Fall 2018 Departmental Profile Report

Amanda L. Golbeck, Thomas H. Barr, and Colleen A. Rose

This report presents a digest of information about mathematical and statistical sciences (MSS) departments at four-year colleges and universities in the United States, as of fall 2018. Obtained through a census of these departments, the information presented includes the numbers of faculty in various categories, undergraduate and graduate course enrollments, numbers of bachelor's and master's degrees awarded during the preceding year, and the numbers of graduate students. Definitions of categorized terms such as "Mathematical and Statistical Sciences," "Math," and "Stats," along with a description of the faculty categories are provided at the end of this report. Throughout this report we cite tables in [1] as a resource for much more detail than is provided here.
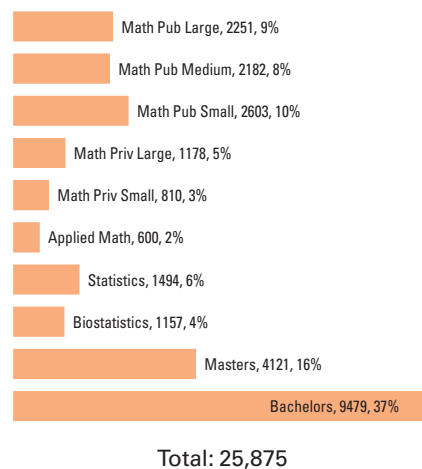
Faculty

The estimated number of full-time faculty in MSS for fall 2018 is 25,875 (SE = 236). Figure F.1 gives a breakdown by department grouping. Of these, 90%, 23,224 (SE =195), were in Math and 10%, 2,651 (SE = 55), were in Stats. Approximately 22,265 of full-time faculty hold a doctorate (doctoral faculty, in this report). As a percentage, this group's size has varied only by one or two percentage points from the 86% for the fall 2018 survey. In Math, there were an estimated 8,290 part-time faculty, and in Stats, about 289. These figures are broken down in a variety of ways in Table F.1 of [1].

In the five years following 2013, the full-time faculty count estimate has increased slightly by an average of about 1% per year, with Math and Stats growing on average, respectively, by roughly 1% and 2% annually.

Employment Status, Credentials, and Gender

- The full-time faculty hold 13,371 tenured, 3,813 tenure-eligible, and 8,691 non-tenure-track appointments; of these counts, Stats faculty account for 1,176 tenured, 535

Figure F.1. Full-time Faculty by Department Grouping

Math Pub Large, 2251, 9%
Math Pub Medium, 2182, 8%
Math Pub Small, 2603, 10%
Math Priv Large, 1178, 5%
Math Priv Small, 810, 3%
Applied Math, 600, 2%
Statistics, 1494, 6%
Biostatistics, 1157, 4%
Masters, 4121, 16%
Bachelors, 9479, 37%

Total: 25,875

tenure-eligible, and 940 non-tenure-track appointments. The non-tenure-track estimate breaks down into 1,607 postdocs, 5,826 renewable, 1,062 fixed-term, and 196 other appointments.

- The estimated number of full-time doctoral faculty in MSS is 22,265 (SE = 94), of whom 19,774 are in Math and 2,491 in Stats. These values are up, respectively, by 2% and 11% from the fall 2017 estimates. In a breakdown of this overall count by tenure status and eligibility, there are an estimated 13,118 tenured, 3,718 tenure-eligible, and 5,429 non-tenure-eligible faculty. Figure F.2 gives further breakdowns by department groupings in these categories.

- There are an estimated 3,610 full-time non-doctoral faculty, of whom 3,450 are in Math and 160 in Stats. Figure F.3 shows the distribution of these faculty among the department groups. This count is about 5% lower than that for fall 2017, and the estimated number of

Amanda L. Golbeck is associate dean for academic affairs and professor of biostatistics in the Fay W. Boozman College of Public Health at University of Arkansas for Medical Sciences. Thomas H. Barr is AMS special projects officer. Colleen A. Rose is AMS survey analyst.

