and ocean sciences	2.1	2.1	2.3	2.2	2.4	2.3	2.3	2.7	2.4	2.5	2.7
Mathematics	2.8	3.0	2.9	2.8	3.1	3.1	3.4	3.3	3.3	3.6	3.4
Physical sciences	8.8	8.9	9.2	9.4	8.8	9.2	9.5	9.6	8.7	9.4	9.4
Astronomy	0.4	0.4	0.3	0.4	0.5	0.5	0.5	0.5	0.5	0.6	0.7
Chemistry	6.6	6.8	7.0	6.9	6.4	6.9	7.1	6.8	5.9	6.6	6.4

TABLE 5. Distribution of science and engineering doctorates awarded, by sex, citizenship status, and major field of study of recipients: 2000–10
(Percent distribution)

Characteristic and field	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Physics	1.7	1.7	1.9	2.0	1.9	1.9	2.0	2.3	2.3	2.2	2.4
Psychology	25.6	24.4	23.3	23.5	22.8	21.5	20.2	19.0	18.2	18.2	17.6
Social sciences	19.0	18.8	19.5	19.5	18.5	17.6	17.1	17.2	17.4	17.2	16.9
Engineering	8.9	10.0	9.7	9.6	10.4	11.2	12.7	13.1	13.1	12.0	12.9
Aerospace, aeronautical, and astronautical engineering	0.2	0.3	0.3	0.3	0.2	0.3	0.2	0.3	0.2	0.3	0.3
Chemical engineering	1.4	1.7	1.6	1.5	1.5	1.7	1.9	1.6	1.8	1.6	1.8
Civil engineering	0.8	0.9	1.1	0.9	0.9	1.1	1.0	1.3	1.1	1.1	1.3
Electrical, electronics, and communications engineering	1.7	1.7	1.6	1.5	2.0	1.9	2.2	2.5	2.5	1.9	2.3
Industrial and manufacturing engineering	0.4	0.5	0.7	0.6	0.4	0.4	0.6	0.6	0.6	0.5	0.4
Materials science engineering	0.8	1.1	0.9	1.0	0.9	1.1	1.3	1.3	1.2	1.2	1.3
Mechanical engineering	0.9	0.9	1.0	0.8	0.9	1.1	1.3	1.1	1.2	1.1	0.9
Other engineering	2.7	3.0	2.7	2.9	3.6	3.6	4.2	4.4	4.5	4.3	4.6
U.S. citizen or permanent resident	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Science	85.0	85.0	86.1	86.2	86.1	85.7	85.2	85.3	84.0	83.9	83.5
Agricultural sciences	3.3	3.1	3.2	3.6	3.6	3.5	3.5	3.6	3.2	3.4	2.9
Biological sciences	24.9	26.0	26.5	25.8	26.7	27.4	26.7	27.9	27.7	28.0	27.9
Computer sciences	2.7	2.6	2.7	2.8	2.8	2.9	3.5	3.7	3.8	3.7	3.9
Earth, atmospheric, and ocean sciences	2.8	2.5	2.8	2.9	2.8	2.8	2.8	3.2	2.9	2.8	2.9
Mathematics	3.4	3.2	2.8	3.3	3.2	3.4	3.7	3.5	3.6	3.9	4.2
Physical sciences	12.1	12.4	12.4	12.4	11.8	11.8	11.9	11.6	11.5	11.9	11.7
Astronomy	0.8	0.8	0.7	0.8	0.7	0.8	0.7	0.8	0.9	0.9	1.0
Chemistry	7.2	7.5	7.9	8.0	7.5	7.6	7.6	6.9	6.6	7.1	6.6
Physics	4.0	4.1	3.8	3.5	3.5	3.5	3.6	4.0	4.0	4.0	4.1
Psychology	18.9	18.3	18.1	18.2	17.7	18.0	16.8	16.0	15.6	14.7	14.3
Social sciences	17.0	16.8	17.6	17.2	17.5	15.9	16.3	15.7	15.6	15.4	15.7
Engineering	15.0	15.0	13.9	13.8	13.9	14.3	14.8	14.7	16.0	16.1	16.5
Aerospace, aeronautical, and astronautical engineering	0.7	0.6	0.6	0.5	0.5	0.6	0.5	0.7	0.7	0.8	0.7
