

TABLE 4-9a

Geosciences, atmospheric, and ocean sciences master's and doctoral student demographics, enrollment status, and funding: 2023

(Number and percent)

Characteristic	All graduate students		Master's students		Doctoral students	
	Number	Percent	Number	Percent	Number	Percent
Institutions	224	32.6	205	29.8	156	22.7
Schools	228	29.6	208	27.0	158	20.5
Units	382	1.7	322	1.4	265	1.2
All graduate students	11,594	100.0	4,793	100.0	6,801	100.0
Male	5,522	47.6	2,180	45.5	3,342	49.1
Female	6,072	52.4	2,613	54.5	3,459	50.9
U.S. citizens and permanent residents ^a	8,851	76.3	4,209	87.8	4,642	68.3
Hispanic or Latino	1,132	9.8	582	12.1	550	8.1
Not Hispanic or Latino						
American Indian or Alaska Native	29	0.3	19	0.4	10	0.1
Asian	415	3.6	159	3.3	256	3.8
Black or African American	311	2.7	143	3.0	168	2.5
Native Hawaiian or Other Pacific Islander	5	*	3	0.1	2	*
White	6,201	53.5	2,985	62.3	3,216	47.3
More than one race	454	3.9	189	3.9	265	3.9
Unknown ethnicity and race	304	2.6	129	2.7	175	2.6
Temporary visa holders	2,743	23.7	584	12.2	2,159	31.7
Part time	2,075	17.9	1,417	29.6	658	9.7
Full time	9,519	82.1	3,376	70.4	6,143	90.3
First time	2,483	21.4	1,443	30.1	1,040	15.3
Primary source of support for full-time students ^b						
Federal	2,607	22.5	590	12.3	2,017	29.7
DOD	148	1.3	43	0.9	105	1.5
DOE	118	1.0	24	0.5	94	1.4
HHS	26	0.2	5	0.1	21	0.3
NIH	16	0.1	0	0.0	16	0.2
Other HHS	10	0.1	5	0.1	5	0.1
NASA	431	3.7	54	1.1	377	5.5
NSF	1,214	10.5	237	4.9	977	14.4
USDA	33	0.3	7	0.1	26	0.4
Other	637	5.5	220	4.6	417	6.1
Nonfederal	5,756	49.6	1,933	40.3	3,823	56.2
Institutional	5,199	44.8	1,773	37.0	3,426	50.4
Domestic	458	4.0	137	2.9	321	4.7
Foreign	99	0.9	23	0.5	76	1.1

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Characteristic	All graduate students		Master's students		Doctoral students	
	Number	Percent	Number	Percent	Number	Percent
Self-support	1,156	10.0	853	17.8	303	4.5
Primary mechanism of support for full-time students ^b						
Fellowships	1,060	9.1	108	2.3	952	14.0
Research assistantships	4,334	37.4	1,149	24.0	3,185	46.8
Teaching assistantships	2,339	20.2	1,026	21.4	1,313	19.3
Traineeships	87	0.8	8	0.2	79	1.2
Other types of support	1,699	14.7	1,085	22.6	614	9.0
Self-support	1,156	10.0	853	17.8	303	4.5
Other	543	4.7	232	4.8	311	4.6

* = value < 0.05%.

DOD = Department of Defense; DOE = Department of Energy; HHS = Department of Health and Human Services; NASA = National Aeronautics and Space Administration; NIH = National Institutes of Health; NSF = National Science Foundation; USDA = Department of Agriculture.

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

^b Funding data are available only for full-time students.

Note(s):

Percentages may not add to total because of rounding. For more information on the mapping of Survey of Graduate Students and Postdoctorates in Science and Engineering 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.