ANNUAL SURVEY

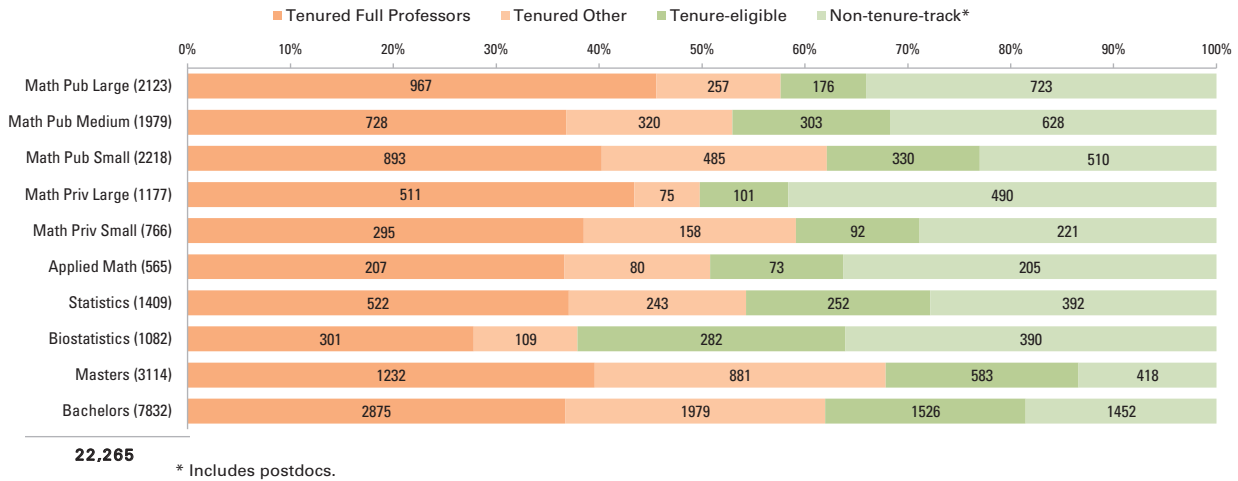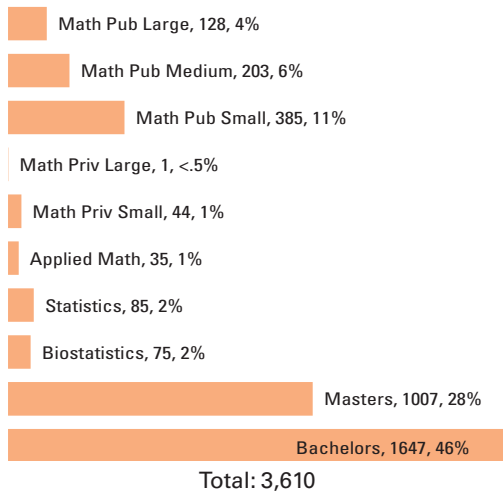**Figure F.2.** Full-time Doctoral Faculty, Fall 2018 by Department Grouping and Faculty Category

Legend: Tenured Full Professors · Tenured Other · Tenure-eligible · Non-tenure-track*

Department Grouping	Tenured Full Professors	Tenured Other	Tenure-eligible	Non-tenure-track*
Math Pub Large (2123)	967	257	176	723
Math Pub Medium (1979)	728	320	303	628
Math Pub Small (2218)	893	485	330	510
Math Priv Large (1177)	511	75	101	490
Math Priv Small (766)	295	158	92	221
Applied Math (565)	207	80	73	205
Statistics (1409)	522	243	252	392
Biostatistics (1082)	301	109	282	390
Masters (3114)	1232	881	583	418
Bachelors (7832)	2875	1979	1526	1452

22,265

* Includes postdocs.

Figure F.3. Full-time Non-doctoral Faculty by Department Grouping

- Math Pub Large, 128, 4%
- Math Pub Medium, 203, 6%
- Math Pub Small, 385, 11%
- Math Priv Large, 1, <.5%
- Math Priv Small, 44, 1%
- Applied Math, 35, 1%
- Statistics, 85, 2%
- Biostatistics, 75, 2%
- Masters, 1007, 28%
- Bachelors, 1647, 46%

Total: 3,610

tenured faculty in this category is 253, which extends a declining trend.