Chemical engineering	2.0	2.0	2.0	1.8	1.9	1.9	2.1	1.8	2.1	2.1	2.2
Civil engineering	1.3	1.3	1.3	1.3	1.1	1.2	1.2	1.3	1.1	1.3	1.2
Electrical, electronics, and communications engineering	3.3	3.0	2.9	2.6	2.7	3.0	2.8	2.8	3.0	2.9	3.1
Industrial and manufacturing engineering	0.4	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.5	0.4	0.3
Materials science engineering	1.3	1.3	1.1	1.1	1.2	1.1	1.3	1.4	1.4	1.3	1.6
Mechanical engineering	2.2	2.4	2.1	2.0	1.7	1.9	2.1	1.9	2.0	2.1	2.0
Other engineering	3.8	3.8	3.5	4.0	4.2	4.1	4.4	4.3	5.1	5.1	5.5
Male U.S. citizen or permanent resident	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Science	79.2	79.1	80.5	80.5	80.7	79.7	79.4	79.5	78.1	77.9	77.4
Agricultural sciences	3.6	3.3	3.5	4.1	3.8	3.8	3.9	3.9	3.4	3.4	2.7
Biological sciences	22.8	24.0	24.9	24.1	24.6	25.0	24.3	25.5	25.0	24.2	23.8
Computer sciences	3.7	3.5	3.7	3.9	3.9	4.1	4.9	5.4	5.2	5.5	5.6
Earth, atmospheric, and ocean sciences	3.3	2.9	3.0	3.3	3.0	3.1	3.2	3.3	3.2	3.1	3.0
Mathematics	4.1	3.9	3.5	4.1	4.0	4.4	4.8	4.5	4.5	5.1	5.4
Physical sciences	15.3	16.0	15.8	15.6	15.3	15.0	15.3	14.9	15.1	15.1	14.6
Astronomy	1.0	1.0	1.0	1.1	0.9	1.0	0.9	1.1	1.3	1.1	1.2
Chemistry	8.2	8.7	9.2	9.5	9.0	8.6	8.9	7.9	7.9	8.0	7.5
Physics	6.1	6.2	5.6	5.0	5.3	5.4	5.4	5.9	5.9	6.0	6.0
Psychology	10.5	10.4	10.4	10.1	10.1	10.1	8.5	8.4	8.2	7.7	8.0
Social sciences	15.7	15.2	15.6	15.4	16.1	14.1	14.6	13.6	13.5	13.8	14.3
Engineering	20.8	20.9	19.5	19.5	19.3	20.3	20.6	20.5	21.9	22.1	22.6
Aerospace, aeronautical, and astronautical engineering	1.1	0.9	0.9	0.8	0.8	1.0	0.8	1.1	1.1	1.3	1.1
Chemical engineering	2.5	2.6	2.6	2.4	2.5	2.6	2.8	2.4	2.7	2.8	2.7
Civil engineering	1.7	1.8	1.8	1.8	1.5	1.6	1.6	1.8	1.5	1.8	1.4
Electrical, electronics, and communications engineering	5.0	4.6	4.5	4.1	4.2	4.6	4.5	4.4	4.6	4.6	4.8
Industrial and manufacturing engineering	0.6	0.6	0.6	0.5	0.6	0.7	0.4	0.5	0.5	0.4	0.4
Materials science engineering	1.7	1.6	1.4	1.5	1.8	1.5	1.7	1.9	2.0	1.6	2.1

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(Percent distribution)

Characteristic and field	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Mechanical engineering	3.2	3.8	3.2	3.1	2.6	2.9	3.1	3.0	3.0	3.3	3.1
Other engineering	5.0	4.9	4.7	5.3	5.3	5.6	5.6	5.4	6.5	6.4	7.0
Female U.S. citizen or permanent resident	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Science	93.1	93.1	93.4	93.6	93.1	93.3	92.3	92.3	91.1	91.0	90.6
