

TABLE 4-16a

Aerospace, aeronautical, and astronautical engineering 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	63	9.0	63	9.0	48	6.9
Schools	63	8.0	63	8.0	48	6.1
Units	72	0.3	70	0.3	51	0.2
All graduate students	7,838	100.0	5,065	100.0	2,773	100.0
Male	6,373	81.3	4,158	82.1	2,215	79.9
Female	1,465	18.7	907	17.9	558	20.1
U.S. citizens and permanent residents ^a	6,074	77.5	4,402	86.9	1,672	60.3
Hispanic or Latino	688	8.8	545	10.8	143	5.2
Not Hispanic or Latino						
American Indian or Alaska Native	17	0.2	12	0.2	5	0.2
Asian	767	9.8	559	11.0	208	7.5
Black or African American	170	2.2	114	2.3	56	2.0
Native Hawaiian or Other Pacific Islander	11	0.1	8	0.2	3	0.1
White	3,961	50.5	2,840	56.1	1,121	40.4
More than one race	276	3.5	189	3.7	87	3.1
Unknown ethnicity and race	184	2.3	135	2.7	49	1.8
Temporary visa holders	1,764	22.5	663	13.1	1,101	39.7
Part time	2,677	34.2	2,310	45.6	367	13.2
Full time	5,161	65.8	2,755	54.4	2,406	86.8
First time	1,693	21.6	1,269	25.1	424	15.3
Primary source of support for full-time students ^b						
Federal	1,291	16.5	412	8.1	879	31.7
DOD	618	7.9	262	5.2	356	12.8
DOE	76	1.0	16	0.3	60	2.2
HHS	5	0.1	0	0.0	5	0.2
NIH	2	*	0	0.0	2	0.1
Other HHS	3	*	0	0.0	3	0.1
NASA	220	2.8	55	1.1	165	6.0
NSF	206	2.6	35	0.7	171	6.2
USDA	2	*	0	0.0	2	0.1
Other	164	2.1	44	0.9	120	4.3
Nonfederal	2,221	28.3	888	17.5	1,333	48.1
Institutional	1,812	23.1	753	14.9	1,059	38.2
Domestic	287	3.7	115	2.3	172	6.2
Foreign	122	1.6	20	0.4	102	3.7
Self-support	1,649	21.0	1,455	28.7	194	7.0
Primary mechanism of support for full-time students ^b						
Fellowships	452	5.8	92	1.8	360	13.0
Research assistantships	1,870	23.9	507	10.0	1,363	49.2
Teaching assistantships	611	7.8	277	5.5	334	12.0
Traineeships	60	0.8	39	0.8	21	0.8
Other types of support	2,168	27.7	1,840	36.3	328	11.8
Self-support	1,649	21.0	1,455	28.7	194	7.0
Other	519	6.6	385	7.6	134	4.8

* = 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.