- In addition to full-time faculty, there are an estimated 8,579 faculty who have part-time appointments, 2,302 of whom hold a PhD and 6,277 of whom do not. These figures include those who are hired term-by-term and paid by the course. Overwhelmingly, these faculty are in Math departments. The fall 2018 count is the highest among the years 2014 to 2018, where it has fluctuated from a low of 7,889 in 2017. See Table F.1 in [1] for more details on counts.
- Women account for 32% of all full-time faculty (8,348) in MSS. Among faculty in Doctoral Math departments, women account for 24%, in Masters and Bachelors departments, they account for 37%, and in Stats departments they account for 36%. Table F.2 in [1] provides detailed breakdowns of these numbers and percentages. Figure F.4 gives the distributions of full-time doctoral women faculty in the department groupings.

Figure F.4. Full-time Doctoral Women Faculty by Department Grouping and Faculty Category
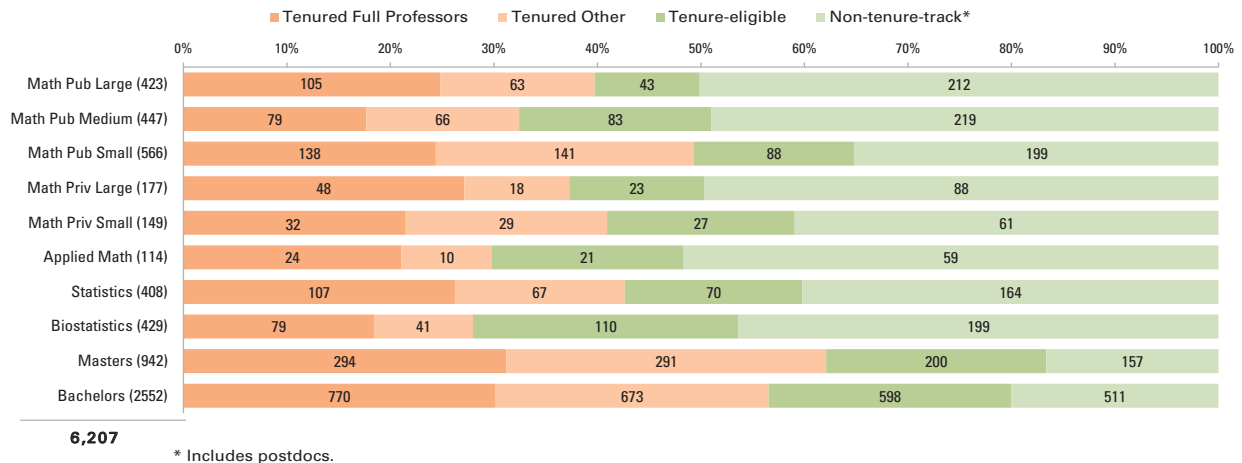
Legend: Tenured Full Professors · Tenured Other · Tenure-eligible · Non-tenure-track*

Department Grouping	Tenured Full Professors	Tenured Other	Tenure-eligible	Non-tenure-track*
Math Pub Large (423)	105	63	43	212
Math Pub Medium (447)	79	66	83	219
Math Pub Small (566)	138	141	88	199
Math Priv Large (177)	48	18	23	88
Math Priv Small (149)	32	29	27	61
Applied Math (114)	24	10	21	59
Statistics (408)	107	67	70	164
Biostatistics (429)	79	41	110	199
Masters (942)	294	291	200	157
Bachelors (2552)	770	673	598	511

6,207

* Includes postdocs.

Figure F.5. Gender of Full-time Faculty

Legend: Men w/ PhD | Women w/ PhD | Other w/PhD | Men w/o PhD | Women w/o PhD | Other w/o PhD

Department	Men w/ PhD	Women w/ PhD	Other w/PhD	Men w/o PhD	Women w/o PhD	Other w/o PhD
Doctoral Math (9624)	6950	1876	2	331	464	1
Statistics/Biostatistics (2651)	1653	837	1	53	107	
Masters (4121)	2172	942		420	586	1
Bachelors (9479)	5277	2552	3	663	984	