Agricultural sciences	2.7	2.9	2.7	3.0	3.3	3.1	3.0	3.3	3.0	3.4	3.2
Biological sciences	27.8	28.6	28.6	28.1	29.3	30.4	29.8	30.8	31.0	32.4	32.8
Computer sciences	1.2	1.4	1.5	1.4	1.5	1.4	1.8	1.7	2.1	1.7	1.9
Earth, atmospheric, and ocean sciences	2.0	2.0	2.4	2.2	2.5	2.3	2.4	3.0	2.6	2.5	2.7
Mathematics	2.3	2.2	2.0	2.2	2.2	2.1	2.3	2.3	2.6	2.5	2.7
Physical sciences	7.6	7.6	7.9	8.2	7.3	7.8	7.7	7.7	7.3	8.2	8.1
Astronomy	0.5	0.4	0.3	0.4	0.5	0.5	0.5	0.4	0.6	0.6	0.7
Chemistry	5.9	5.9	6.2	6.1	5.6	6.2	5.9	5.7	5.2	6.0	5.6
Physics	1.2	1.3	1.4	1.7	1.3	1.1	1.3	1.7	1.6	1.6	1.8
Psychology	30.5	29.2	28.1	28.8	27.6	27.9	27.0	25.3	24.3	22.9	21.8
Social sciences	18.9	19.0	20.2	19.6	19.3	18.2	18.4	18.2	18.1	17.2	17.3
Engineering	6.9	6.9	6.6	6.4	6.9	6.7	7.7	7.7	8.9	9.0	9.4
Aerospace, aeronautical, and astronautical engineering	0.2	0.3	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2
Chemical engineering	1.3	1.2	1.1	1.0	1.1	1.1	1.3	1.0	1.5	1.3	1.5
Civil engineering	0.6	0.7	0.7	0.7	0.6	0.7	0.6	0.6	0.7	0.8	0.9
Electrical, electronics, and communications engineering	1.0	0.8	0.9	0.8	0.9	1.0	0.8	1.0	1.1	1.0	1.2
Industrial and manufacturing engineering	0.3	0.4	0.5	0.3	0.3	0.2	0.4	0.4	0.4	0.3	0.3
Materials science engineering	0.7	0.8	0.7	0.6	0.5	0.7	0.8	0.9	0.8	0.9	1.0
Mechanical engineering	0.7	0.5	0.6	0.5	0.6	0.6	0.8	0.6	0.8	0.8	0.7
Other engineering	2.1	2.3	1.9	2.3	2.8	2.3	2.8	3.1	3.5	3.7	3.7
Temporary visa holder	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Science	68.0	64.9	65.6	65.2	63.9	63.9	62.9	62.8	64.4	65.5	65.9
Agricultural sciences	5.8	5.1	5.7	5.1	4.6	4.0	3.5	3.5	3.4	3.6	3.0
Biological sciences	18.1	15.6	16.8	16.7	16.1	16.1	16.0	16.5	18.2	17.9	18.4
Computer sciences	4.7	4.5	4.5	4.5	5.0	5.7	6.9	7.3	8.0	6.4	6.8
Earth, atmospheric, and ocean sciences	2.4	2.8	2.9	2.4	2.4	2.2	2.1	2.3	2.3	2.4	2.2
Mathematics	5.8	5.5	5.7	5.2	5.8	5.8	5.7	5.6	5.2	5.8	6.0
Physical sciences	15.0	15.2	14.4	14.5	14.7	14.9	14.9	14.4	13.7	14.2	14.6
Astronomy	0.5	0.7	0.4	0.4	0.5	0.6	0.6	0.6	0.5	0.7	0.6
Chemistry	8.5	8.4	7.7	8.2	7.9	7.7	8.3	7.7	7.0	7.3	7.5
Physics	6.0	6.0	6.2	5.9	6.3	6.6	6.1	6.0	6.2	6.2	6.5
Psychology	2.1	1.9	2.1	2.3	2.1	2.0	2.2	1.9	2.0	2.1	2.4
Social sciences	14.1	14.4	13.6	14.5	13.2	13.1	11.6	11.4	11.7	13.0	12.4
Engineering	32.0	35.1	34.4	34.8	36.1	36.1	37.1	37.2	35.6	34.5	34.1
Aerospace, aeronautical, and astronautical engineering	1.0	1.1	1.4	1.3	1.3	1.1	1.0	1.0	1.0	1.0	0.9
Chemical engineering	3.3	3.4	3.5	3.3	3.3	3.9	3.5	3.7	3.5	3.1	3.2
