

TABLE 24

U.S. citizen and permanent resident doctorate recipients, by major field of study, ethnicity, and race: 2017

(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					Other race or race not reported	Ethnicity not reported
				American Indian or Alaska Native	Asian	Black or African American	White	More than one race		
All fields	35,791	100.0	7.1	0.3	9.8	6.7	69.5	2.8	1.3	2.4
Life sciences	8,857	100.0	6.8	0.3	11.4	6.5	68.4	3.2	1.2	2.1
Agricultural sciences and natural resources	902	100.0	5.4	0.2	6.9	4.5	74.7	2.1	1.4	4.7
Biological and biomedical sciences	6,082	100.0	7.3	0.2	12.7	4.9	68.9	3.4	1.1	1.6
Health sciences	1,873	100.0	6.2	0.5	9.7	12.8	63.8	3.2	1.5	2.3
Physical sciences and earth sciences	3,717	100.0	5.8	0.2	9.6	2.5	76.0	3.0	1.4	1.5
Chemistry	1,691	100.0	5.7	0.2	10.6	3.3	73.7	3.4	1.4	1.7
Geosciences, atmospheric sciences, and ocean sciences	787	100.0	6.9	0.3	5.8	1.8	79.8	2.7	1.5	1.3
Physics and astronomy	1,239	100.0	5.3	0.0	10.6	2.0	76.7	2.7	1.2	1.5
Mathematics and computer sciences	1,746	100.0	4.5	0.1	15.8	2.8	67.6	2.9	2.3	4.0
Computer and information sciences	796	100.0	5.4	0.0	17.5	4.0	64.7	2.6	2.1	3.6
Mathematics and statistics	950	100.0	3.8	0.1	14.4	1.8	70.1	3.1	2.4	4.3
Psychology and social sciences	6,874	100.0	8.4	0.4	7.7	7.7	69.3	3.0	1.0	2.5
Psychology	3,403	100.0	8.6	0.3	6.5	6.7	72.1	3.1	0.6	2.2
Anthropology	357	100.0	9.2	0.3	5.6	4.8	73.7	3.1	1.7	1.7
Economics	539	100.0	5.9	0.2	16.1	3.3	63.5	3.3	1.3	6.3
Political science and government	578	100.0	4.8	0.2	5.7	7.3	75.3	2.6	2.1	2.1
Sociology	567	100.0	11.6	0.2	6.2	10.4	65.1	3.7	0.9	1.9
Other social sciences	1,430	100.0	9.0	0.8	9.6	11.6	63.0	2.4	1.3	2.2
Engineering	4,339	100.0	6.6	0.2	16.9	3.9	64.9	2.6	1.5	3.3
Aerospace, aeronautical, and astronautical engineering	240	100.0	6.7	0.0	10.4	3.3	72.9	3.8	0.4	2.5
Bioengineering and biomedical engineering	700	100.0	6.1	0.0	23.9	3.3	61.0	2.4	1.3	2.0
Chemical engineering	471	100.0	5.3	0.0	18.9	2.1	67.3	3.0	0.4	3.0
Civil engineering	243	100.0	9.5	0.4	12.3	6.6	66.3	0.8	0.8	3.3
Electrical, electronics, and communications engineering	586	100.0	6.7	0.0	24.2	3.2	55.1	2.7	2.0	6.0
Industrial and manufacturing engineering	86	100.0	4.7	1.2	18.6	16.3	52.3	1.2	1.2	4.7

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Materials science engineering	483	100.0	7.0	0.0	13.5	3.1	66.7	5.0	1.9	2.9
Mechanical engineering	592	100.0	7.1	0.2	13.3	2.7	69.1	1.5	2.4	3.7
Other engineering	938	100.0	6.4	0.7	12.7	5.1	68.1	2.3	1.7	2.9
Education	4,047	100.0	8.2	0.5	5.5	14.7	65.7	2.1	0.9	2.4
Education administration	871	100.0	8.4	0.8	4.2	21.4	59.2	2.2	0.8	3.0
Education research	2,018	100.0	8.2	0.3	6.1	13.4	66.7	1.9	0.9	2.3
Teacher education	96	100.0	4.2	1.0	4.2	13.5	72.9	3.1	0.0	1.0
Teaching fields	745	100.0	8.1	0.4	5.6	10.1	71.8	1.6	0.9	1.5
Other education	317	100.0	8.8	1.3	5.4	16.1	59.6	3.2	1.3	4.4
Humanities and arts	4,290	100.0	7.2	0.4	4.2	3.4	78.2	2.7	1.8	2.1
Foreign languages and literature	433	100.0	19.9	0.5	4.4	1.2	67.2	3.0	1.4	2.5
History	895	100.0	7.5	0.4	2.9	4.9	79.0	2.0	2.1	1.1
Letters	1,274	100.0	6.1	0.5	4.2	3.5	79.4	2.1	2.3	2.0
Other humanities and arts	1,688	100.0	4.6	0.2	4.9	3.2	79.7	3.4	1.4	2.6
Other ^a	1,921	100.0	7.0	0.2	9.7	12.8	63.7	2.7	1.3	2.7
Business management and administration	830	100.0	7.1	0.0	13.6	11.3	60.7	2.5	1.8	2.9
Communication	463	100.0	5.6	0.2	6.3	9.9	71.3	3.0	0.9	2.8
Non-S&E fields nec	628	100.0	8.0	0.3	7.0	16.9	62.1	2.5	1.0	2.2

nec = not elsewhere classified; S&E = science and engineering.

^a Includes other non-S&E fields not shown separately.**Note(s)**

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(s)

National Science Foundation, National Center for Science and Engineering Statistics, Survey of Earned Doctorates, 2017.