

TABLE 4-23a

Metallurgical, mining, materials and related engineering fields 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	97	13.6	90	12.6	82	11.5
Schools	98	12.2	91	11.3	82	10.2
Units	152	0.7	133	0.6	109	0.5
All graduate students	7,181	100.0	2,299	100.0	4,882	100.0
Male	4,890	68.1	1,542	67.1	3,348	68.6
Female	2,291	31.9	757	32.9	1,534	31.4
U.S. citizens and permanent residents ^a	3,943	54.9	1,494	65.0	2,449	50.2
Hispanic or Latino	423	5.9	160	7.0	263	5.4
Not Hispanic or Latino						
American Indian or Alaska Native	9	0.1	4	0.2	5	0.1
Asian	536	7.5	198	8.6	338	6.9
Black or African American	168	2.3	65	2.8	103	2.1
Native Hawaiian or Other Pacific Islander	4	0.1	2	0.1	2	*
White	2,502	34.8	945	41.1	1,557	31.9
More than one race	166	2.3	66	2.9	100	2.0
Unknown ethnicity and race	135	1.9	54	2.3	81	1.7
Temporary visa holders	3,238	45.1	805	35.0	2,433	49.8
Part time	1,118	15.6	733	31.9	385	7.9
Full time	6,063	84.4	1,566	68.1	4,497	92.1
First time	1,412	19.7	690	30.0	722	14.8
Primary source of support for full-time students ^b						
Federal	1,716	23.9	161	7.0	1,555	31.9
DOD	314	4.4	54	2.3	260	5.3
DOE	409	5.7	41	1.8	368	7.5
HHS	135	1.9	13	0.6	122	2.5
NIH	77	1.1	5	0.2	72	1.5
Other HHS	58	0.8	8	0.3	50	1.0
NASA	50	0.7	7	0.3	43	0.9
NSF	657	9.1	30	1.3	627	12.8
USDA	8	0.1	2	0.1	6	0.1
Other	143	2.0	14	0.6	129	2.6
Nonfederal	2,841	39.6	448	19.5	2,393	49.0
Institutional	2,258	31.4	368	16.0	1,890	38.7
Domestic	468	6.5	68	3.0	400	8.2
Foreign	115	1.6	12	0.5	103	2.1
Self-support	1,506	21.0	957	41.6	549	11.2
Primary mechanism of support for full-time students ^b						
Fellowships	700	9.7	81	3.5	619	12.7
Research assistantships	2,770	38.6	263	11.4	2,507	51.4
Teaching assistantships	616	8.6	127	5.5	489	10.0
Traineeships	57	0.8	8	0.3	49	1.0
Other types of support	1,920	26.7	1,087	47.3	833	17.1
Self-support	1,506	21.0	957	41.6	549	11.2
Other	414	5.8	130	5.7	284	5.8

* = 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, 2020.