25,875
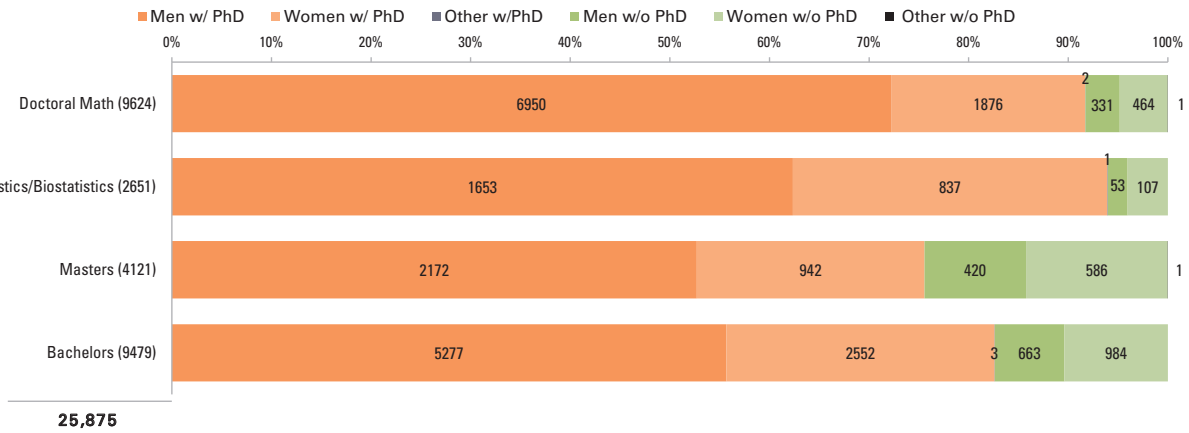
Figure F.6. Gender Identity of Department Chairs by Department Grouping

Men = 1,060   Women = 402

Men	Department	Women
17	Applied Math	8
17	Math Priv Large	7
22	Math Priv Small	6
22	Math Pub Large	4
33	Math Pub	7
34	Biostatistics	9
48	Statistics	12
54	Math Pub Small	16
125	Masters	43
688	Bachelors	290

Total: 1,461*
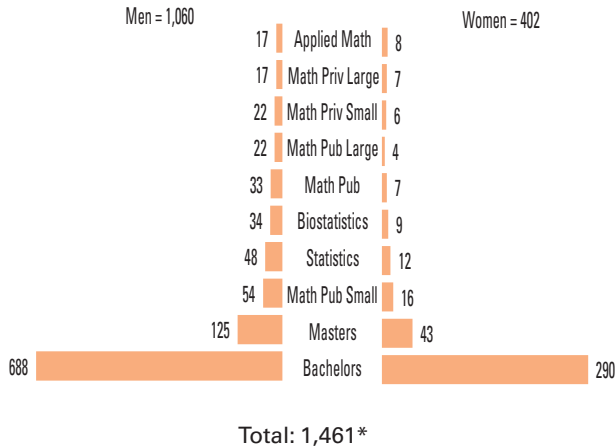
*The gender identity for 42 additional department chairs is unknown.
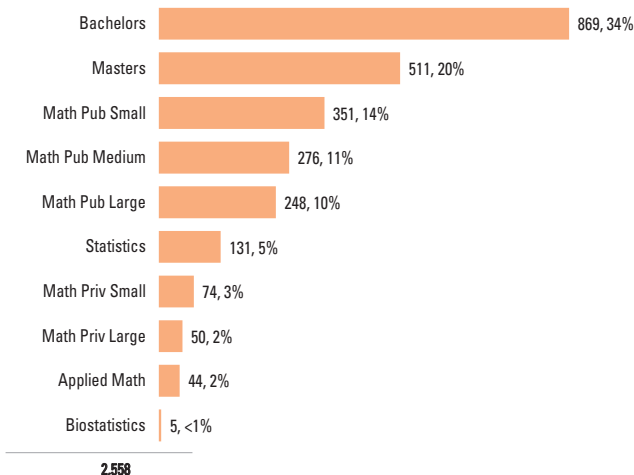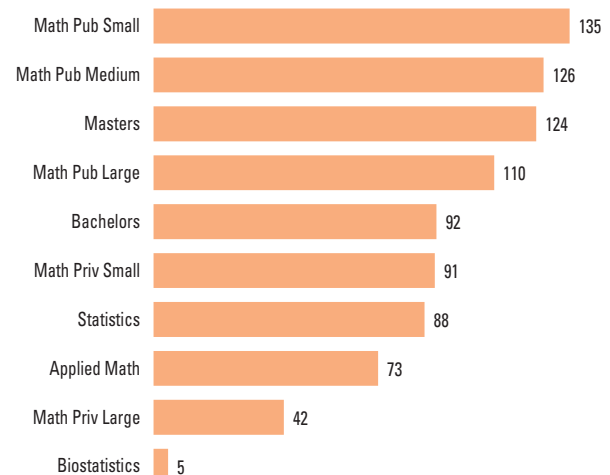
This figure is based on Tables FF.1, FF.2, FF.3, and FF.4 in [1].

