

TABLE 4-9a

Geosciences, atmospheric sciences, and ocean sciences master's and doctoral student demographics, enrollment status, and funding: 2021

(Number and percent)

Characteristic	All graduate students		Master's students		Doctoral students	
	Number	Percent	Number	Percent	Number	Percent
Institutions	223	31.9	204	29.2	155	22.2
Schools	227	28.8	207	26.3	158	20.1
Units	391	1.8	331	1.5	267	1.2
All graduate students	12,290	100.0	5,520	100.0	6,770	100.0
Male	6,044	49.2	2,624	47.5	3,420	50.5
Female	6,246	50.8	2,896	52.5	3,350	49.5
U.S. citizens and permanent residents ^a	9,734	79.2	5,017	90.9	4,717	69.7
Hispanic or Latino	1,068	8.7	571	10.3	497	7.3
Not Hispanic or Latino						
American Indian or Alaska Native	32	0.3	18	0.3	14	0.2
Asian	418	3.4	168	3.0	250	3.7
Black or African American	303	2.5	159	2.9	144	2.1
Native Hawaiian or Other Pacific Islander	8	0.1	6	0.1	2	*
White	7,118	57.9	3,748	67.9	3,370	49.8
More than one race	403	3.3	186	3.4	217	3.2
Unknown ethnicity and race	384	3.1	161	2.9	223	3.3
Temporary visa holders	2,556	20.8	503	9.1	2,053	30.3
Part time	2,427	19.7	1,789	32.4	638	9.4
Full time	9,863	80.3	3,731	67.6	6,132	90.6
First time	2,797	22.8	1,606	29.1	1,191	17.6
Primary source of support for full-time students ^b						
Federal	2,651	21.6	704	12.8	1,947	28.8
DOD	141	1.1	49	0.9	92	1.4
DOE	102	0.8	22	0.4	80	1.2
HHS	31	0.3	8	0.1	23	0.3
NIH	16	0.1	3	0.1	13	0.2
Other HHS	15	0.1	5	0.1	10	0.1
NASA	441	3.6	60	1.1	381	5.6
NSF	1,267	10.3	278	5.0	989	14.6
USDA	32	0.3	15	0.3	17	0.3
Other	637	5.2	272	4.9	365	5.4
Nonfederal	5,871	47.8	2,038	36.9	3,833	56.6
Institutional	5,270	42.9	1,891	34.3	3,379	49.9
Domestic	503	4.1	119	2.2	384	5.7
Foreign	98	0.8	28	0.5	70	1.0
Self-support	1,341	10.9	989	17.9	352	5.2
Primary mechanism of support for full-time students ^b						
Fellowships	1,152	9.4	135	2.4	1,017	15.0
Research assistantships	4,170	33.9	1,209	21.9	2,961	43.7
Teaching assistantships	2,493	20.3	1,140	20.7	1,353	20.0
Traineeships	94	0.8	15	0.3	79	1.2
Other types of support	1,954	15.9	1,232	22.3	722	10.7
Self-support	1,341	10.9	989	17.9	352	5.2
Other	613	5.0	243	4.4	370	5.5

* = 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, 2021.