Civil engineering	3.3	3.3	4.0	4.0	3.8	3.9	3.6	3.5	3.7	3.4	3.3
Electrical, electronics, and communications engineering	8.6	9.8	9.0	9.3	9.5	9.4	10.5	10.5	9.6	8.6	9.2
Industrial and manufacturing engineering	1.2	1.4	1.7	1.6	1.5	1.2	1.2	1.4	1.4	1.4	1.2
Materials science engineering	2.1	2.8	2.3	2.9	2.8	2.8	2.9	2.9	2.7	2.9	2.9
Mechanical engineering	5.2	5.7	5.4	4.8	5.0	5.2	5.6	5.4	5.2	5.3	4.6
Other engineering	7.3	7.5	7.2	7.6	8.9	8.5	8.7	8.8	8.5	8.7	8.8
Male temporary visa holder	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Science	63.0	60.2	60.6	59.8	58.0	58.7	56.9	57.3	58.3	58.7	60.2
Agricultural sciences	5.6	4.6	5.5	4.6	4.0	3.8	2.9	3.1	2.9	3.2	2.7
Biological sciences	14.4	12.4	13.6	13.1	12.3	11.6	11.6	12.5	13.0	13.2	13.7
Computer sciences	5.4	5.2	5.0	5.1	5.6	6.5	7.8	8.3	9.2	7.4	7.9
Earth, atmospheric, and ocean sciences	2.3	2.9	3.2	2.4	2.4	2.2	2.0	2.3	2.4	2.3	1.9
Mathematics	6.2	5.4	5.5	5.4	5.7	5.9	5.6	5.7	5.3	5.8	6.3

TABLE 5. Distribution of science and engineering doctorates awarded, by sex, citizenship status, and major field of study of recipients: 2000–10
(Percent distribution)

Characteristic and field	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Physical sciences	15.5	15.6	14.3	15.1	15.1	15.7	15.6	14.8	14.8	15.0	15.7
Astronomy	0.6	0.7	0.5	0.4	0.5	0.7	0.6	0.6	0.6	0.7	0.6
Chemistry	8.2	7.9	6.9	7.9	7.3	7.3	7.8	7.2	6.8	6.8	7.3
Physics	6.7	6.9	7.0	6.8	7.4	7.7	7.3	7.0	7.3	7.5	7.8
Psychology	1.2	1.1	1.1	1.2	1.1	1.1	1.1	0.8	1.0	1.0	1.0
Social sciences	12.3	12.9	12.3	12.9	11.7	12.0	10.3	9.9	9.8	10.9	10.9
Engineering	37.0	39.8	39.4	40.2	42.0	41.3	43.1	42.7	41.7	41.3	39.8
Aerospace, aeronautical, and astronautical engineering	1.2	1.3	1.7	1.6	1.6	1.3	1.3	1.2	1.3	1.3	1.1
Chemical engineering	3.7	3.5	3.6	3.3	3.6	4.2	3.6	4.0	3.9	3.4	3.3
Civil engineering	3.8	3.9	4.6	4.8	4.6	4.5	4.4	3.8	4.4	4.1	3.9
Electrical, electronics, and communications engineering	10.1	11.4	10.8	11.2	11.3	11.3	12.8	12.6	11.6	10.7	11.1
Industrial and manufacturing engineering	1.4	1.6	1.9	1.7	1.7	1.5	1.4	1.5	1.6	1.6	1.4
Materials science engineering	2.4	3.0	2.6	3.1	3.1	3.0	3.1	3.2	3.0	3.3	3.3
Mechanical engineering	6.4	6.9	6.5	6.0	6.2	6.2	7.1	6.8	6.6	6.8	6.0
Other engineering	8.1	8.3	7.8	8.5	10.0	9.3	9.4	9.6	9.4	10.0	9.7
Female temporary visa holder	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Science	83.8	79.3	80.3	80.0	80.0	77.6	77.0	75.8	78.2	80.3	77.9
