

Roster of Astronomy Departments with Enrollment and Degree Data, 2022

Results from the 2022 Survey of Enrollments and Degrees
Starr Nicholson and Patrick J. Mulvey

The number of astronomy bachelors conferred at US institutions in the class of 2022 (n=870) represents 2.5% decline from the previous year. This is the first time the number of astronomy bachelor's degrees conferred has declined in over a decade (see figure on page 6).

There were 210 astronomy PhDs conferred at US institutions in the class of 2022. This represents a 23% increase from the previous year, resulting in the number of astronomy PhDs conferred reaching an all-time high (see figure on page 7). The astronomy PhDs reported in this roster do not include PhDs in astrophysics that were awarded at physics departments that do not offer an explicit astronomy degree. Those degrees are included in the data reported in the Roster of Physics Departments.

Total Astronomy Degrees Academic Year 2021-2022	
Bachelors	870
Exiting Masters	53
PhDs	210

Total Astronomy Enrollments Fall 2022	
Juniors	1,063
Seniors	1,507
1st Year Grad	317
Total Grad	1,489

Number of Departments by Highest Degree Offered Academic Year 2021-2022	
Bachelors	44
Masters	4
PhD	44
Total Departments	92

This roster contains detailed data from the annual Survey of Enrollments and Degrees. The survey was conducted in the fall of 2022 and covers all degree-granting astronomy departments in the United States.

Of the 92 departments, 40 are stand-alone astronomy departments and the remaining 52 are combined physics and astronomy departments. All but 2 of the 92 degree-granting astronomy departments contributed to the data supplied in this year's roster (98%). The totals above and the graphics on pages 6 and 7 include data from responding departments as well as estimated data for the 2 non-responding departments.

Trend in astronomy enrollments and degrees, academic years 2012 to 2023.							
Academic Year	Number of astronomy degrees			Undergraduate astronomy major enrollments		Graduate astronomy student enrollments	
	Bachelors	Exiting Masters	PhDs	Juniors	Seniors	1 st -year	Total
2012-13	386	35	155	484	694	233	1,134
2013-14	428	28	147	530	711	183	1,118
2014-15	459	22	130	561	780	187	1,108
2015-16	469	22	170	604	782	198	1,137
2016-17	535	37	186	721	944	250	1,154
2017-18	596	18	173	741	1,016	230	1,164
2018-19	666	28	159	850	1,052	241	1,179
2019-20	824	25	155	996	1,200	243	1,277
2020-21	892	33	171	1,033	1,361	264	1,379
2021-22	870	53	210	1,056	1,457	290	1,433
2022-23				1,063	1,507	317	1,489

Notations used in this roster:

- m* Masters is the department’s highest astronomy degree (N=4).
- p* PhD is the department’s highest astronomy degree (N=44).
- s* The astronomy department is administered separately from the physics department (N=40).
- c* This is a combined department, offering degrees in both astronomy and physics (N=52). Data concerning the physics portion of their program can be found in the “Roster of Physics Departments, 2022”.
- GRADUATE ONLY Department has no undergraduate program in astronomy (N=13).
- FIRST YEAR This column includes graduate students who were new to the department in the fall of 2022 as well as students who entered the department in the previous winter, spring and summer.
- EXITING MASTERS This column reflects the number of students who left the department with a master’s degree.
- FIRST TERM INTRODUCTORY COURSE ENROLLMENTS The introductory course enrollment totals listed for each department represent the number of students who took their first term of introductory level astronomy. Departments were instructed not to include enrollments for courses that were a continuation of a sequence.
- Data for this field were not provided.

