

TABLE 4-16a

Aerospace, aeronautical, and astronautical engineering master's and doctoral student demographics, enrollment status, and funding: 2020

(Number and percent)

Characteristic	All graduate students		Master's students		Doctoral students	
	Number	Percent	Number	Percent	Number	Percent
Institutions	61	8.6	60	8.4	48	6.7
Schools	61	7.6	60	7.4	48	6.0
Units	69	0.3	65	0.3	51	0.2
All graduate students	6,971	100.0	4,326	100.0	2,645	100.0
Male	5,720	82.1	3,566	82.4	2,154	81.4
Female	1,251	17.9	760	17.6	491	18.6
U.S. citizens and permanent residents ^a	5,300	76.0	3,752	86.7	1,548	58.5
Hispanic or Latino	532	7.6	416	9.6	116	4.4
Not Hispanic or Latino						
American Indian or Alaska Native	14	0.2	10	0.2	4	0.2
Asian	608	8.7	425	9.8	183	6.9
Black or African American	163	2.3	115	2.7	48	1.8
Native Hawaiian or Other Pacific Islander	10	0.1	5	0.1	5	0.2
White	3,552	51.0	2,479	57.3	1,073	40.6
More than one race	233	3.3	158	3.7	75	2.8
Unknown ethnicity and race	188	2.7	144	3.3	44	1.7
Temporary visa holders	1,671	24.0	574	13.3	1,097	41.5
Part time	2,372	34.0	2,028	46.9	344	13.0
Full time	4,599	66.0	2,298	53.1	2,301	87.0
First time	1,301	18.7	943	21.8	358	13.5
Primary source of support for full-time students ^b						
Federal	1,230	17.6	362	8.4	868	32.8
DOD	559	8.0	207	4.8	352	13.3
DOE	62	0.9	17	0.4	45	1.7
HHS	4	0.1	1	*	3	0.1
NIH	3	*	1	*	2	0.1
Other HHS	1	*	0	0.0	1	*
NASA	199	2.9	45	1.0	154	5.8
NSF	232	3.3	35	0.8	197	7.4
USDA	2	*	0	0.0	2	0.1
Other	172	2.5	57	1.3	115	4.3
Nonfederal	2,013	28.9	752	17.4	1,261	47.7
Institutional	1,617	23.2	653	15.1	964	36.4
Domestic	260	3.7	85	2.0	175	6.6
Foreign	136	2.0	14	0.3	122	4.6
Self-support	1,356	19.5	1,184	27.4	172	6.5
Primary mechanism of support for full-time students ^b						
Fellowships	428	6.1	111	2.6	317	12.0
Research assistantships	1,736	24.9	464	10.7	1,272	48.1
Teaching assistantships	591	8.5	214	4.9	377	14.3
Traineeships	61	0.9	39	0.9	22	0.8
Other types of support	1,783	25.6	1,470	34.0	313	11.8
Self-support	1,356	19.5	1,184	27.4	172	6.5
Other	427	6.1	286	6.6	141	5.3

* = 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, 2020.