Agricultural sciences	6.3	6.5	6.0	6.4	6.2	4.6	4.8	4.4	4.6	4.4	3.7
Biological sciences	29.7	25.4	26.3	26.4	26.2	28.1	26.3	25.8	29.9	28.1	28.3
Computer sciences	2.6	2.4	3.2	3.0	3.3	3.7	4.8	4.9	5.2	4.5	4.3
Earth, atmospheric, and ocean sciences	2.5	2.4	2.2	2.4	2.4	2.4	2.2	2.3	2.2	2.6	2.8
Mathematics	4.5	5.5	6.1	4.7	5.9	5.6	6.1	5.5	4.9	6.0	5.4
Physical sciences	13.4	13.7	14.4	12.8	13.5	12.8	13.4	13.4	11.4	12.4	12.3
Astronomy	0.3	0.4	0.2	0.4	0.5	0.5	0.5	0.7	0.3	0.6	0.6
Chemistry	9.3	10.0	10.2	9.0	9.6	8.7	9.4	9.0	7.2	8.3	7.9
Physics	3.8	3.3	4.0	3.3	3.4	3.7	3.5	3.8	3.8	3.5	3.8
Psychology	5.1	4.3	4.9	5.4	4.8	4.5	4.7	4.5	4.2	4.5	5.3
Social sciences	19.7	19.0	17.3	18.9	17.6	16.0	14.6	14.9	15.9	17.7	15.7
Engineering	16.2	20.7	19.7	20.0	20.0	22.4	23.0	24.2	21.8	19.7	22.1
Aerospace, aeronautical, and astronautical engineering	0.2	0.4	0.5	0.7	0.5	0.6	0.3	0.3	0.3	0.4	0.4
Chemical engineering	1.9	3.4	3.2	3.1	2.6	3.2	3.0	3.0	2.5	2.6	2.8
Civil engineering	1.7	1.7	2.1	1.8	1.6	2.2	1.7	2.8	2.2	2.0	2.2
Electrical, electronics, and communications engineering	3.7	4.9	3.7	4.1	4.8	4.3	5.3	5.5	5.2	4.0	5.1
Industrial and manufacturing engineering	0.8	0.8	1.4	1.4	0.9	0.6	1.0	1.1	1.0	1.0	0.9
Materials science engineering	1.2	2.2	1.5	2.4	1.9	2.2	2.4	2.4	2.1	1.8	2.1
Mechanical engineering	1.8	2.3	2.1	1.7	1.7	2.5	2.2	2.2	1.9	2.0	1.6
Other engineering	4.9	5.0	5.3	4.9	6.0	6.7	7.2	6.9	6.6	6.1	7.0
Citizenship unknown	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Science	74.6	78.0	80.5	83.6	79.4	75.1	72.7	71.9	75.2	82.6	78.6
Agricultural sciences	3.0	5.6	6.0	6.1	4.4	4.3	3.1	3.6	3.2	4.0	3.3
Biological sciences	16.7	16.3	20.3	20.6	19.7	19.0	20.4	17.2	21.2	20.2	21.1
Computer sciences	3.0	3.6	2.7	3.6	3.0	4.2	4.7	5.4	5.1	5.7	6.1
Earth, atmospheric, and ocean sciences	3.2	2.4	2.5	2.7	1.8	2.4	2.8	1.8	2.1	1.5	2.2
Mathematics	2.7	3.8	2.7	3.2	2.8	3.9	2.8	4.2	4.5	4.4	3.6
Physical sciences	13.4	10.2	11.5	10.6	9.7	12.4	13.4	13.3	12.6	12.9	11.9
Astronomy	0.3	0.7	0.3	0.3	0.2	0.1	0.6	0.4	0.6	0.5	0.5
Chemistry	8.4	6.2	7.2	7.5	5.9	7.3	9.3	8.2	8.2	7.3	7.2
Physics	4.6	3.2	4.0	2.9	3.5	5.0	3.5	4.7	3.9	5.1	4.2
Psychology	18.8	20.8	17.8	18.8	25.5	14.3	12.7	12.1	13.0	19.9	15.4
Social sciences	13.7	15.2	17.0	18.0	12.6	14.6	12.9	14.3	13.6	14.0	15.0
Engineering	25.4	22.0	19.5	16.4	20.6	24.9	27.3	28.1	24.8	17.4	21.4
Aerospace, aeronautical, and astronautical engineering	1.1	1.2	0.7	0.7	0.6	0.4	2.0	1.4	1.0	0.7	0.6
Chemical engineering	2.1	2.6	2.4	1.1	2.8	4.0	2.8	2.5	2.3	0.9	1.7
