

TABLE 4-7a

Biological and biomedical sciences 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	507	71.2	487	68.4	285	40.0
Schools	565	70.1	537	66.6	332	41.2
Units	2,632	12.4	1,591	7.5	1,814	8.6
All graduate students	94,825	100.0	39,920	100.0	54,905	100.0
Male	37,928	40.0	13,930	34.9	23,998	43.7
Female	56,897	60.0	25,990	65.1	30,907	56.3
U.S. citizens and permanent residents ^a	76,717	80.9	35,226	88.2	41,491	75.6
Hispanic or Latino	9,442	10.0	4,464	11.2	4,978	9.1
Not Hispanic or Latino						
American Indian or Alaska Native	297	0.3	111	0.3	186	0.3
Asian	9,520	10.0	4,682	11.7	4,838	8.8
Black or African American	6,049	6.4	3,834	9.6	2,215	4.0
Native Hawaiian or Other Pacific Islander	137	0.1	84	0.2	53	0.1
White	44,974	47.4	19,042	47.7	25,932	47.2
More than one race	2,851	3.0	1,308	3.3	1,543	2.8
Unknown ethnicity and race	3,447	3.6	1,701	4.3	1,746	3.2
Temporary visa holders	18,108	19.1	4,694	11.8	13,414	24.4
Part time	17,245	18.2	13,447	33.7	3,798	6.9
Full time	77,580	81.8	26,473	66.3	51,107	93.1
First time	23,141	24.4	14,311	35.8	8,830	16.1
Primary source of support for full-time students ^b						
Federal	19,427	20.5	1,286	3.2	18,141	33.0
DOD	398	0.4	74	0.2	324	0.6
DOE	155	0.2	9	*	146	0.3
HHS	14,354	15.1	390	1.0	13,964	25.4
NIH	13,399	14.1	321	0.8	13,078	23.8
Other HHS	955	1.0	69	0.2	886	1.6
NASA	66	0.1	10	*	56	0.1
NSF	2,573	2.7	204	0.5	2,369	4.3
USDA	686	0.7	197	0.5	489	0.9
Other	1,195	1.3	402	1.0	793	1.4
Nonfederal	37,846	39.9	7,125	17.8	30,721	56.0
Institutional	34,170	36.0	6,669	16.7	27,501	50.1
Domestic	3,226	3.4	349	0.9	2,877	5.2
Foreign	450	0.5	107	0.3	343	0.6
Self-support	20,307	21.4	18,062	45.2	2,245	4.1
Primary mechanism of support for full-time students ^b						
Fellowships	10,017	10.6	473	1.2	9,544	17.4
Research assistantships	24,296	25.6	2,294	5.7	22,002	40.1
Teaching assistantships	10,644	11.2	3,059	7.7	7,585	13.8
Traineeships	5,890	6.2	157	0.4	5,733	10.4
Other types of support	26,733	28.2	20,490	51.3	6,243	11.4
Self-support	20,307	21.4	18,062	45.2	2,245	4.1
Other	6,426	6.8	2,428	6.1	3,998	7.3

* = 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.