- Forty-two percent of part-time faculty are women; Table F.3 in [1] gives a breakdown by gender among part-time faculty.
- Of the chairpersons in the 1,504 MSS departments covered by this survey, approximately 27% are women. Figure F.6 shows the gender distribution of chairperson counts by department groupings. Seventy-two percent of all women chairs are in bachelors-granting departments.

Undergraduate Course Enrollments and Degrees

- The 2018 estimate of total undergraduate enrollments in MSS courses is 2,558,000 (SE = 32,000). Figure UE.1 gives a sorted breakdown of this number by department grouping. A 90% confidence interval based on these data is approximately [2506000, 2610000]. In the years 2013 to 2018, the enrollment estimate has varied from a low of 2,460,000 in 2013, and the corresponding confidence

Figure UE.1. Undergraduate Course Enrollments (thousands) by Department Grouping, Fall 2018

Department	Enrollment
Bachelors	869, 34%
Masters	511, 20%
Math Pub Small	351, 14%
Math Pub Medium	276, 11%
Math Pub Large	248, 10%
Statistics	131, 5%
Math Priv Small	74, 3%
Math Priv Large	50, 2%
Applied Math	44, 2%
Biostatistics	5, <1%

2,558

Figure UE.2. Undergraduate Course Enrollment per Full-time Faculty Member, by Department Grouping, Fall 2018

Department	Enrollment
Math Pub Small	135
Math Pub Medium	126
Masters	124
Math Pub Large	110
Bachelors	92
Math Priv Small	91
Statistics	88
Applied Math	73
Math Priv Large	42
Biostatistics	5

Figure UD.1. Undergraduate Degrees Awarded by Major and Department Grouping (Degrees awarded between July 1, 2017 and June 30, 2018)
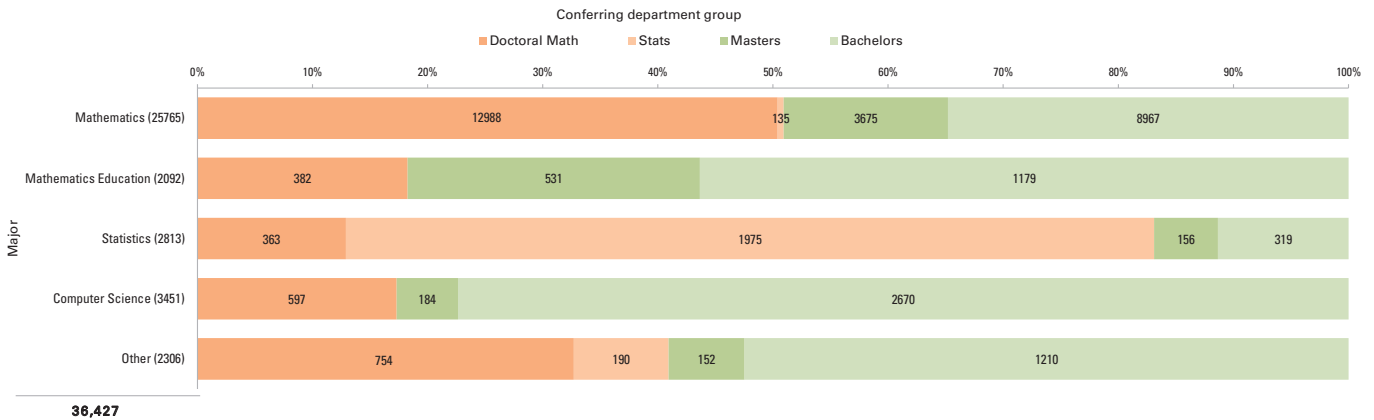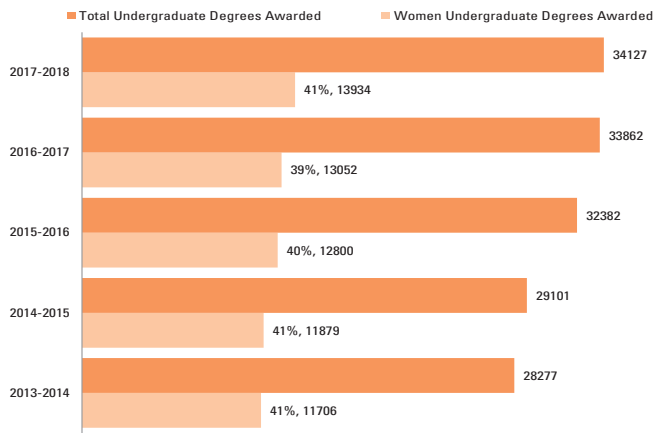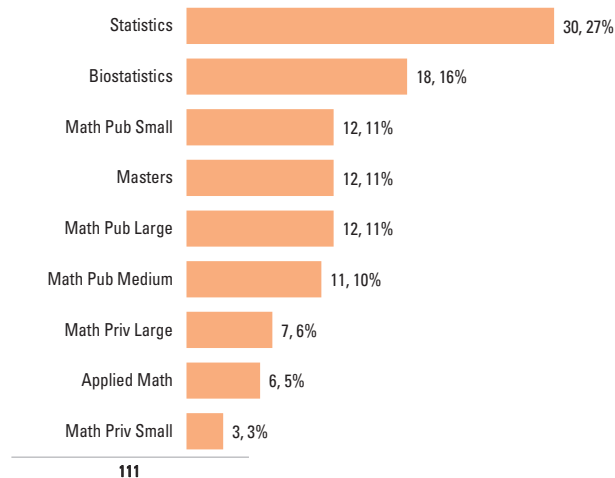