Civil engineering	0.9	1.3	2.2	1.3	1.4	1.9	3.0	2.1	2.3	1.9	1.9

TABLE 5. Distribution of science and engineering doctorates awarded, by sex, citizenship status, and major field of study of recipients: 2000–10
(Percent distribution)

Characteristic and field	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Electrical, electronics, and communications engineering	8.9	6.7	4.6	3.8	6.3	5.5	6.1	8.2	6.7	4.4	6.2
Industrial and manufacturing engineering	0.4	0.6	1.1	0.4	0.4	1.2	1.5	1.6	0.9	0.5	0.6
Materials science engineering	1.9	1.7	1.6	1.2	1.4	1.7	2.2	1.6	1.9	1.4	1.7
Mechanical engineering	2.7	2.4	2.5	2.7	1.9	3.1	3.0	3.0	3.6	1.8	3.4
Other engineering	7.3	5.4	4.3	5.1	5.8	7.1	6.7	7.6	6.2	5.8	5.2
Male citizenship unknown	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Science	68.6	70.9	77.0	76.5	72.8	68.6	66.4	64.7	69.5	76.3	71.0
Agricultural sciences	3.9	6.1	6.9	5.7	4.9	4.3	2.8	3.1	2.6	4.0	3.2
Biological sciences	15.1	15.7	20.1	20.3	20.2	15.7	18.2	15.0	20.0	18.2	18.5
Computer sciences	3.9	4.3	3.2	4.3	3.1	5.2	5.6	6.9	6.1	7.3	8.7
Earth, atmospheric, and ocean sciences	4.1	2.2	3.3	3.5	2.6	2.7	3.1	1.8	2.0	1.7	2.3
Mathematics	2.9	4.7	3.1	4.2	3.8	4.6	3.2	5.1	5.1	5.3	4.4
Physical sciences	15.6	11.6	14.4	11.3	12.0	15.0	14.8	15.2	14.2	16.0	12.9
Astronomy	0.6	0.8	0.2	0.4	0.4	0.0	0.9	0.4	0.8	0.6	0.6
Chemistry	9.0	6.8	8.5	7.1	7.5	8.5	9.4	8.5	8.5	8.6	6.5
Physics	6.1	4.0	5.7	3.8	4.1	6.5	4.5	6.2	4.9	6.9	5.7
Psychology	11.3	10.9	10.2	10.4	13.9	8.1	6.4	5.5	7.6	10.2	7.9
Social sciences	11.9	15.4	15.8	16.8	12.4	13.1	12.3	12.1	11.9	13.7	13.2
Engineering	31.4	29.1	23.0	23.5	27.2	31.4	33.6	35.3	30.5	23.7	29.0
Aerospace, aeronautical, and astronautical engineering	1.1	1.5	0.9	1.2	0.8	0.6	2.7	2.0	1.2	0.8	1.0
Chemical engineering	2.8	2.8	2.6	1.6	3.1	4.7	3.2	3.2	2.7	1.4	2.2
Civil engineering	1.1	1.9	2.6	2.0	1.9	2.6	3.5	2.3	3.4	2.7	2.3
Electrical, electronics, and communications engineering	11.2	9.8	5.8	5.7	8.4	7.5	8.3	10.9	8.2	6.3	8.4
Industrial and manufacturing engineering	0.3	0.6	0.7	0.6	0.4	0.9	1.8	1.8	0.9	0.6	0.8
Materials science engineering	2.5	2.6	2.1	1.7	2.0	2.4	2.1	1.9	2.4	1.9	2.2
Mechanical engineering	3.7	3.2	3.4	3.9	2.9	4.8	3.9	4.3	4.8	2.7	5.3
Other engineering	8.7	6.6	4.9	6.8	7.8	8.0	8.1	8.7	6.8	7.2	6.9
Female citizenship unknown	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Science	88.7	89.9	87.0	94.9	89.3	87.9	84.2	85.4	85.4	91.1	89.8
