

**Table 24****U.S. citizen and permanent resident doctorate recipients, by major field of study, ethnicity, and race: 2020**

(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	34,492	100.0	8.3	0.3	9.3	7.1	69.4	3.3	1.0	1.3	
Life sciences	8,707	100.0	8.2	0.3	11.0	6.4	68.8	3.6	0.8	1.0	
Agricultural sciences and natural resources	796	100.0	7.5	0.6	5.5	5.2	75.6	3.0	0.8	1.8	
Biological and biomedical sciences	6,008	100.0	8.7	0.1	12.5	4.4	69.0	3.9	0.7	0.7	
Health sciences	1,903	100.0	6.8	0.4	8.8	13.2	65.3	2.6	1.2	1.6	
Physical sciences and earth sciences	3,741	100.0	6.6	0.1	8.4	2.1	77.3	3.7	0.9	0.9	
Chemistry	1,696	100.0	7.0	0.1	9.3	2.7	74.6	4.2	1.0	1.2	
Geosciences, atmospheric sciences, and ocean sciences	811	100.0	7.3	0.1	5.5	1.6	79.7	4.4	0.7	0.6	
Physics and astronomy	1,234	100.0	5.5	0.2	9.0	1.7	79.5	2.6	0.7	0.8	
Mathematics and computer sciences	1,736	100.0	5.8	0.1	15.2	3.2	68.9	4.4	1.3	1.1	
Computer and information sciences	808	100.0	5.4	0.1	18.1	3.2	66.2	4.1	1.6	1.2	
Mathematics and statistics	928	100.0	6.0	0.0	12.7	3.2	71.2	4.7	1.1	1.0	
Psychology and social sciences	6,605	100.0	9.9	0.3	6.7	8.1	68.9	3.6	1.0	1.4	
Psychology	3,317	100.0	10.7	0.1	5.8	7.9	69.3	3.7	0.9	1.6	
Anthropology	366	100.0	10.4	0.5	7.7	3.0	71.3	5.5	0.3	1.4	
Economics	459	100.0	7.0	0.2	13.1	4.8	69.3	4.1	0.4	1.1	
Political science and government	460	100.0	6.7	0.2	7.4	4.3	75.7	2.4	2.0	1.3	
Sociology	488	100.0	10.2	0.6	6.8	10.2	67.2	2.9	1.0	1.0	
Other social sciences	1,515	100.0	10.0	0.8	6.3	11.3	65.8	3.3	1.4	1.2	
Engineering	4,154	100.0	6.9	0.1	16.0	4.3	67.5	3.1	1.1	1.0	
Aerospace, aeronautical, and astronautical engineering	221	100.0	7.7	0.0	11.3	3.2	73.8	2.3	0.5	1.4	
Bioengineering and biomedical engineering	689	100.0	7.4	0.1	21.0	4.2	62.1	4.4	0.4	0.3	
Chemical engineering	465	100.0	7.5	0.0	18.9	3.2	66.2	2.6	1.3	0.2	
Civil engineering	245	100.0	6.9	0.8	11.4	5.7	69.4	1.6	2.0	2.0	
Electrical, electronics, and communications engineering	552	100.0	8.3	0.2	20.1	3.8	63.2	2.2	1.4	0.7	
Industrial and manufacturing engineering	82	100.0	11.0	0.0	14.6	13.4	52.4	1.2	2.4	4.9	
Materials science engineering	398	100.0	7.0	0.0	17.3	3.3	67.1	3.5	1.0	0.8	
Mechanical engineering	601	100.0	5.3	0.2	13.1	2.2	72.7	4.2	1.0	1.3	

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Other engineering	901	100.0	5.8	0.0	12.0	6.0	70.9	2.8	1.2	1.3	
Education	3,896	100.0	9.5	0.4	5.2	16.1	63.5	2.5	1.1	1.6	
Education administration	818	100.0	9.0	0.5	2.9	24.2	58.2	2.2	1.0	2.0	
Education research	1,872	100.0	9.8	0.5	6.1	14.5	64.3	2.7	0.7	1.3	
Teacher education	94	100.0	4.3	0.0	5.3	19.1	63.8	1.1	0.0	6.4	
Teaching fields	751	100.0	7.9	0.3	4.8	12.4	69.5	2.1	1.6	1.5	
Other education	361	100.0	14.1	0.3	6.6	13.0	58.7	3.6	2.2	1.4	
Humanities and arts	3,915	100.0	9.0	0.4	5.3	4.4	75.2	2.7	1.3	1.7	
Foreign languages and literature	349	100.0	24.1	0.6	4.6	1.7	64.2	1.7	2.3	0.9	
History	746	100.0	7.8	0.3	4.8	3.8	78.4	2.8	0.8	1.3	
Letters	1,165	100.0	6.2	0.4	4.4	3.9	78.5	3.3	0.9	2.3	
Other humanities and arts	1,655	100.0	8.3	0.4	6.3	5.7	73.7	2.5	1.6	1.5	
Other <sup>a</sup>	1,738	100.0	7.4	0.6	9.3	14.4	63.1	2.2	1.0	2.0	
Business management and administration	709	100.0	6.5	0.3	15.0	14.4	58.3	2.7	0.8	2.1	
Communication	412	100.0	7.3	0.2	5.6	7.8	73.8	2.2	1.5	1.7	
Non-S&E fields nec	617	100.0	8.4	1.3	5.3	18.8	61.6	1.6	1.0	1.9	

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

<sup>a</sup> 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.