

Roster of Astronomy Departments with Enrollment and Degree Data, 2019

Results from the 2019 Survey of Enrollments and Degrees

Starr Nicholson and Patrick J. Mulvey

The number of astronomy bachelor's degrees awarded at US institutions continues rise sharply. There were 666 astronomy bachelor's degrees conferred in the class of 2019, achieving another all-time high. The number of astronomy bachelors conferred has risen 42% from just 4 years earlier and 100% during the last decade (see figure on page 6).

There were 159 astronomy PhDs conferred in the class of 2019. This represents an 8% decline from the class of 2018 and the second year in a row that the number of astronomy PhDs conferred has declined (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 2018-2019	
Bachelors	666
Exiting Masters	28
PhDs	159

Total Astronomy Enrollments Fall 2019	
Juniors	996
Seniors	1,200
1st Year Grad	243
Total Grad	1,277

Number of Departments by Highest Degree Offered Academic Year 2018-2019	
Bachelors	44
Masters	4
PhD	45
Total Departments	93

This roster contains detailed data from the annual Survey of Enrollments and Degrees. The survey was conducted in the fall of 2019 and covers all degree-granting astronomy departments in the United States.

Of the 93 departments, 40 were stand-alone astronomy departments and the remaining 53 are combined physics and astronomy departments. All but 6 of the 93 degree-granting astronomy departments contributed to the data supplied in this year's roster (94%). The totals above and the graphics on pages 6 and 7 include data from responding departments as well as estimated data for the non-responding departments.

Trend in astronomy enrollments and degrees, academic years 2008 to 2020.

Academic Year	Number of astronomy degrees			Undergraduate astronomy major enrollments		Graduate astronomy student enrollments	
	Bachelors	Exiting		Juniors	Seniors	1 st -year	Total
		Masters	PhDs				
2008-09	322	29	141	388	515	215	1,065
2009-10	382	23	156	382	605	193	1,083
2010-11	408	47	160	450	637	202	1,156
2011-12	385	35	152	487	666	224	1,122
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				996	1,200	243	1,277

Notations used in this roster:

<i>m</i>	Masters is the department's highest astronomy degree (N=4).
<i>p</i>	PhD is the department's highest astronomy degree (N=45).
<i>s</i>	The astronomy department is administered <u>separately</u> from the physics department (N=40).
<i>c</i>	This is a <u>combined</u> department, offering degrees in both astronomy and physics (N=53). Data concerning the physics portion of their program can be found in the "Roster of Physics Departments, 2019".
GRADUATE ONLY	Department has no undergraduate program in astronomy (N=11).
FIRST YEAR	This column includes graduate students who were new to the department in the fall of 2019 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.