Agricultural sciences	1.3	3.7	4.1	6.7	3.6	4.1	3.9	4.3	4.1	3.7	3.4
Biological sciences	20.5	17.0	21.9	21.1	19.1	24.9	24.3	21.5	23.1	22.9	24.8
Computer sciences	1.3	2.3	1.4	2.3	2.8	2.4	3.0	2.7	3.3	3.6	2.3
Earth, atmospheric, and ocean sciences	1.0	2.8	1.2	1.4	0.6	2.0	2.2	1.7	2.3	1.2	2.1
Mathematics	2.8	2.8	2.1	1.6	1.3	2.6	2.2	2.6	3.4	3.1	2.5
Physical sciences	9.7	7.8	7.0	9.5	6.0	8.4	10.3	9.9	10.0	8.1	10.5
Astronomy	0.0	0.7	0.4	0.0	0.0	0.4	0.0	0.3	0.2	0.5	0.3
Chemistry	7.4	5.0	5.4	8.1	3.4	5.8	8.7	7.8	7.7	5.3	8.3
Physics	2.3	2.1	1.2	1.4	2.6	2.2	1.6	1.9	2.1	2.3	1.9
Psychology	34.6	38.5	31.3	32.3	43.0	26.0	24.3	24.6	22.5	33.9	26.5
Social sciences	17.4	15.1	17.9	20.0	12.9	17.5	13.8	18.1	16.7	14.6	17.7
Engineering	11.3	10.1	13.0	5.1	10.7	12.1	15.8	14.6	14.6	8.9	10.2
Aerospace, aeronautical, and astronautical engineering	0.8	0.5	0.6	0.0	0.4	0.0	0.6	0.3	0.7	0.5	0.1
Chemical engineering	0.8	2.1	2.3	0.2	2.3	2.8	2.2	1.2	1.5	0.3	1.1
Civil engineering	0.5	0.2	1.4	0.2	0.8	0.6	2.2	1.7	0.3	0.8	1.3
Electrical, electronics, and communications engineering	3.6	2.1	1.9	0.9	3.2	2.0	2.0	3.1	3.9	2.0	2.9
Industrial and manufacturing engineering	0.5	0.5	1.9	0.2	0.4	1.3	1.0	1.2	0.8	0.5	0.1

TABLE 5. Distribution of science and engineering doctorates awarded, by sex, citizenship status, and major field of study of recipients: 2000–10
(Percent distribution)

Characteristic and field	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Materials science engineering	0.8	0.5	1.0	0.5	0.6	0.4	2.2	1.1	1.0	0.6	0.9
Mechanical engineering	1.0	0.9	0.8	0.7	0.4	0.4	1.4	0.7	1.5	0.5	0.8
Other engineering	3.3	3.4	3.1	2.3	2.8	4.6	4.1	5.4	4.9	3.7	2.8

NOTES: Persons whose sex is unknown are included in totals but are not shown separately. Categories are grouped according to National Science Foundation taxonomy, which is different from the classification listed in questionnaire and summary reports. That is, the following categories are included in social sciences and not in humanities: American/U.S. studies; history, science and technology, and society; and archaeology. In addition, public administration is included in social sciences and not in professional fields, agricultural economics is included in social sciences and not in biological sciences, and agricultural business and management is included in business management/administration and not in agricultural sciences.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, Survey of Earned Doctorates.