Figure UD.2. Undergraduate Degrees Awarded,[1] 2012–2017, All Mathematics Departments

[1] Degrees awarded between July 1 and June 30.
[2] Due to the finer detail being collected on majors, it's possible departments have reported degrees not reported in the past.
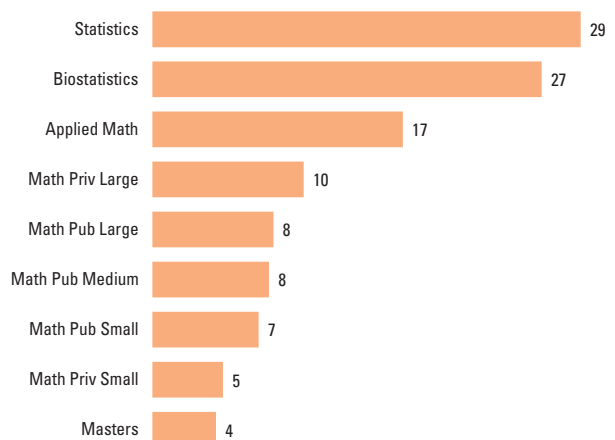
interval for that year is non-overlapping with the one for 2018, suggesting that the slight increasing trend in these values over five years is real.

- For the period 2017–18, an estimated 36,427 (SE = 689) bachelors degrees were awarded in MSS departments, up about 2% from 2016–17. Of these, 14,883 (41%) were earned by women, a percentage that continues a trend of increases shown in Figure UD.2. Thirty-six majors were non-binary identifying. Figure UD.1 gives a breakdown for 2018 by conferring department group of the particular majors associated with these degrees. Tables UD.1 and UD.2 in [1] provide further details.

Graduate Course Enrollment

The estimated total number of graduate course enrollments for 2018 is 111,000 (SE = 5,000). In 2012, these enrollments were 106,000 (SE = 3,000), and in the intervening years the estimates have trended upward, suggesting overall average annual growth of about 2%. Figure GE.1 gives

Figure GE.1. Graduate Course Enrollments (thousands) by Department Grouping, Fall 2018

Figure GE.2. Graduate Course Enrollment per Full-time Tenured & Tenure-eligible Faculty Member, by Department Grouping, Fall 2018

Masters Degrees Awarded

For the period 2017–2018, the estimated number of masters degrees awarded in MS departments is 7,336 (SE = 240), a slight increase from the 2016–2017 estimate of 7,246. Of these, 3,150 or 48% were earned by women, a 7% increase from the 2016–2017 estimate consisting of 2,944. In Math departments, the estimated number of masters degrees awarded is 4,731, a count estimate consisting of 3,278 Math degrees, 375 Math Ed degrees, 623 Statistics-only degrees, 175 Computer Science-only degrees, and 280 other degrees. Approximately 1,894 of these are earned by women.

