

TABLE 2-2a

Citizenship, ethnicity, and race of graduate students, postdoctoral appointees, and doctorate-holding nonfaculty researchers in science, by sex: 2023

(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	818,095	48.4	510,866	49.4	307,229	46.7	65,850	43.1	34,342	43.2
U.S. citizens and permanent residents ^a	495,808	54.8	313,609	56.1	182,199	52.5	27,701	48.3	na	na
Hispanic or Latino	70,428	58.0	48,099	59.9	22,329	54.1	2,352	53.0	na	na
Not Hispanic or Latino										
American Indian or Alaska Native	1,984	61.7	1,211	62.1	773	61.2	111	55.0	na	na
Asian	62,549	49.9	40,930	49.6	21,619	50.4	5,631	44.3	na	na
Black or African American	46,276	63.4	31,764	63.6	14,512	62.9	1,230	57.7	na	na
Native Hawaiian or Other Pacific Islander	754	55.4	544	56.1	210	53.8	57	47.4	na	na
White	269,477	53.6	163,247	55.4	106,230	51.0	14,585	48.3	na	na
More than one race	20,004	56.1	12,120	56.4	7,884	55.7	694	53.5	na	na
Unknown ethnicity and race	24,336	52.1	15,694	52.8	8,642	50.9	3,041	46.7	na	na
Temporary visa holders	322,287	38.6	197,257	38.7	125,030	38.3	38,149	39.4	na	na
Science	561,489	50.6	348,520	50.5	212,969	50.6	37,982	42.9	20,600	42.4
U.S. citizens and permanent residents ^a	342,026	56.1	206,723	56.8	135,303	54.9	16,635	47.4	na	na
Hispanic or Latino	49,494	60.1	32,310	62.0	17,184	56.5	1,466	53.6	na	na
Not Hispanic or Latino										
American Indian or Alaska Native	1,412	60.8	808	60.0	604	61.8	69	53.6	na	na
Asian	41,873	50.7	26,885	49.3	14,988	53.3	2,992	42.9	na	na
Black or African American	32,482	63.5	22,048	63.3	10,434	64.0	646	54.3	na	na
Native Hawaiian or Other Pacific Islander	572	54.7	413	53.8	159	57.2	28	57.1	na	na
White	185,527	55.0	105,997	56.3	79,530	53.4	9,301	47.8	na	na
More than one race	13,966	58.3	7,998	57.9	5,968	58.9	458	50.7	na	na
Unknown ethnicity and race	16,700	52.3	10,264	51.4	6,436	53.7	1,675	43.7	na	na
Temporary visa holders	219,463	42.0	141,797	41.3	77,666	43.2	21,347	39.3	na	na
Agricultural and veterinary sciences	11,755	59.6	6,901	63.0	4,854	54.9	1,993	48.9	1,238	49.5
U.S. citizens and permanent residents ^a	7,684	64.2	5,291	65.9	2,393	60.3	825	59.4	na	na
Hispanic or Latino	896	64.5	653	67.2	243	57.2	55	72.7	na	na
Not Hispanic or Latino										
American Indian or Alaska Native	41	68.3	27	85.2	14	35.7	2	100.0	na	na
Asian	372	61.6	236	67.8	136	50.7	126	49.2	na	na
Black or African American	422	65.4	323	65.3	99	65.7	60	50.0	na	na
Native Hawaiian or Other Pacific Islander	17	58.8	16	56.3	1	100.0	1	100.0	na	na
White	5,457	64.0	3,702	65.4	1,755	61.0	489	64.8	na	na
More than one race	244	66.0	169	64.5	75	69.3	22	45.5	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
Unknown ethnicity and race	235	66.8	165	70.3	70	58.6	70	40.0	na	na
Temporary visa holders	4,071	51.1	1,610	53.4	2,461	49.6	1,168	41.4	na	na
Biological and biomedical sciences	105,566	62.6	44,703	67.4	60,863	59.1	19,520	47.5	8,589	47.4
U.S. citizens and permanent residents ^a	79,320	63.3	35,639	67.6	43,681	59.8	8,098	50.5	na	na
Hispanic or Latino	11,037	62.7	5,086	67.8	5,951	58.4	776	56.1	na	na
Not Hispanic or Latino										
American Indian or Alaska Native	284	63.0	125	69.6	159	57.9	30	63.3	na	na
Asian	10,603	62.3	4,966	66.7	5,637	58.5	1,587	46.5	na	na
Black or African American	6,510	70.8	3,905	73.6	2,605	66.5	301	54.2	na	na
Native Hawaiian or Other Pacific Islander	112	64.3	61	62.3	51	66.7	13	53.8	na	na
White	44,088	62.6	18,362	66.7	25,726	59.7	4,448	50.8	na	na
More than one race	3,444	63.8	1,525	67.3	1,919	61.0	219	53.0	na	na
Unknown ethnicity and race	3,242	63.0	1,609	66.7	1,633	59.3	724	48.2	na	na
Temporary visa holders	26,246	60.6	9,064	66.7	17,182	57.4	11,422	45.5	na	na
Computer and information sciences	166,014	33.1	143,530	33.9	22,484	28.4	987	27.9	631	27.4
U.S. citizens and permanent residents ^a	57,659	29.7	49,046	29.8	8,613	29.3	374	33.2	na	na
Hispanic or Latino	6,059	28.4	5,425	28.4	634	29.2	19	42.1	na	na
Not Hispanic or Latino										
American Indian or Alaska Native	168	29.2	141	29.1	27	29.6	1	100.0	na	na
Asian	14,432	33.4	12,577	33.5	1,855	32.4	81	37.0	na	na
Black or African American	6,351	38.2	5,529	38.7	822	34.8	18	50.0	na	na
Native Hawaiian or Other Pacific Islander	87	27.6	75	24.0	12	50.0	2	100.0	na	na