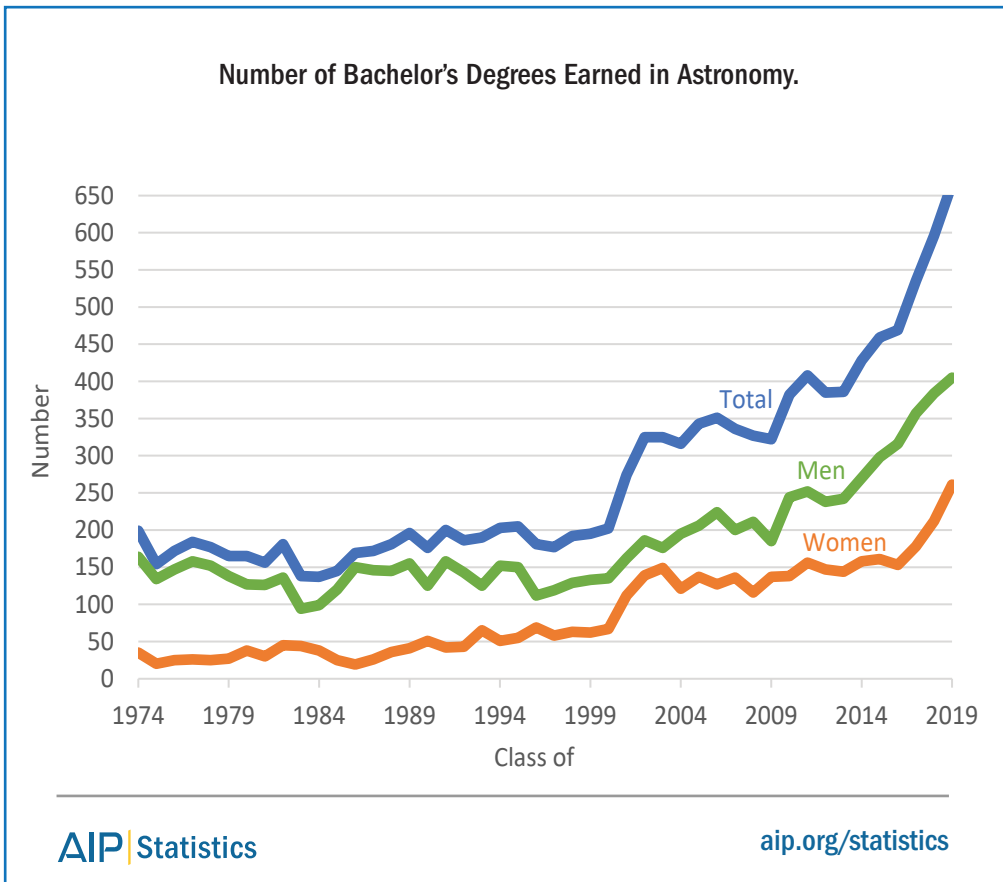
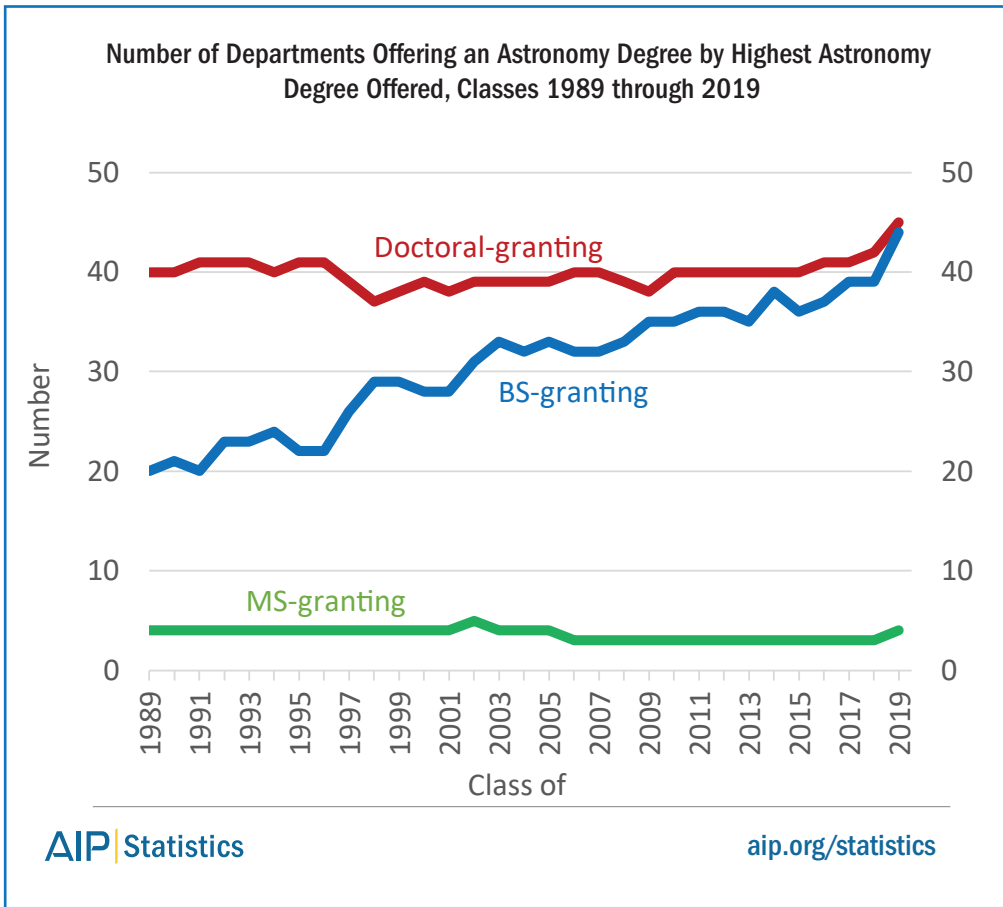
INSTITUTION	DEPT TYPE	2018-19 FIRST-TERM INTRODUCTORY ASTRO COURSE ENROLLMENTS	FALL 2019 UNDERGRADUATE MAJORS		FALL 2019 GRADUATE STUDENTS			2018-19 ASTRONOMY DEGREES		
			JR	SR	TOTAL	FOREIGN	FIRST YEAR	BACHELORS	EXITING MASTERS	PHDS
ARIZONA										
<i>p</i> Arizona State U (Astrophys)	s	2711	47	33	35	6	3	11	1	5
<i>p</i> Arizona-U of	s	943	46	55	49	14	9	13	0	7
<i>p</i> Arizona-U of (Planetary Sci)	s	GRADUATE ONLY			40	11	6		0	5
Embry-Riddle Aeronautical U	c	27	3	2				3		
<i>p</i> Northern Arizona U	s	380	7	11	28	1	6	19	0	0
CALIFORNIA										
<i>p</i> CA Inst of Tech	s	0	3	8	30	—	7	6	1	6
<i>p</i> CA-U of, Berkeley	s	2033	46	57	32	—	9	36	0	8
<i>p</i> CA-U of, Los Angeles	c	1472	44	52	38	8	7	12	0	5
<i>p</i> CA-U of, Santa Cruz	s	1277	GRADUATE ONLY		54	16	11		0	5
<i>m</i> San Diego State U	s	722	10	18	16	2	9	2	8	
Southern CA-U of (USC)	c	702	1	1				2		
COLORADO										