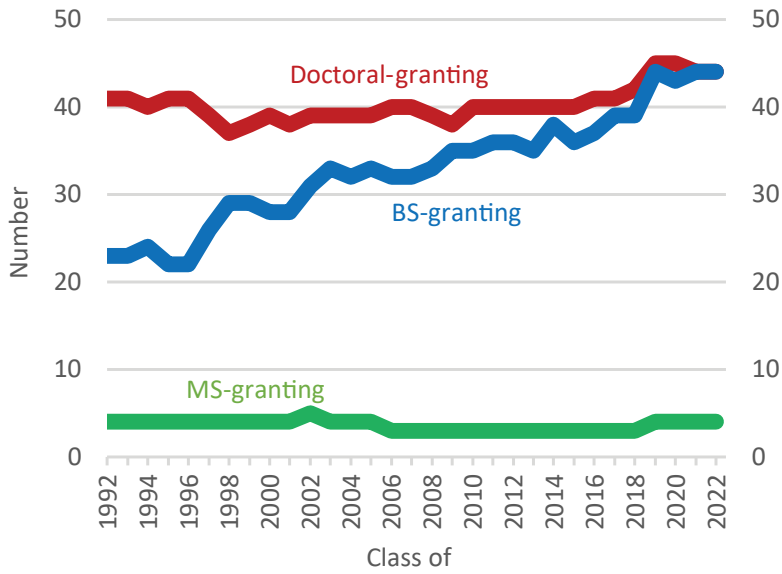
INSTITUTION	DEPT TYPE	2021-22 FIRST-TERM INTRODUCTORY ASTRO COURSE	FALL 2022 UNDERGRADUATE MAJORS		FALL 2022 GRADUATE STUDENTS			2021-22 ASTRONOMY DEGREES		
			JR	SR	TOTAL	NON-US CITIZEN	FIRST YEAR	BACHELORS	EXITING MASTERS	PHDS
ARIZONA										
p Arizona State U (Astrophys)	s	2160	23	41	47	8	8	24	1	7
p Arizona-U of	s	1092	62	65	54	20	7	30	2	3
p Arizona-U of (Planetary Sci)	s	GRADUATE ONLY			46	13	13		0	9
Embry-Riddle Aeronautical U	c	31	4	5				6		
p Northern Arizona U	s	2463	15	14	30	2	8	3	0	8
CALIFORNIA										
p CA Inst of Tech	s	—	3	4	34	14	6	4	0	5
p CA-U of, Berkeley	s	830	33	54	38	4	4	48	0	2
p CA-U of, Los Angeles	c	1316	35	56	43	3	5	39	0	5
p CA-U of, Santa Cruz	s	—	GRADUATE ONLY		45	17	7		0	10
m San Diego State U	s	624	8	15	18	1	8	4	6	
Southern CA-U of (USC)	c	709	1	9				1		
COLORADO										
p CO-U of, Boulder	s	1599	68	138	75	14	17	57	2	8
CONNECTICUT										
m Wesleyan U	s	125	13	9	5	1	2	3	2	
p Yale U	s	334	17	11	27	9	5	5	1	4
DELAWARE										
Delaware-U of	c	—	3	5				4		
DISTRICT OF COLUMBIA										
George Washington U	c	345	0	1				1		
FLORIDA										
Embry-Riddle Aeronautical U	c	162	41	48				23		
p Florida Inst of Tech	c	49	19	34	18	4	5	22	3	1
p Florida-U of	s	734	34	44	37	9	8	16	0	0
GEORGIA										
Agnes Scott Coll	c	53	2	2				6		
p Georgia State U	c	1557	GRADUATE ONLY		34	8	5		0	5
Valdosta State U	c	198	10	4				5		
HAWAII										
Hawaii-U of, Hilo	c	187	14	16				3		
p Hawaii-U of, at Manoa	s	605	10	11	45	4	8	7	1	4
ILLINOIS										
p Chicago-U of	s	203	26	23	36	11	8	22	0	8
p Illinois-U of, Urbana/Champaign	s	2319	35	51	37	11	11	30	1	3
INDIANA										
Ball State U	c	393	5	4				3		
p Indiana U-Bloomington	s	2051	5	21	23	1	4	12	4	8
Valparaiso U	c	120	2	3				1		

INSTITUTION	DEPT TYPE	2021-22 FIRST-TERM INTRODUCTORY ASTRO COURSE	FALL 2022 UNDERGRADUATE MAJORS		FALL 2022 GRADUATE STUDENTS			2021-22 ASTRONOMY DEGREES		
			JR	SR	TOTAL	NON-US CITIZEN	FIRST YEAR	BACHELORS	EXITING MASTERS	PHDS
IOWA										
Drake U	c	200	1	3				1		
<i>p</i> Iowa State U	c	240	GRADUATE ONLY		10	4	0		0	1
<i>m</i> Iowa-U of	c	700	17	9	0	0	0	4	1	
KANSAS										
Benedictine Coll	c	109	3	3				1		
Kansas-U of	c	146	9	13				4		
MARYLAND										
<i>p</i> Johns Hopkins U	c	57	GRADUATE ONLY		41	11	11		1	9
<i>p</i> MD-U of, College Park	s	1448	25	40	45	10	7	17	0	6
MASSACHUSETTS										
<i>p</i> Boston U	s	768	12	22	40	—	10	6	2	4
<i>p</i> Harvard U	s	54	18	27	48	23	6	9	1	10
<i>p</i> MA-U of, Amherst	s	32	19	34	25	9	5	23	3	2
Mount Holyoke Coll	s	305	8	3				11		
Smith Coll	s	162	4	9				9		
Stonehill Coll	c		DATA NOT PROVIDED							
Tufts U	c	336	6	7				6		
Wellesley Coll	s	109	7	10				11		
Williams Coll	s	—	5	5				6		
MICHIGAN										
<i>p</i> Michigan State U	c	740	21	38	21	2	5	13	0	4
<i>p</i> Michigan-U of, Ann Arbor	s	3126	41	39	33	9	6	17	0	5
Wayne State U	c	514	4	1				0		
MINNESOTA										
<i>p</i> Minnesota-U of, Twin Cities	s	1126	8	35	24	3	4	15	0	1
NEVADA										
<i>p</i> Nevada-U of, Las Vegas	c	—	GRADUATE ONLY		15	—	5		8	5
NEW HAMPSHIRE										
Dartmouth Coll	c	147	4	5				1		
NEW JERSEY										
<i>p</i> Princeton U	s	214	11	13	35	18	8	6	0	6
<i>p</i> Princeton U-Forrestal Campus	s	15	GRADUATE ONLY		49	14	11		0	6
NEW MEXICO										
<i>p</i> New Mexico State U	s	550	GRADUATE ONLY		37	6	7		0	2
New Mexico-U of	c	587	19	18				2		
NEW YORK										
Barnard Coll	c		DATA NOT PROVIDED							
Colgate U	c	77	11	4				11		
<i>p</i> Columbia U	s	392	27	18	31	12	5	15	0	6
<i>p</i> Cornell U	s	484	14	9	33	10	5	5	1	2
<i>m</i> Rensselaer Polytech Inst	c	165	GRADUATE ONLY		1	0	1		1	
<i>p</i> Rochester Inst of Tech	c	—	GRADUATE ONLY		46	10	10		2	5

