

TABLE 4-18a

**Chemical, petroleum, and chemical-related 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	143	20.1	136	19.1	121	17.0
Schools	144	17.9	137	17.0	121	15.0
Units	189	0.9	169	0.8	144	0.7
All graduate students	10,554	100.0	2,942	100.0	7,612	100.0
Male	7,194	68.2	2,038	69.3	5,156	67.7
Female	3,360	31.8	904	30.7	2,456	32.3
U.S. citizens and permanent residents <sup>a</sup>	5,285	50.1	1,676	57.0	3,609	47.4
Hispanic or Latino	506	4.8	199	6.8	307	4.0
Not Hispanic or Latino						
American Indian or Alaska Native	16	0.2	4	0.1	12	0.2
Asian	821	7.8	261	8.9	560	7.4
Black or African American	255	2.4	112	3.8	143	1.9
Native Hawaiian or Other Pacific Islander	4	*	1	*	3	*
White	3,281	31.1	952	32.4	2,329	30.6
More than one race	205	1.9	69	2.3	136	1.8
Unknown ethnicity and race	197	1.9	78	2.7	119	1.6
Temporary visa holders	5,269	49.9	1,266	43.0	4,003	52.6
Part time	1,524	14.4	1,044	35.5	480	6.3
Full time	9,030	85.6	1,898	64.5	7,132	93.7
First time	2,019	19.1	778	26.4	1,241	16.3
Primary source of support for full-time students <sup>b</sup>						
Federal	2,533	24.0	97	3.3	2,436	32.0
DOD	216	2.0	13	0.4	203	2.7
DOE	508	4.8	20	0.7	488	6.4
HHS	346	3.3	7	0.2	339	4.5
NIH	293	2.8	7	0.2	286	3.8
Other HHS	53	0.5	0	0.0	53	0.7
NASA	49	0.5	9	0.3	40	0.5
NSF	1,142	10.8	30	1.0	1,112	14.6
USDA	22	0.2	3	0.1	19	0.2
Other	250	2.4	15	0.5	235	3.1
Nonfederal	4,988	47.3	633	21.5	4,355	57.2
Institutional	3,936	37.3	514	17.5	3,422	45.0
Domestic	900	8.5	102	3.5	798	10.5
Foreign	152	1.4	17	0.6	135	1.8
Self-support	1,509	14.3	1,168	39.7	341	4.5
Primary mechanism of support for full-time students <sup>b</sup>						
Fellowships	1,340	12.7	60	2.0	1,280	16.8
Research assistantships	4,343	41.2	246	8.4	4,097	53.8
Teaching assistantships	1,160	11.0	189	6.4	971	12.8
Traineeships	130	1.2	20	0.7	110	1.4
Other types of support	2,057	19.5	1,383	47.0	674	8.9
Self-support	1,509	14.3	1,168	39.7	341	4.5
Other	548	5.2	215	7.3	333	4.4

\* = value &lt; 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.

<sup>a</sup> Ethnicity and race data are available only for U.S. citizens and permanent residents.

<sup>b</sup> 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.