<i>p</i> CO-U of, Boulder	s	DATA NOT PROVIDED								
CONNECTICUT										
<i>m</i> Wesleyan U	s	152	7	4	4	0	2	3	4	
<i>p</i> Yale U	s	271	6	11	25	7	4	3	0	2
DELAWARE										
Delaware-U of	c	DATA NOT PROVIDED								
DISTRICT OF COLUMBIA										
George Washington U	c	491	3	4				0		
FLORIDA										
Embry-Riddle Aeronautical U	c	148	20	24				15		
<i>p</i> Florida Inst of Tech	c	86	33	31	22	5	8	14	1	2
<i>p</i> Florida-U of	s	—	16	25	26	9	9	44	0	3
GEORGIA										
Agnes Scott Coll	c	44	2	2				4		
<i>p</i> Georgia State U	c	908	GRADUATE ONLY		27	5	5		0	8
Valdosta State U	c	259	5	4				1		
HAWAII										
Hawaii-U of, Hilo	c	110	7	7				8		
<i>p</i> Hawaii-U of, at Manoa	s	—	—	—	35	7	7	—	1	5
ILLINOIS										
<i>p</i> Chicago-U of	s	139	21	6	32	12	5	9	0	2
<i>p</i> Illinois-U of, Urbana/Champaign	s	2201	30	63	29	11	2	12	0	4
INDIANA										
Ball State U	c	659	3	0				1		
<i>p</i> Indiana U-Bloomington	s	2341	11	14	23	2	5	14	0	1
Valparaiso U	c	102	5	1				0		