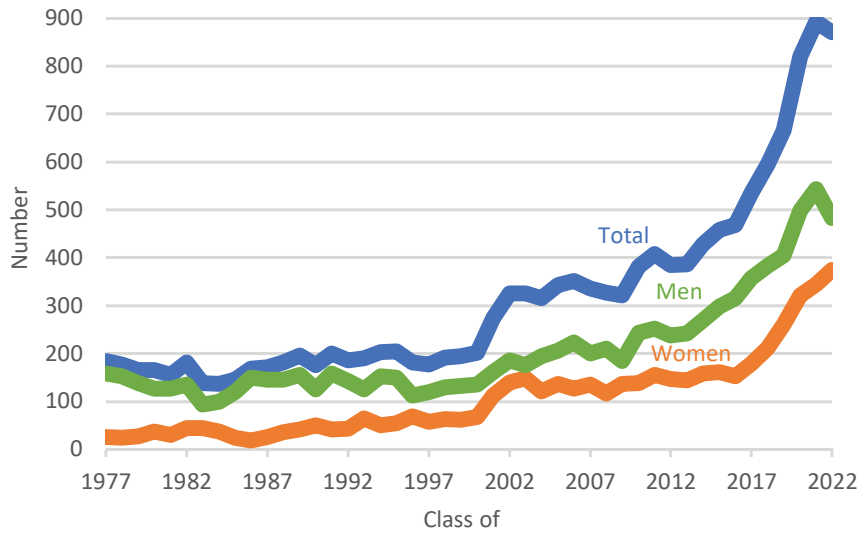
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			JR	SR	TOTAL	NON-US CITIZEN	FIRST YEAR	BACHELORS	EXITING MASTERS	PHDS
NEW YORK CONTINUED										
Rochester-U of	c	101	13	13				13		
SUNY Coll at New Paltz	c	102	7	11				5		
SUNY-Stony Brook U	c	179	17	36				16		
Union Coll	c	38	0	0				1		
Vassar Coll	c	245	1	7				7		
OHIO										
<i>p</i> Case Western Reserve U	s	—	5	8	2	0	0	3	0	0
<i>p</i> Ohio State U	s	2359	44	42	31	3	8	32	1	7
Ohio U	c	390	0	0				0		
Ohio Wesleyan U	c	90	3	2				4		
Toledo-U of	c	969	7	13				10		
Youngstown State U	c	340	3	6				2		
OKLAHOMA										
Oklahoma-U of	c	181	10	29				11		
PENNSYLVANIA										
Franklin & Marshall Coll (Astrophys)	c	46	8	7				4		
Haverford Coll	c	—	9	7				1		
Lycoming Coll	c	20	1	1				2		
<i>p</i> Pennsylvania State U	s	6107	20	28	45	9	11	26	0	13
Pittsburgh-U of	c	1089	11	17				10		
Swarthmore Coll	c	63	3	6				11		
Villanova U	s	416	8	8				8		
SOUTH CAROLINA										
Charleston-Coll of	c	516	11	20				9		
TENNESSEE										
<i>p</i> Vanderbilt U (Astrophys)	c	—	GRADUATE ONLY		19	2	1		0	8
TEXAS										
<i>p</i> Rice U	c	161	4	0	3	1	*	2	1	1
<i>p</i> Texas A&M-College Station	c	1339	GRADUATE ONLY		20	7	5		1	4
<i>p</i> Texas Christian U	c	637	GRADUATE ONLY		7	2	0		0	0
<i>p</i> Texas-U of, at Austin	s	1608	23	45	41	6	7	26	2	5
VIRGINIA										
George Mason U	c	1299	7	4				3		
<i>p</i> Virginia-U of	s	1757	10	20	39	13	9	12	2	2
WASHINGTON										
<i>p</i> Washington-U of	s	2734	21	49	30	4	5	41	0	4
Whitman Coll	s	97	12	12				10		
WISCONSIN										
<i>p</i> Wisconsin-U of, Madison	s	—	5	48	26	5	26	15	3	2
WYOMING										
Wyoming-U of	c	194	13	9				8		

