

TABLE 2-2a

**Citizenship, ethnicity, and race of graduate students, postdoctoral appointees, and doctorate-holding nonfaculty researchers in science, by sex: 2021**

(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	760,156	49.1	466,613	51.4	293,543	45.4	63,328	42.3	30,548	42.3
U.S. citizens and permanent residents <sup>a</sup>	515,597	54.2	337,655	56.0	177,942	50.6	29,755	48.0	na	na
Hispanic or Latino	69,174	57.4	48,681	59.5	20,493	52.4	2,142	51.7	na	na
Not Hispanic or Latino										
American Indian or Alaska Native	2,105	59.2	1,356	60.0	749	57.8	80	55.0	na	na
Asian	60,203	49.7	40,607	49.9	19,596	49.1	6,014	43.9	na	na
Black or African American	45,302	63.3	33,129	64.1	12,173	61.1	1,138	62.0	na	na
Native Hawaiian or Other Pacific Islander	792	55.3	597	54.3	195	58.5	40	57.5	na	na
White	294,198	52.9	184,608	55.0	109,590	49.3	16,369	48.0	na	na
More than one race	19,471	56.1	12,301	57.3	7,170	54.0	687	52.0	na	na
Unknown ethnicity and race	24,352	52.6	16,376	54.9	7,976	47.8	3,285	47.0	na	na
Temporary visa holders	244,559	38.3	128,958	39.2	115,601	37.2	33,573	37.3	na	na
Science	509,784	51.6	305,796	53.0	203,988	49.4	37,189	41.9	18,728	41.5
U.S. citizens and permanent residents <sup>a</sup>	353,449	55.6	219,843	57.1	133,606	53.1	17,860	46.8	na	na
Hispanic or Latino	48,343	59.7	32,387	61.9	15,956	55.1	1,298	51.5	na	na
Not Hispanic or Latino										
American Indian or Alaska Native	1,443	58.1	845	57.6	598	58.9	47	48.9	na	na
Asian	39,413	51.0	25,795	50.1	13,618	52.7	3,102	43.1	na	na
Black or African American	31,021	63.3	22,257	63.6	8,764	62.4	564	59.9	na	na
Native Hawaiian or Other Pacific Islander	561	55.6	410	54.4	151	58.9	22	54.5	na	na
White	201,768	54.3	118,785	56.1	82,983	51.7	10,294	46.7	na	na
More than one race	13,468	58.3	8,022	59.2	5,446	57.0	442	51.4	na	na
Unknown ethnicity and race	17,432	52.9	11,342	54.8	6,090	49.4	2,091	44.8	na	na
Temporary visa holders	156,335	42.6	85,953	42.8	70,382	42.3	19,329	37.5	na	na
Agricultural and veterinary sciences	11,244	60.2	6,801	63.1	4,443	55.7	1,595	46.3	902	48.2
U.S. citizens and permanent residents <sup>a</sup>	8,009	62.9	5,605	64.5	2,404	59.2	783	52.7	na	na
Hispanic or Latino	926	63.6	700	64.7	226	60.2	78	46.2	na	na
Not Hispanic or Latino										
American Indian or Alaska Native	34	47.1	22	50.0	12	41.7	2	100.0	na	na
Asian	389	64.8	262	67.9	127	58.3	116	43.1	na	na
Black or African American	407	65.4	306	66.7	101	61.4	27	40.7	na	na
Native Hawaiian or Other Pacific Islander	13	46.2	12	50.0	1	0.0	1	100.0	na	na
White	5,772	62.5	3,978	64.0	1,794	59.2	450	57.1	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	32	68.8	18	66.7	14	71.4	4	50.0	na	na
Asian	418	59.3	168	58.9	250	59.6	122	32.8	na	na
Black or African American	303	57.4	159	56.6	144	58.3	17	41.2	na	na
Native Hawaiian or Other Pacific Islander	8	87.5	6	83.3	2	100.0	1	100.0	na	na
White	7,118	52.4	3,748	52.2	3,370	52.6	604	46.9	na	na
More than one race	403	60.3	186	56.5	217	63.6	45	48.9	na	na
Unknown ethnicity and race	384	47.1	161	48.4	223	46.2	106	49.1	na	na
Temporary visa holders	2,556	40.3	503	42.3	2,053	39.7	837	36.6	na	na
Mathematics and statistics	34,258	36.8	20,639	41.3	13,619	30.0	1,112	25.1	235	32.3
U.S. citizens and permanent residents <sup>a</sup>	17,325	33.5	10,551	36.9	6,774	28.0	561	28.0	na	na
Hispanic or Latino	1,979	32.9	1,310	36.5	669	26.0	23	17.4	na	na
Not Hispanic or Latino										
American Indian or Alaska Native	35	34.3	22	31.8	13	38.5	2	50.0	na	na
Asian	2,842	39.9	1,951	44.0	891	30.9	95	28.4	na	na
Black or African American	742	38.1	535	39.6	207	34.3	12	33.3	na	na
Native Hawaiian or Other Pacific Islander	14	42.9	9	33.3	5	60.0	1	0.0	na	na
White	10,296	31.9	5,913	35.2	4,383	27.4	338	26.3	na	na
More than one race	558	30.1	309	30.7	249	29.3	20	50.0	na	na
Unknown ethnicity and race	859	30.2	502	31.9	357	27.7	70	31.4	na	na
Temporary visa holders	16,933	40.2	10,088	45.8	6,845	31.9	551	22.1	na	na
Multidisciplinary and interdisciplinary studies	15,768	54.6	11,994	54.8	3,774	54.1	878	47.3	816	37.5
U.S. citizens and permanent residents <sup>a</sup>	11,344	56.2	8,731	56.0	2,613	56.7	543	52.5	na	na
