

TABLE 2-2a

Citizenship, ethnicity, and race of graduate students, postdoctoral appointees, and doctorate-holding nonfaculty researchers in science, by sex: 2020

(Number and percent)

Citizenship, ethnicity, race, and field	Graduate students						Postdoctoral appointees		Doctorate-holding nonfaculty researchers	
	All graduate students		Master's		Doctoral		Total number	Percent female	Total number	Percent female
	Total number	Percent female	Total number	Percent female	Total number	Percent female				
All surveyed fields	697,813	48.4	414,478	51.2	283,335	44.3	65,681	41.8	29,661	41.8
U.S. citizens and permanent residents ^a	487,051	53.0	314,305	54.9	172,746	49.5	29,890	47.9	na	na
Hispanic or Latino	62,679	56.6	43,750	58.7	18,929	51.9	2,027	52.2	na	na
Not Hispanic or Latino										
American Indian or Alaska Native	2,042	60.1	1,284	60.1	758	60.0	72	65.3	na	na
Asian	53,094	48.5	35,075	48.5	18,019	48.7	5,696	45.2	na	na
Black or African American	41,916	62.4	30,842	63.0	11,074	60.5	1,081	61.4	na	na
Native Hawaiian or Other Pacific Islander	778	57.7	578	56.9	200	60.0	52	57.7	na	na
White	284,055	51.5	175,090	53.7	108,965	48.1	17,123	47.5	na	na
More than one race	17,579	54.9	11,069	56.4	6,510	52.4	555	53.5	na	na
Unknown ethnicity and race	24,908	51.6	16,617	54.4	8,291	46.0	3,284	45.9	na	na
Temporary visa holders	210,762	37.9	100,173	39.8	110,589	36.2	35,791	36.7	na	na
Science	464,646	51.1	267,904	53.1	196,742	48.5	38,741	41.2	18,212	41.6
U.S. citizens and permanent residents ^a	334,959	54.4	204,677	55.9	130,282	52.0	18,276	46.4	na	na
Hispanic or Latino	43,705	58.6	28,849	60.6	14,856	54.6	1,264	52.8	na	na
Not Hispanic or Latino										
American Indian or Alaska Native	1,468	59.5	851	58.3	617	61.3	47	61.7	na	na
Asian	34,812	50.2	22,270	49.1	12,542	52.1	3,181	43.5	na	na
Black or African American	29,051	62.8	21,126	63.0	7,925	62.1	578	58.7	na	na
Native Hawaiian or Other Pacific Islander	553	60.2	403	59.1	150	63.3	26	50.0	na	na
White	195,406	52.9	112,534	54.6	82,872	50.6	10,924	46.0	na	na
More than one race	12,244	56.9	7,293	58.1	4,951	55.1	350	53.7	na	na
Unknown ethnicity and race	17,720	52.3	11,351	54.8	6,369	47.9	1,906	43.5	na	na
Temporary visa holders	129,687	42.8	63,227	44.1	66,460	41.5	20,465	36.6	na	na
Agricultural and veterinary sciences	10,800	59.2	6,487	62.3	4,313	54.6	1,678	48.7	964	48.9
U.S. citizens and permanent residents ^a	7,844	61.2	5,453	63.2	2,391	56.5	851	57.2	na	na
Hispanic or Latino	823	62.3	626	64.5	197	55.3	73	54.8	na	na
Not Hispanic or Latino										
American Indian or Alaska Native	27	44.4	20	45.0	7	42.9	5	60.0	na	na
Asian	335	63.6	207	68.1	128	56.3	150	44.7	na	na
Black or African American	378	62.4	279	64.2	99	57.6	14	28.6	na	na
Native Hawaiian or Other Pacific Islander	15	66.7	14	64.3	1	100.0	0	-	na	na
White	5,743	61.0	3,949	62.9	1,794	56.7	498	60.8	na	na

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(Number and percent)