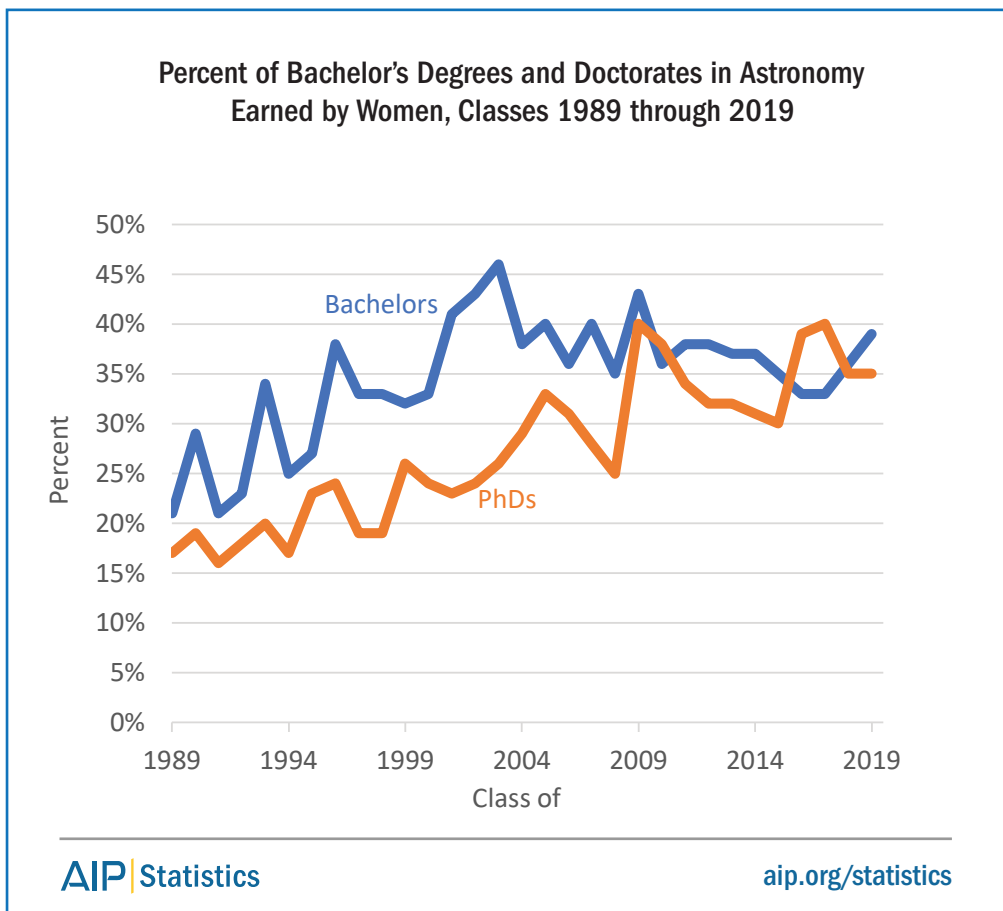
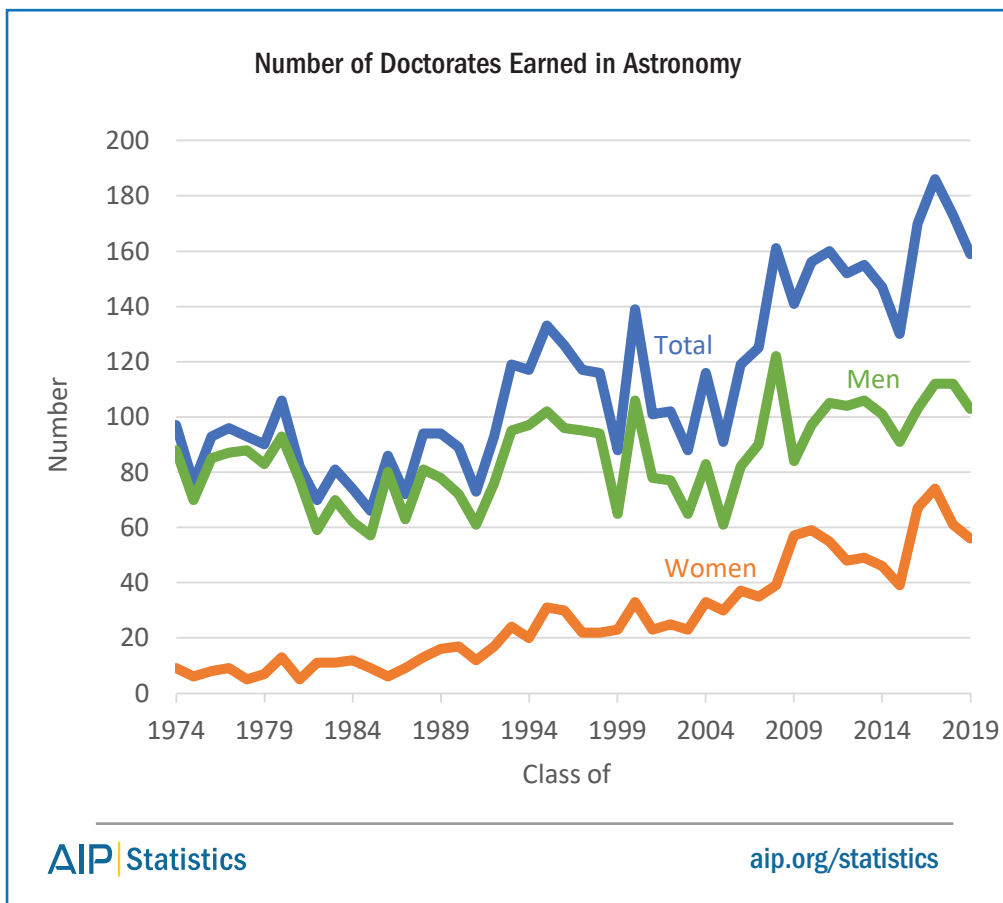
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			JR	SR	TOTAL	FOREIGN	FIRST YEAR	BACHELORS	EXITING MASTERS	PHDS
IOWA										
Drake U	c	480	3	5				2		
<i>p</i> Iowa State U	c	204	GRADUATE ONLY		4	1	0		1	2
<i>m</i> Iowa-U of	c	913	2	11	2	—	1	6	1	
KANSAS										
Benedictine Coll	c	48	3	0				0		
Kansas-U of	c	223	7	11				7		
MARYLAND										
<i>p</i> Johns Hopkins U	c	97	GRADUATE ONLY		27	13	5		0	2
<i>p</i> MD-U of, College Park	s	898	16	18	37	11	0	16	0	5
MASSACHUSETTS										
<i>p</i> Boston U	s	823	16	16	32	—	8	15	0	5
<i>p</i> Harvard U	s	24	10	9	53	14	10	4	0	6
<i>p</i> MA-U of, Amherst	s	907	25	23	21	9	6	18	0	6
Mount Holyoke Coll	s	195	4	2				8		
Smith Coll	s	174	3	7				4		
Stonehill Coll	c		DATA NOT PROVIDED							
Tufts U	c	71	5	2				3		
Wellesley Coll	s	155	4	3				5		
Williams Coll	s	29	0	2				2		
MICHIGAN										
<i>p</i> Michigan State U	c	1258	24	27	19	1	5	13	1	1