Hispanic or Latino	1,519	58.7	1,228	58.4	291	59.8	35	48.6	na	na
Not Hispanic or Latino										
American Indian or Alaska Native	30	50.0	20	55.0	10	40.0	3	33.3	na	na
Asian	1,489	57.6	1,237	57.6	252	57.9	87	47.1	na	na
Black or African American	981	60.2	754	58.8	227	65.2	24	75.0	na	na
Native Hawaiian or Other Pacific Islander	18	55.6	11	45.5	7	71.4	2	50.0	na	na
White	6,382	54.2	4,766	54.0	1,616	54.8	320	52.8	na	na
More than one race	441	57.6	344	56.7	97	60.8	25	56.0	na	na
Unknown ethnicity and race	484	60.5	371	62.8	113	53.1	47	51.1	na	na
Temporary visa holders	4,424	50.7	3,263	51.5	1,161	48.4	335	38.8	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				
Natural resources and conservation	13,922	60.7	10,012	62.4	3,910	56.2	889	46.5	620	36.1
U.S. citizens and permanent residents <sup>a</sup>	11,988	61.9	9,095	62.9	2,893	58.8	571	51.0	na	na
Hispanic or Latino	1,304	66.6	1,028	67.0	276	65.2	27	40.7	na	na
Not Hispanic or Latino										
American Indian or Alaska Native	129	58.1	81	53.1	48	66.7	1	0.0	na	na
Asian	472	66.1	344	68.6	128	59.4	43	39.5	na	na
Black or African American	519	60.9	335	60.3	184	62.0	16	50.0	na	na
Native Hawaiian or Other Pacific Islander	33	69.7	31	71.0	2	50.0	2	50.0	na	na
White	8,619	61.0	6,611	62.2	2,008	57.2	385	53.0	na	na
More than one race	479	65.6	386	65.3	93	66.7	16	37.5	na	na
Unknown ethnicity and race	433	58.0	279	59.1	154	55.8	81	54.3	na	na
Temporary visa holders	1,934	52.9	917	57.4	1,017	48.9	318	38.4	na	na
Physical sciences	44,141	36.4	6,409	40.5	37,732	35.7	6,823	25.5	2,895	23.0
U.S. citizens and permanent residents <sup>a</sup>	27,433	37.6	4,938	41.3	22,495	36.8	2,778	27.6	na	na
Hispanic or Latino	3,287	37.9	782	40.5	2,505	37.1	136	33.8	na	na
Not Hispanic or Latino										
American Indian or Alaska Native	72	31.9	24	50.0	48	22.9	3	0.0	na	na
Asian	2,720	43.3	463	47.7	2,257	42.4	547	28.2	na	na
Black or African American	1,145	49.8	334	53.0	811	48.5	43	27.9	na	na
Native Hawaiian or Other Pacific Islander	20	35.0	7	14.3	13	46.2	3	33.3	na	na
White	18,104	36.2	2,964	39.9	15,140	35.5	1,571	26.4	na	na
More than one race	1,036	39.0	177	41.2	859	38.5	66	24.2	na	na
Unknown ethnicity and race	1,049	33.0	187	30.5	862	33.5	409	30.3	na	na
Temporary visa holders	16,708	34.5	1,471	37.7	15,237	34.1	4,045	24.0	na	na
Psychology	73,325	80.3	51,878	82.3	21,447	75.3	1,325	65.8	803	66.1
U.S. citizens and permanent residents <sup>a</sup>	69,097	80.5	50,040	82.4	19,057	75.6	1,017	67.5	na	na
Hispanic or Latino	13,155	81.0	10,248	82.9	2,907	74.3	88	80.7	na	na
Not Hispanic or Latino										
American Indian or Alaska Native	295	76.6	195	75.4	100	79.0	2	100.0	na	na
Asian	3,827	79.3	2,483	81.0	1,344	76.1	94	72.3	na	na
Black or African American	7,639	82.3	5,808	83.5	1,831	78.4	50	78.0	na	na
Native Hawaiian or Other Pacific Islander	108	76.9	91	75.8	17	82.4	1	100.0	na	na
White	37,135	80.4	26,061	82.5	11,074	75.3	658	64.9	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	2,829	80.3	1,886	82.1	943	76.8	21	81.0	na	na
Unknown ethnicity and race	4,109	78.3	3,268	79.1	841	75.3	103	59.2	na	na
Temporary visa holders	4,228	76.5	1,838	81.6	2,390	72.6	308	60.4	na	na
Social sciences	82,223	54.6	47,616	56.3	34,607	52.2	1,645	53.1	1,505	54.0
U.S. citizens and permanent residents <sup>a</sup>	61,463	55.9	39,426	56.5	22,037	54.9	1,092	54.8	na	na
Hispanic or Latino	8,994	59.7	6,377	60.2	2,617	58.5	82	52.4	na	na
Not Hispanic or Latino										
American Indian or Alaska Native	421	63.2	238	61.8	183	65.0	5	60.0	na	na
Asian	4,169	61.6	2,460	63.1	1,709	59.6	117	59.0	na	na
Black or African American	6,776	63.1	4,569	64.2	2,207	60.9	79	68.4	na	na
Native Hawaiian or Other Pacific Islander	120	54.2	81	54.3	39	53.8	1	100.0	na	na
White	35,475	53.1	22,346	53.4	13,129	52.7	629	52.8	na	na
More than one race	2,310	61.2	1,471	61.9	839	60.0	47	61.7	na	na
Unknown ethnicity and race	3,198	48.4	1,884	48.1	1,314	48.9	132	50.8	na	na
Temporary visa holders	20,760	50.6	8,190	55.3	12,570	47.6	553	49.9	na	na

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

<sup>a</sup> 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, 2021.