Figure MD.1 shows the distribution by major, department grouping, and gender. Figure MD.2 gives a longitudinal view of degree counts and percentages of women recipients.

a breakdown for this total among the departments with graduate programs, and Figure GE.2 shows estimates for graduate enrollments per full-time tenured and tenure-eligible faculty.

Highlights of Masters Degrees:
- 39% (2,878) of masters degrees were in statistics.
- 22% (1,648) of masters degrees were awarded by Masters departments, 29% (2,161) by Statistics, and 3% (207) by Math Priv Small.
- 46% (3,375) of masters degrees represented were awarded in mathematics.
  - 33% (1,101) of these were awarded by Masters departments.
  - 40% (442) of degrees awarded by Masters departments were to women.
- 5% (375) of masters degrees were in mathematics education.
  - 67% (253) of these were awarded by Masters departments.
  - Women earned 65% (165) of all mathematics education degrees in master's departments.

Figure MD.1. Masters Degrees Awarded by Major and Department Grouping (Degrees awarded between July 1, 2017 and June 30, 2018)
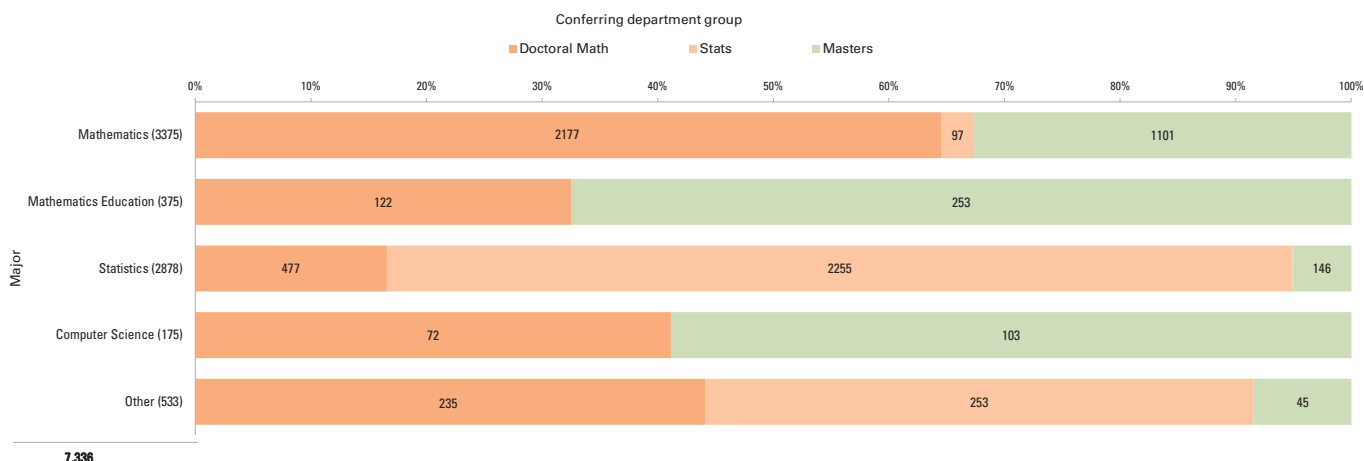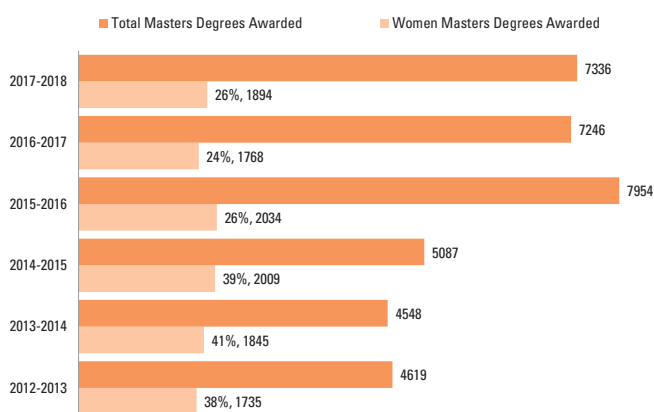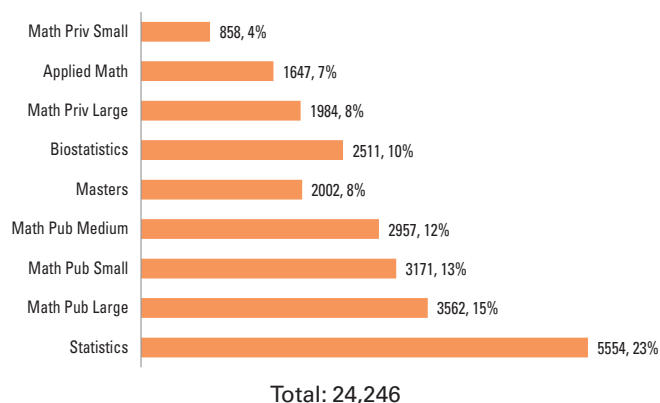

