

TABLE 4-16a

Aerospace, aeronautical, and astronautical engineering master's and doctoral student demographics, enrollment status, and funding: 2022

(Number and percent)

Characteristic	All graduate students		Master's students		Doctoral students	
	Number	Percent	Number	Percent	Number	Percent
Institutions	65	9.4	65	9.4	50	7.2
Schools	65	8.4	65	8.4	50	6.5
Units	73	0.3	71	0.3	52	0.2
All graduate students	8,095	100.0	5,263	100.0	2,832	100.0
Male	6,532	80.7	4,250	80.8	2,282	80.6
Female	1,563	19.3	1,013	19.2	550	19.4
U.S. citizens and permanent residents ^a	6,119	75.6	4,353	82.7	1,766	62.4
Hispanic or Latino	703	8.7	536	10.2	167	5.9
Not Hispanic or Latino						
American Indian or Alaska Native	12	0.1	10	0.2	2	0.1
Asian	868	10.7	632	12.0	236	8.3
Black or African American	176	2.2	114	2.2	62	2.2
Native Hawaiian or Other Pacific Islander	10	0.1	8	0.2	2	0.1
White	3,894	48.1	2,741	52.1	1,153	40.7
More than one race	274	3.4	179	3.4	95	3.4
Unknown ethnicity and race	182	2.2	133	2.5	49	1.7
Temporary visa holders	1,976	24.4	910	17.3	1,066	37.6
Part time	2,675	33.0	2,326	44.2	349	12.3
Full time	5,420	67.0	2,937	55.8	2,483	87.7
First time	1,691	20.9	1,316	25.0	375	13.2
Primary source of support for full-time students ^b						
Federal	1,244	15.4	404	7.7	840	29.7
DOD	581	7.2	222	4.2	359	12.7
DOE	65	0.8	17	0.3	48	1.7
HHS	4	*	0	0.0	4	0.1
NIH	3	*	0	0.0	3	0.1
Other HHS	1	*	0	0.0	1	*
NASA	210	2.6	49	0.9	161	5.7
NSF	169	2.1	23	0.4	146	5.2
USDA	1	*	0	0.0	1	*
Other	214	2.6	93	1.8	121	4.3
Nonfederal	2,648	32.7	1,230	23.4	1,418	50.1
Institutional	2,297	28.4	1,106	21.0	1,191	42.1
Domestic	274	3.4	99	1.9	175	6.2
Foreign	77	1.0	25	0.5	52	1.8
Self-support	1,528	18.9	1,303	24.8	225	7.9
Primary mechanism of support for full-time students ^b						
Fellowships	434	5.4	98	1.9	336	11.9
Research assistantships	1,976	24.4	584	11.1	1,392	49.2
Teaching assistantships	697	8.6	356	6.8	341	12.0
Traineeships	55	0.7	39	0.7	16	0.6
Other types of support	2,258	27.9	1,860	35.3	398	14.1
Self-support	1,528	18.9	1,303	24.8	225	7.9
Other	730	9.0	557	10.6	173	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. 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, 2022.