

TABLE 24

U.S. citizen and permanent resident doctorate recipients, by major field of study, ethnicity, and race: 2018

(Number and 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	35,404	100.0	7.3	0.3	9.3	6.9	70.5	3.1	1.0	1.5	
Life sciences	9,041	100.0	7.3	0.2	11.0	6.5	69.4	3.2	1.2	1.2	
Agricultural sciences and natural resources	793	100.0	6.3	0.1	5.5	5.7	76.7	3.0	0.9	1.8	
Biological and biomedical sciences	6,406	100.0	7.8	0.2	12.1	4.8	69.6	3.3	1.2	1.0	
Health sciences	1,842	100.0	6.2	0.5	9.5	12.8	65.6	2.8	1.1	1.6	
Physical sciences and earth sciences	3,771	100.0	5.9	0.2	9.4	2.7	77.1	2.7	0.7	1.3	
Chemistry	1,711	100.0	6.2	0.2	10.3	4.5	74.1	2.5	0.7	1.5	
Geosciences, atmospheric sciences, and ocean sciences	760	100.0	6.4	0.4	5.5	1.4	81.2	3.6	0.5	0.9	
Physics and astronomy	1,300	100.0	5.1	0.2	10.6	1.2	78.5	2.5	0.8	1.2	
Mathematics and computer sciences	1,739	100.0	5.4	0.2	13.3	3.7	70.9	3.3	1.3	1.9	
Computer and information sciences	743	100.0	5.8	0.3	15.1	5.2	66.8	2.8	1.3	2.7	
Mathematics and statistics	996	100.0	5.1	0.2	11.9	2.5	74.0	3.7	1.2	1.3	
Psychology and social sciences	6,704	100.0	8.8	0.5	7.1	7.8	69.4	3.8	1.1	1.5	
Psychology	3,321	100.0	9.9	0.4	6.0	7.3	70.5	3.4	0.9	1.6	
Anthropology	335	100.0	7.2	0.6	6.3	6.0	72.8	4.2	1.8	1.2	
Economics	484	100.0	5.4	0.2	13.8	4.3	69.4	3.3	1.2	2.3	
Political science and government	543	100.0	6.4	0.4	7.2	5.2	74.4	3.3	1.8	1.3	
Sociology	556	100.0	9.5	0.5	7.2	10.3	64.7	5.6	0.2	2.0	
Other social sciences	1,465	100.0	8.7	1.0	7.2	10.5	66.0	4.1	1.6	0.9	
Engineering	4,218	100.0	6.6	0.2	16.1	4.0	67.1	3.1	1.4	1.6	
Aerospace, aeronautical, and astronautical engineering	221	100.0	7.7	0.0	8.6	4.1	72.9	2.7	1.4	2.7	
Bioengineering and biomedical engineering	744	100.0	6.5	0.1	21.1	4.3	62.0	3.5	1.2	1.3	
Chemical engineering	469	100.0	7.5	0.4	16.6	1.5	67.8	3.8	1.1	1.3	
Civil engineering	200	100.0	9.0	0.5	14.0	6.0	65.5	1.5	2.0	1.5	
Electrical, electronics, and communications engineering	544	100.0	4.2	0.0	23.0	3.9	62.9	2.9	1.3	1.8	

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Industrial and manufacturing engineering	62	100.0	9.7	0.0	8.1	1.6	77.4	1.6	1.6	0.0
Materials science engineering	463	100.0	7.3	0.0	15.3	6.3	65.0	3.5	0.4	2.2
Mechanical engineering	608	100.0	5.8	0.3	12.5	2.8	72.2	3.1	1.6	1.6
Other engineering	907	100.0	7.1	0.2	13.1	4.3	69.2	2.6	2.0	1.4
Education	4,033	100.0	7.5	0.6	5.1	14.5	67.3	2.9	0.7	1.5
Education administration	784	100.0	7.7	0.6	2.6	25.5	59.2	1.5	0.4	2.6
Education research	2,060	100.0	7.3	0.5	5.5	12.6	68.3	3.4	0.9	1.4
Teacher education	88	100.0	10.2	1.1	5.7	23.9	55.7	2.3	0.0	1.1
Teaching fields	788	100.0	6.2	0.1	6.5	7.9	75.4	2.5	0.8	0.6
Other education	313	100.0	10.9	1.6	4.8	13.1	63.9	3.8	0.3	1.6
Humanities and arts	4,150	100.0	8.4	0.3	4.9	4.9	76.3	2.7	0.7	1.8
Foreign languages and literature	406	100.0	26.1	0.0	4.2	2.2	63.3	2.0	1.2	1.0
History	800	100.0	8.4	0.3	3.4	6.0	77.9	2.3	0.8	1.1
Letters	1,235	100.0	6.0	0.2	5.1	3.5	79.2	3.4	0.6	1.9
Other humanities and arts	1,709	100.0	5.9	0.4	5.6	6.1	76.6	2.6	0.6	2.2
Other ^a	1,748	100.0	4.6	0.2	9.3	12.7	67.0	2.7	1.5	1.9
Business management and administration	744	100.0	4.2	0.1	13.7	14.7	61.3	2.2	1.7	2.2
Communication	435	100.0	2.8	0.2	7.4	6.9	76.6	2.8	1.6	1.8
Non-S&E fields nec	569	100.0	6.7	0.4	4.9	14.6	67.3	3.3	1.2	1.6
Unknown field	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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