

TABLE 4-9a

Geosciences, atmospheric sciences, and ocean sciences master's and doctoral student demographics, enrollment status, and funding: 2019

(Number and percent)

Characteristic	All graduate students		Master's students		Doctoral students	
	Number	Percent	Number	Percent	Number	Percent
Institutions	226	31.7	212	29.7	155	21.7
Schools	229	28.3	214	26.5	156	19.3
Units	390	1.9	335	1.7	265	1.3
All graduate students	11,878	100.0	5,327	100.0	6,551	100.0
Male	6,234	52.5	2,749	51.6	3,485	53.2
Female	5,644	47.5	2,578	48.4	3,066	46.8
U.S. citizens and permanent residents ^a	9,326	78.5	4,841	90.9	4,485	68.5
Hispanic or Latino	882	7.4	472	8.9	410	6.3
Not Hispanic or Latino						
American Indian or Alaska Native	39	0.3	22	0.4	17	0.3
Asian	377	3.2	133	2.5	244	3.7
Black or African American	258	2.2	152	2.9	106	1.6
Native Hawaiian or Other Pacific Islander	9	0.1	7	0.1	2	*
White	7,080	59.6	3,722	69.9	3,358	51.3
More than one race	320	2.7	154	2.9	166	2.5
Unknown ethnicity and race	361	3.0	179	3.4	182	2.8
Temporary visa holders	2,552	21.5	486	9.1	2,066	31.5
Part time	2,357	19.8	1,652	31.0	705	10.8
Full time	9,521	80.2	3,675	69.0	5,846	89.2
First time	2,501	21.1	1,487	27.9	1,014	15.5
Primary source of support for full-time students ^b						
Federal	2,504	21.1	635	11.9	1,869	28.5
DOD	183	1.5	85	1.6	98	1.5
DOE	90	0.8	19	0.4	71	1.1
HHS	31	0.3	3	0.1	28	0.4
NIH	23	0.2	2	*	21	0.3
Other HHS	8	0.1	1	*	7	0.1
NASA	452	3.8	51	1.0	401	6.1
NSF	1,188	10.0	236	4.4	952	14.5
USDA	26	0.2	14	0.3	12	0.2
Other	534	4.5	227	4.3	307	4.7
Nonfederal	5,699	48.0	2,100	39.4	3,599	54.9
Institutional	5,122	43.1	1,929	36.2	3,193	48.7
Domestic	481	4.0	139	2.6	342	5.2
Foreign	96	0.8	32	0.6	64	1.0
Self-support	1,318	11.1	940	17.6	378	5.8
Primary mechanism of support for full-time students ^b						
Fellowships	1,122	9.4	126	2.4	996	15.2
Research assistantships	3,661	30.8	1,039	19.5	2,622	40.0
Teaching assistantships	2,579	21.7	1,222	22.9	1,357	20.7
Traineeships	115	1.0	20	0.4	95	1.5
Other types of support	2,044	17.2	1,268	23.8	776	11.8
Self-support	1,318	11.1	940	17.6	378	5.8
Other	726	6.1	328	6.2	398	6.1

* = 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.

Source(s):

National Center for Science and Engineering Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering, 2019.