Citizenship, ethnicity, race, and field	Graduate students						Postdoctoral appointees		Doctorate-holding nonfaculty researchers	
	All graduate students		Master's		Doctoral		Total number	Percent female	Total number	Percent female
	Total number	Percent female	Total number	Percent female	Total number	Percent female				
American Indian or Alaska Native	31	58.1	17	52.9	14	64.3	1	100.0	na	na
Asian	387	58.7	141	63.8	246	55.7	95	44.2	na	na
Black or African American	267	51.7	148	52.7	119	50.4	21	42.9	na	na
Native Hawaiian or Other Pacific Islander	8	62.5	7	57.1	1	100.0	1	100.0	na	na
White	7,036	49.8	3,703	49.6	3,333	50.1	619	44.9	na	na
More than one race	366	59.6	170	52.9	196	65.3	32	56.3	na	na
Unknown ethnicity and race	391	47.6	179	46.9	212	48.1	97	39.2	na	na
Temporary visa holders	2,363	40.2	416	43.0	1,947	39.5	871	34.1	na	na
Mathematics and statistics	31,971	36.2	18,284	41.1	13,687	29.6	1,076	21.0	201	31.3
U.S. citizens and permanent residents ^a	17,150	32.8	10,357	36.2	6,793	27.5	513	25.1	na	na
Hispanic or Latino	1,864	31.3	1,239	33.6	625	26.9	24	20.8	na	na
Not Hispanic or Latino										
American Indian or Alaska Native	36	30.6	23	30.4	13	30.8	0	-	na	na
Asian	2,575	38.7	1,742	42.1	833	31.5	79	34.2	na	na
Black or African American	777	38.2	573	41.0	204	30.4	11	54.5	na	na
Native Hawaiian or Other Pacific Islander	12	33.3	9	11.1	3	100.0	1	0.0	na	na
White	10,392	31.5	5,904	34.9	4,488	26.9	329	22.5	na	na
More than one race	546	31.7	295	33.9	251	29.1	12	41.7	na	na
Unknown ethnicity and race	948	29.9	572	34.1	376	23.4	57	21.1	na	na
Temporary visa holders	14,821	40.2	7,927	47.6	6,894	31.6	563	17.2	na	na
Multidisciplinary and interdisciplinary studies	14,533	52.4	10,980	52.4	3,553	52.6	832	45.8	679	39.5
U.S. citizens and permanent residents ^a	10,506	54.0	8,012	53.6	2,494	55.0	467	51.4	na	na
Hispanic or Latino	1,333	55.1	1,084	54.9	249	55.8	28	42.9	na	na
Not Hispanic or Latino										
American Indian or Alaska Native	29	58.6	20	55.0	9	66.7	4	25.0	na	na
Asian	1,281	53.3	1,038	52.8	243	55.6	51	51.0	na	na
Black or African American	955	60.5	746	59.9	209	62.7	24	79.2	na	na
Native Hawaiian or Other Pacific Islander	17	70.6	11	72.7	6	66.7	1	0.0	na	na
White	6,008	52.4	4,432	51.8	1,576	54.1	298	50.3	na	na
More than one race	370	55.7	293	56.7	77	51.9	13	69.2	na	na
Unknown ethnicity and race	513	57.1	388	59.0	125	51.2	48	47.9	na	na
Temporary visa holders	4,027	48.4	2,968	48.9	1,059	47.0	365	38.6	na	na