<i>p</i> Michigan-U of, Ann Arbor	s	2992	20	22	30	8	5	9	0	7
Wayne State U	c	727	2	2				3		
MINNESOTA										
<i>p</i> Minnesota-U of, Minnpls	s	1051	6	26	18	3	4	16	1	3
NEVADA										
<i>p</i> Nevada-U of, Las Vegas	c		DATA NOT PROVIDED		GRADUATE ONLY					
NEW HAMPSHIRE										
Dartmouth Coll	c	451	0	1				0		
NEW JERSEY										
<i>p</i> Princeton U	s	292	12	9	29	12	5	4	0	3
<i>p</i> Princeton U-Forrestal Campus	s	13	GRADUATE ONLY		45	14	7		0	5
NEW MEXICO										
<i>p</i> New Mexico State U	s	863	GRADUATE ONLY		28	1	7		0	2
New Mexico-U of	c	1185	10	15				6		
NEW YORK										
Barnard Coll	c	69	1	0				0		
Colgate U	c	116	6	6				8		
<i>p</i> Columbia U	s	423	10	12	27	7	3	10	0	7
<i>p</i> Cornell U	s	731	3	9	29	9	5	3	4	5
<i>m</i> Rensselaer Polytech Inst	c	44	0	0	1	0	1	0	0	
<i>p</i> Rochester Inst of Tech	c		GRADUATE ONLY		36	6	9		1	3
Rochester-U of	c	113	11	10				6		
SUNY Coll at New Paltz	c	157	10	7				2		