* Rice University's first-year astronomy students are included in the physics roster.

Number of Departments Offering an Astronomy Degree by Highest Astronomy Degree Offered, Classes 1992 through 2022

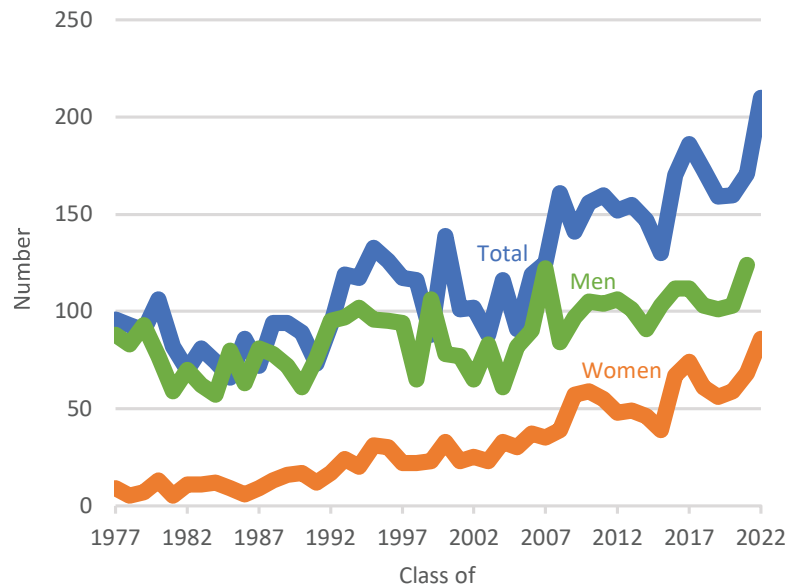


Number of Bachelors Earned in Astronomy, Classes 1977 through 2022



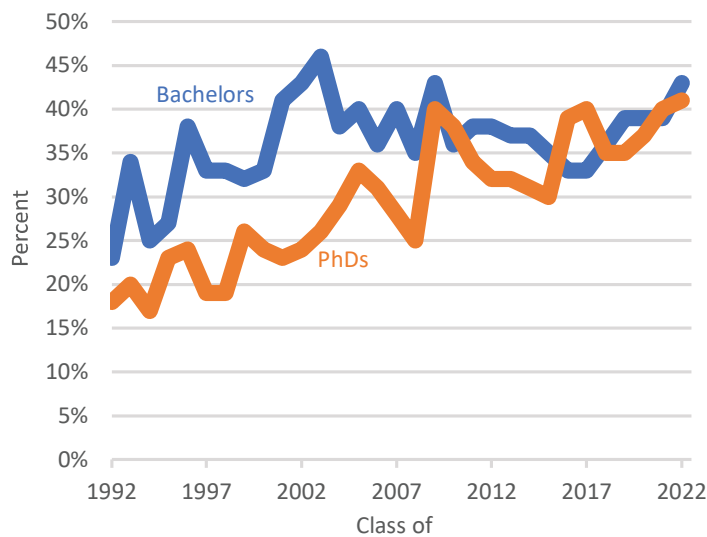
Astronomy departments reported 1% of their astronomy bachelor's degree recipients in the class of 2022 identify as a gender other than man or woman.

Number of Doctorates Earned in Astronomy, Classes 1977 through 2022



Astronomy departments did not report any of their astronomy PhDs in the class of 2022 as having a gender identity other than man or woman.

Percent of Bachelor's Degrees and Doctorates in Astronomy Earned by Women, Classes 1992 through 2022



Astronomy departments reported 1% of their astronomy bachelor's and 0% of their astronomy PhDs in the class of 2022 as having a gender identity other than man or woman.

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Published: September 2023

A product of the Statistical Research Center of the American Institute of Physics
One Physics Ellipse, College Park, MD 20740