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	All graduate students		Master's		Doctoral		Total number	Percent female	Total number	Percent female
	Total number	Percent female	Total number	Percent female	Total number	Percent female				
Natural resources and conservation	12,498	58.7	8,793	60.0	3,705	55.6	845	43.0	573	39.3
U.S. citizens and permanent residents ^a	10,901	59.9	8,106	60.5	2,795	58.3	545	44.6	na	na
Hispanic or Latino	1,156	63.4	858	63.5	298	63.1	12	41.7	na	na
Not Hispanic or Latino										
American Indian or Alaska Native	123	61.0	88	54.5	35	77.1	1	100.0	na	na
Asian	368	65.5	269	66.5	99	62.6	36	27.8	na	na
Black or African American	404	64.6	248	63.3	156	66.7	29	55.2	na	na
Native Hawaiian or Other Pacific Islander	33	75.8	30	76.7	3	66.7	2	50.0	na	na
White	8,017	58.9	6,040	59.6	1,977	56.8	383	45.2	na	na
More than one race	387	65.1	306	66.0	81	61.7	8	50.0	na	na
Unknown ethnicity and race	413	54.2	267	56.2	146	50.7	74	44.6	na	na
Temporary visa holders	1,597	50.4	687	54.6	910	47.3	300	40.0	na	na
Physical sciences	42,616	35.2	6,275	39.5	36,341	34.5	6,937	24.7	2,890	22.7
U.S. citizens and permanent residents ^a	26,747	36.1	4,920	40.7	21,827	35.1	2,705	27.3	na	na
Hispanic or Latino	3,029	36.6	757	39.9	2,272	35.6	137	35.8	na	na
Not Hispanic or Latino										
American Indian or Alaska Native	79	36.7	24	45.8	55	32.7	5	20.0	na	na
Asian	2,496	41.7	455	43.7	2,041	41.3	542	28.8	na	na
Black or African American	1,096	49.9	338	54.7	758	47.8	49	34.7	na	na
Native Hawaiian or Other Pacific Islander	17	41.2	3	33.3	14	42.9	2	0.0	na	na
White	17,935	34.6	2,978	39.0	14,957	33.8	1,586	26.7	na	na
More than one race	946	35.7	177	40.7	769	34.6	54	29.6	na	na
Unknown ethnicity and race	1,149	32.4	188	36.2	961	31.6	330	23.0	na	na
Temporary visa holders	15,869	33.7	1,355	35.5	14,514	33.6	4,232	23.1	na	na
Psychology	68,394	79.0	47,279	81.1	21,115	74.3	1,312	63.9	749	66.5
U.S. citizens and permanent residents ^a	64,586	79.2	45,710	81.1	18,876	74.5	986	66.1	na	na
Hispanic or Latino	11,776	80.1	8,978	82.2	2,798	73.6	82	69.5	na	na
Not Hispanic or Latino										
American Indian or Alaska Native	302	78.5	205	80.0	97	75.3	0	-	na	na
Asian	3,445	78.8	2,180	80.6	1,265	75.7	82	73.2	na	na
Black or African American	7,044	81.9	5,425	82.8	1,619	78.6	37	81.1	na	na
Native Hawaiian or Other Pacific Islander	124	77.4	103	76.7	21	81.0	1	100.0	na	na
White	35,344	78.7	23,932	81.0	11,412	73.9	657	64.4	na	na

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	All graduate students		Master's		Doctoral		Total number	Percent female	Total number	Percent female
	Total number	Percent female	Total number	Percent female	Total number	Percent female				
More than one race	2,558	78.2	1,688	79.4	870	75.7	24	83.3	na	na
Unknown ethnicity and race	3,993	77.3	3,199	78.0	794	74.3	103	59.2	na	na
Temporary visa holders	3,808	75.8	1,569	80.5	2,239	72.6	326	57.4	na	na
Social sciences	78,353	53.9	43,919	55.5	34,434	51.9	1,546	53.0	1,436	54.3
U.S. citizens and permanent residents ^a	59,283	55.2	37,103	55.5	22,180	54.6	1,049	55.3	na	na
Hispanic or Latino	8,350	59.1	5,806	59.5	2,544	57.9	72	63.9	na	na
Not Hispanic or Latino										
American Indian or Alaska Native	417	59.7	230	56.5	187	63.6	6	83.3	na	na
Asian	3,706	60.0	2,077	60.7	1,629	59.1	101	61.4	na	na
Black or African American	6,442	63.8	4,364	65.2	2,078	60.8	79	64.6	na	na
Native Hawaiian or Other Pacific Islander	120	55.0	80	56.3	40	52.5	0	-	na	na
White	34,646	52.3	21,174	52.3	13,472	52.4	636	51.7	na	na
More than one race	2,200	60.6	1,384	60.9	816	60.0	33	60.6	na	na
Unknown ethnicity and race	3,402	48.9	1,988	47.9	1,414	50.4	122	54.9	na	na
Temporary visa holders	19,070	50.1	6,816	55.4	12,254	47.2	497	48.3	na	na

- = not calculable. na = not applicable; citizenship and race and ethnicity data are not collected for doctorate-holding nonfaculty researchers.

^a Ethnicity and race data are available only for U.S. citizens and permanent residents.

Note(s):

"Field" refers to the field of the unit that reports postdoctorates and doctorate-holding nonfaculty researchers to the Survey of Graduate Students and Postdoctorates in Science and Engineering (GSS). Percentages may not add to total because of rounding. For more information on the mapping of GSS fields and codes, see technical table A-17.

Source(s):

National Center for Science and Engineering Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering, 2020.