

TABLE 4-16a

Aerospace, aeronautical, and astronautical engineering 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	66	9.6	66	9.6	50	7.3
Schools	66	8.6	66	8.6	50	6.5
Units	75	0.3	74	0.3	52	0.2
All graduate students	8,264	100.0	5,380	100.0	2,884	100.0
Male	6,620	80.1	4,311	80.1	2,309	80.1
Female	1,644	19.9	1,069	19.9	575	19.9
U.S. citizens and permanent residents ^a	6,227	75.4	4,422	82.2	1,805	62.6
Hispanic or Latino	778	9.4	588	10.9	190	6.6
Not Hispanic or Latino						
American Indian or Alaska Native	13	0.2	7	0.1	6	0.2
Asian	907	11.0	669	12.4	238	8.3
Black or African American	181	2.2	117	2.2	64	2.2
Native Hawaiian or Other Pacific Islander	8	0.1	6	0.1	2	0.1
White	3,873	46.9	2,712	50.4	1,161	40.3
More than one race	289	3.5	193	3.6	96	3.3
Unknown ethnicity and race	178	2.2	130	2.4	48	1.7
Temporary visa holders	2,037	24.6	958	17.8	1,079	37.4
Part time	2,817	34.1	2,497	46.4	320	11.1
Full time	5,447	65.9	2,883	53.6	2,564	88.9
First time	1,680	20.3	1,262	23.5	418	14.5
Primary source of support for full-time students ^b						
Federal	1,443	17.5	444	8.3	999	34.6
DOD	652	7.9	256	4.8	396	13.7
DOE	86	1.0	20	0.4	66	2.3
HHS	6	0.1	1	*	5	0.2
NIH	5	0.1	1	*	4	0.1
Other HHS	1	*	0	0.0	1	*
NASA	231	2.8	44	0.8	187	6.5
NSF	205	2.5	24	0.4	181	6.3
USDA	0	0.0	0	0.0	0	0.0
Other	263	3.2	99	1.8	164	5.7
Nonfederal	2,520	30.5	1,139	21.2	1,381	47.9
Institutional	2,030	24.6	969	18.0	1,061	36.8
Domestic	393	4.8	148	2.8	245	8.5
Foreign	97	1.2	22	0.4	75	2.6

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Characteristic	All graduate students		Master's students		Doctoral students	
	Number	Percent	Number	Percent	Number	Percent
Self-support	1,484	18.0	1,300	24.2	184	6.4
Primary mechanism of support for full-time students ^b						
Fellowships	475	5.7	91	1.7	384	13.3
Research assistantships	2,065	25.0	604	11.2	1,461	50.7
Teaching assistantships	691	8.4	349	6.5	342	11.9
Traineeships	44	0.5	34	0.6	10	0.3
Other types of support	2,172	26.3	1,805	33.6	367	12.7
Self-support	1,484	18.0	1,300	24.2	184	6.4
Other	688	8.3	505	9.4	183	6.3

* = 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.