White	24,437	25.4	20,179	25.3	4,258	25.8	198	30.3	na	na
More than one race	2,166	30.0	1,784	29.0	382	34.3	6	33.3	na	na
Unknown ethnicity and race	3,959	31.2	3,336	30.7	623	33.9	49	24.5	na	na
Temporary visa holders	108,355	34.9	94,484	36.0	13,871	27.8	613	24.6	na	na
Geosciences, atmospheric, and ocean sciences	11,594	52.4	4,793	54.5	6,801	50.9	1,919	41.6	2,455	34.7
U.S. citizens and permanent residents ^a	8,851	56.1	4,209	56.4	4,642	55.8	931	47.6	na	na
Hispanic or Latino	1,132	57.7	582	59.6	550	55.6	79	44.3	na	na
Not Hispanic or Latino										
American Indian or Alaska Native	29	72.4	19	68.4	10	80.0	3	66.7	na	na
Asian	415	58.8	159	60.4	256	57.8	105	47.6	na	na
Black or African American	311	56.9	143	58.7	168	55.4	30	46.7	na	na
Native Hawaiian or Other Pacific Islander	5	80.0	3	66.7	2	100.0	1	100.0	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
White	6,201	55.3	2,985	55.5	3,216	55.2	582	48.3	na	na
More than one race	454	62.1	189	58.7	265	64.5	31	58.1	na	na
Unknown ethnicity and race	304	49.3	129	49.6	175	49.1	100	42.0	na	na
Temporary visa holders	2,743	40.5	584	41.1	2,159	40.3	988	36.0	na	na
Mathematics and statistics	33,893	35.3	20,105	38.9	13,788	30.0	1,220	23.4	307	30.3
U.S. citizens and permanent residents ^a	15,831	33.4	9,086	37.5	6,745	27.9	604	24.0	na	na
Hispanic or Latino	1,958	33.1	1,250	36.6	708	26.8	45	17.8	na	na
Not Hispanic or Latino										
American Indian or Alaska Native	38	31.6	27	25.9	11	45.5	5	20.0	na	na
Asian	2,563	37.8	1,553	42.2	1,010	31.0	123	28.5	na	na
Black or African American	768	41.1	548	44.2	220	33.6	13	23.1	na	na
Native Hawaiian or Other Pacific Islander	15	20.0	11	18.2	4	25.0	1	*	na	na
White	9,075	31.7	4,917	36.0	4,158	26.7	319	23.5	na	na
More than one race	595	33.9	321	35.8	274	31.8	20	30.0	na	na
Unknown ethnicity and race	819	32.0	459	34.4	360	28.9	78	21.8	na	na
Temporary visa holders	18,062	36.9	11,019	40.1	7,043	31.9	616	22.9	na	na
Multidisciplinary and interdisciplinary sciences	26,429	49.4	21,928	48.2	4,501	55.2	988	44.1	818	39.2
U.S. citizens and permanent residents ^a	14,972	53.3	12,064	52.2	2,908	58.1	490	53.1	na	na
Hispanic or Latino	1,935	54.7	1,596	53.5	339	60.5	48	54.2	na	na
Not Hispanic or Latino										
American Indian or Alaska Native	43	51.2	33	48.5	10	60.0	1	100.0	na	na
Asian	2,392	53.8	2,071	52.1	321	64.8	81	49.4	na	na
Black or African American	1,458	58.4	1,206	57.9	252	60.7	21	57.1	na	na
Native Hawaiian or Other Pacific Islander	25	60.0	20	50.0	5	100.0	4	50.0	na	na
White	7,814	52.3	6,085	51.1	1,729	56.4	260	55.0	na	na
More than one race	574	56.4	448	55.6	126	59.5	14	57.1	na	na
Unknown ethnicity and race	731	47.1	605	46.4	126	50.0	61	45.9	na	na
Temporary visa holders	11,457	44.2	9,864	43.2	1,593	49.9	498	35.3	na	na
Natural resources and conservation	13,490	59.7	9,486	60.4	4,004	57.9	937	47.2	663	40.3
U.S. citizens and permanent residents ^a	11,139	61.3	8,309	61.5	2,830	60.9	557	52.2	na	na
Hispanic or Latino	1,240	66.5	953	66.8	287	65.2	33	48.5	na	na
Not Hispanic or Latino										
American Indian or Alaska Native	120	66.7	76	65.8	44	68.2	2	*	na	na
Asian	448	67.9	295	69.2	153	65.4	49	46.9	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				
American Indian or Alaska Native	340	63.8	165	60.6	175	66.9	14	57.1	na	na
Asian	3,761	61.3	2,066	62.1	1,695	60.2	144	54.2	na	na
Black or African American	6,300	63.6	4,051	65.0	2,249	61.0	91	63.7	na	na
Native Hawaiian or Other Pacific Islander	113	48.7	78	48.7	35	48.6	4	75.0	na	na
White	29,079	53.9	17,738	53.7	11,341	54.1	591	54.3	na	na
More than one race	2,220	63.1	1,322	61.8	898	64.9	37	67.6	na	na
Unknown ethnicity and race	2,516	48.8	1,314	47.2	1,202	50.5	147	63.3	na	na
Temporary visa holders	22,091	50.4	9,313	54.0	12,778	47.7	696	47.7	na	na

- = not calculable. * = value < 0.05%. 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):

For postdoctoral appointees and doctorate-holding nonfaculty researchers, "field" refers to the field of the unit that reports information on these groups to the Survey of Graduate Students and Postdoctorates in Science and Engineering (GSS). 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, 2023.