INSTITUTION	DEPT TYPE	2018-19 FIRST-TERM INTRODUCTORY ASTRO COURSE ENROLLMENTS	FALL 2019 UNDERGRADUATE MAJORS		FALL 2019 GRADUATE STUDENTS			2018-19 ASTRONOMY DEGREES		
			JR	SR	TOTAL	FOREIGN	FIRST YEAR	BACHELORS	EXITING MASTERS	PHDS
NEW YORK CONTINUED										
SUNY-Stony Brook U	c	462	21	25				6		
Union Coll	c	—	2	—				1		
Vassar Coll	c	178	6	3				6		
OHIO										
<i>p</i> Case Western Reserve U	s	183	2	5	4	1	0	6	0	0
<i>p</i> Ohio State U	s	1640	34	40	26	6	5	16	0	6
Ohio U	c	428	0	2				0		
Ohio Wesleyan U	c	86	2	1				1		
Toledo-U of	c	—	2	2				2		
Youngstown State U	c	422	5	7				4		
OKLAHOMA										
Oklahoma-U of	c		DATA NOT PROVIDED							
PENNSYLVANIA										
Franklin & Marshall Coll (Astrophys)	c	50	19	13				12		
Haverford Coll	c	—	—	—				3		
Lycoming Coll	c	—	2	1				3		
<i>p</i> Pennsylvania State U	s	5761	25	12	52	13	5	21	0	4
<i>p</i> Pittsburgh-U of	c	1037	12	13	*	*	*	6	0	0
Swarthmore Coll	c	70	7	5				3		
Villanova U	s	445	11	3				6		
SOUTH CAROLINA										
Charleston-Coll of	c	472	7	14				4		
TENNESSEE										
<i>p</i> Vanderbilt U (Astrophys)	c		DATA NOT PROVIDED							
TEXAS										
<i>p</i> Rice U	c	99	2	5	5	0	**	2	0	0
<i>p</i> Texas A&M-College Station	c	—	GRADUATE ONLY		18	6	4		0	1
<i>p</i> Texas Christian U	c	688	GRADUATE ONLY		0	0	0		0	0
<i>p</i> Texas-U of, at Austin	s	1438	23	50	33	4	7	24	2	4
VERMONT										
Marlboro Coll	c	7	0	0				0		
VIRGINIA										
George Mason U	c	1570	5	7				3		
<i>p</i> Virginia-U of	s	1159	19	16	30	7	4	14	1	2
WASHINGTON										
<i>p</i> Washington-U of	s	2472	41	67	31	3	3	31	0	2
Whitman Coll	s	82	11	5				5		
WISCONSIN										
<i>p</i> Wisconsin-U of, Madison	s	1181	15	46	24	3	4	19	0	3
WYOMING										
Wyoming-U of	c	255	14	16				6		

* U of Pittsburgh - Astronomy graduate enrollment data are incorporated into their physics graduate enrollments listed in the physics roster.

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





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