

**Table 24. U.S. citizen and permanent resident doctorate recipients, by major field of study, ethnicity, and race: 2015  
(Percent distribution)**

Field of study	All U.S. citizen and permanent resident doctorate recipients (number)	Total	U.S. citizen or permanent resident							
			Hispanic or Latino	Not Hispanic or Latino						Ethnicity not reported
				American Indian or Alaska Native	Asian	Black or African American	White	More than one race	Other race or race not reported	
All fields	35,117	100.0	7.0	0.4	8.7	6.5	72.3	2.6	0.7	1.8
Life sciences	8,484	100.0	7.4	0.3	10.9	5.3	71.3	2.8	0.6	1.4
Agricultural sciences and natural resources	774	100.0	6.7	0.1	6.3	3.7	78.2	2.3	0.9	1.7
Biological and biomedical sciences	6,043	100.0	8.0	0.2	12.1	3.7	71.1	3.1	0.6	1.2
Health sciences	1,667	100.0	5.9	0.5	8.5	11.9	68.6	1.9	0.6	2.0
Physical sciences and earth sciences	3,481	100.0	5.2	0.3	7.8	2.9	79.1	2.6	0.5	1.7
Chemistry	1,574	100.0	5.5	0.3	9.2	4.6	75.1	2.9	0.4	1.9
Geosciences, atmospheric, and ocean sciences	704	100.0	6.1	0.3	3.4	1.8	83.7	2.3	0.3	2.1
Physics and astronomy	1,203	100.0	4.2	0.2	8.6	1.2	81.7	2.2	0.6	1.2
Mathematics and computer sciences	1,661	100.0	4.5	0.1	12.3	3.2	73.1	2.1	1.1	3.6
Computer and information sciences	773	100.0	4.5	0.1	14.0	3.6	70.4	2.3	1.2	3.9
Mathematics and statistics	888	100.0	4.5	0.0	10.8	2.8	75.6	1.9	1.1	3.3
Psychology and social sciences	6,698	100.0	7.4	0.5	6.6	8.0	71.9	2.9	0.9	1.8
Psychology	3,107	100.0	7.9	0.4	6.1	7.8	72.7	2.6	0.6	1.9
Anthropology	397	100.0	9.6	1.0	6.3	4.3	72.5	3.3	2.0	1.0
Economics	552	100.0	6.2	0.4	13.2	2.7	71.7	2.7	0.7	2.4
Political science and government	621	100.0	5.8	0.2	4.7	7.4	75.2	2.6	1.1	3.1
Sociology	598	100.0	8.4	0.2	5.5	8.9	71.2	4.2	0.7	1.0
Other social sciences	1,423	100.0	6.6	0.8	6.3	11.5	69.0	3.1	1.2	1.4
Engineering	4,223	100.0	7.0	0.2	15.4	3.9	67.9	2.6	0.7	2.4
Aerospace, aeronautical, and aeronautical engineering	216	100.0	5.6	0.0	5.6	4.2	78.2	3.7	0.5	2.3
Bioengineering and biomedical engineering	725	100.0	7.0	0.4	22.1	2.8	61.9	3.6	0.7	1.5
Chemical engineering	488	100.0	5.5	0.4	15.0	1.8	71.9	1.6	1.0	2.7
Civil engineering	230	100.0	7.0	0.0	10.0	7.8	72.2	1.3	0.4	1.3
Electrical, electronics, and communications engineering	632	100.0	6.8	0.0	21.7	4.4	60.6	2.8	0.6	3.0

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Industrial and manufacturing engineering	65	100.0	9.2	0.0	12.3	7.7	61.5	4.6	4.6	0.0
Materials science engineering	382	100.0	8.4	0.0	15.2	3.1	68.1	2.6	0.5	2.1
Mechanical engineering	620	100.0	5.3	0.0	11.8	2.9	74.0	1.8	0.3	3.9
Other engineering	865	100.0	8.6	0.2	12.1	5.3	68.4	2.4	0.9	2.0
Education	4,209	100.0	7.5	0.7	4.6	15.1	67.9	2.1	0.5	1.6
Education administration	798	100.0	5.5	0.9	2.5	24.8	61.8	2.0	0.5	2.0
Education research	2,282	100.0	8.3	0.7	5.1	13.5	69.0	2.2	0.5	0.7
Teacher education	132	100.0	4.5	0.0	6.1	15.2	73.5	0.0	0.0	0.8
Teaching fields	765	100.0	6.4	0.5	5.8	9.3	73.6	2.5	0.9	1.0
Other education	232	100.0	11.6	0.4	3.0	16.4	55.6	1.7	0.0	11.2
Humanities and arts	4,480	100.0	8.1	0.6	4.4	3.1	78.9	2.5	0.8	1.6
Foreign languages and literature	463	100.0	26.6	0.2	3.2	1.9	64.6	2.4	0.6	0.4
History	942	100.0	7.7	0.2	3.9	4.6	78.8	2.3	0.6	1.8
Letters	1,360	100.0	5.2	0.7	4.4	2.1	82.9	2.4	0.6	1.7
Other humanities and arts	1,715	100.0	5.7	0.8	5.0	3.4	79.7	2.6	1.1	1.8
Other <sup>a</sup>	1,881	100.0	4.9	0.4	10.3	10.6	69.8	2.1	0.5	1.3
Business management and administration	893	100.0	4.6	0.2	14.6	9.5	68.1	1.5	0.4	1.1
Communication	480	100.0	4.6	0.2	5.6	7.5	78.1	1.9	0.4	1.7
Non-S&E fields not elsewhere classified	508	100.0	5.7	0.8	7.3	15.6	65.0	3.5	0.8	1.4
Unknown field	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

S&E = science and engineering.

<sup>a</sup> Non-science and engineering fields.

NOTES: See table A-6 in the technical notes for a listing of major fields and their constituent subfields. Due to rounding, percentages may not sum to 100.

SOURCE: National Science Foundation, National Center for Science and Engineering Statistics, Survey of Earned Doctorates, 2015.