

TABLE 4-7a

Biological and biomedical sciences master's and doctoral student demographics, enrollment status, and funding: 2021

(Number and percent)

Characteristic	All graduate students		Master's students		Doctoral students	
	Number	Percent	Number	Percent	Number	Percent
Institutions	511	73.1	491	70.2	289	41.3
Schools	567	72.0	538	68.4	335	42.6
Units	2,694	12.6	1,604	7.5	1,860	8.7
All graduate students	100,883	100.0	42,728	100.0	58,155	100.0
Male	39,169	38.8	14,444	33.8	24,725	42.5
Female	61,714	61.2	28,284	66.2	33,430	57.5
U.S. citizens and permanent residents ^a	80,117	79.4	36,870	86.3	43,247	74.4
Hispanic or Latino	10,508	10.4	5,037	11.8	5,471	9.4
Not Hispanic or Latino						
American Indian or Alaska Native	253	0.3	104	0.2	149	0.3
Asian	10,250	10.2	4,999	11.7	5,251	9.0
Black or African American	6,587	6.5	4,067	9.5	2,520	4.3
Native Hawaiian or Other Pacific Islander	140	0.1	86	0.2	54	0.1
White	46,065	45.7	19,656	46.0	26,409	45.4
More than one race	3,109	3.1	1,353	3.2	1,756	3.0
Unknown ethnicity and race	3,205	3.2	1,568	3.7	1,637	2.8
Temporary visa holders	20,766	20.6	5,858	13.7	14,908	25.6
Part time	18,665	18.5	14,779	34.6	3,886	6.7
Full time	82,218	81.5	27,949	65.4	54,269	93.3
First time	25,276	25.1	15,242	35.7	10,034	17.3
Primary source of support for full-time students ^b						
Federal	20,832	20.6	1,577	3.7	19,255	33.1
DOD	414	0.4	52	0.1	362	0.6
DOE	198	0.2	18	*	180	0.3
HHS	14,987	14.9	454	1.1	14,533	25.0
NIH	14,222	14.1	385	0.9	13,837	23.8
Other HHS	765	0.8	69	0.2	696	1.2
NASA	79	0.1	9	*	70	0.1
NSF	2,518	2.5	220	0.5	2,298	4.0
USDA	722	0.7	200	0.5	522	0.9
Other	1,914	1.9	624	1.5	1,290	2.2
Nonfederal	40,149	39.8	7,234	16.9	32,915	56.6
Institutional	36,255	35.9	6,707	15.7	29,548	50.8
Domestic	3,519	3.5	459	1.1	3,060	5.3
Foreign	375	0.4	68	0.2	307	0.5
Self-support	21,237	21.1	19,138	44.8	2,099	3.6
Primary mechanism of support for full-time students ^b						
Fellowships	11,394	11.3	645	1.5	10,749	18.5
Research assistantships	26,411	26.2	2,581	6.0	23,830	41.0
Teaching assistantships	10,685	10.6	2,942	6.9	7,743	13.3
Traineeships	5,845	5.8	115	0.3	5,730	9.9
Other types of support	27,883	27.6	21,666	50.7	6,217	10.7
Self-support	21,237	21.1	19,138	44.8	2,099	3.6
Other	6,646	6.6	2,528	5.9	4,118	7.1

* = 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, 2021.