Figure MD.2. Masters Degrees Awarded,[1] 2013–2018, All Mathematics Departments

Figure GS.1. Graduate Students by Department Grouping, Fall 2018

[1] Degrees awarded between July 1 and June 30.

Table GS.2. Full-time Graduate Students in All Doctoral Math Groups Combined by Gender and Citizenship, Fall 2009–2018

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Total full-time graduate students	**11286**	**13048**	**12514**	**12684**	**12961**	**13023**	**13431**	**13702**	**13896**	**14179**
Women	3248	3839	3773	3771	3969	3925	4039	4146	4233	4201
% Women	29%	29%	30%	30%	31%	30%	30%	30%	30%	30%
% US Citizen & Permanent Residents[1]	56%	57%	56%	54%	53%	55%	53%	52%	52%	51%
% Underrepresented minorities[2]	9%	11%	8%	8%	9%	11%	15%	13%	13%	14%
Total full-time first-year graduate students	**3040**	**3313**	**3288**	**3394**	**3623**	**3551**	**3646**	**3704**	**3701**	**3698**
Women	904	1019	1077	1036	1205	1193	1188	1200	1279	1237
% Women	30%	31%	33%	31%	33%	34%	33%	32%	35%	33%
% US Citizen & Permanent Residents[1]	55%	51%	50%	54%	53%	55%	53%	52%	52%	51%
% Underrepresented minorities[2]	9%	9%	9%	7%	10%	13%	14%	12%	14%	14%

[1] Starting with 2014 departments were asked to report US citizen and permanent resident counts together. All percentages prior to 2014 have been updated to allow for comparison with previous years data.

[2] Prior to 2014 these counts only included US Citizens. Underrepresented minorities includes any person having origins within the categories American Indian or Alaska Native, Black or African American, Hispanic or Latino, and Native Hawaiian or Other Pacific Islander.

Graduate Students

In fall 2018, the total number of full-time graduate students is estimated at 24,246, with 16,181 in Math (essentially unchanged from 16,285 in fall 2017) and 8,065 in Stats. Figure GS.1 gives a breakdown by department grouping. The total number of full-time graduate students in Doctoral Math departments is 14,179 (from 13,896). Table GS.2 provides insight into longer-term trends in characteristics of graduate student in doctorate-granting departments.

Features of full-time graduate student data:
- Women account for 36% of full-time graduate students and 40% of full-time first-year graduate students.
- US citizen and permanent resident graduate students is essentially unchanged at 11,517 (from 11,587 in fall 2017).
- Underrepresented minorities accounted for 13% of US citizen and permanent resident graduate students and 12% of first-year graduate students. Women compose 34% and 33%, respectively, of these categories.

Features of part-time graduate student data:
- The overall count increased slightly to 4,758.
- Underrepresented minorities account for 9% of these students, down from 13% in fall 2017.

Faculty Categories

The faculty categories used in this report are described below. Departments were asked to report any faculty member who was considered to be full-time in the institution for the academic year and at least half-time in the department. Each faculty member was reported in exactly one of these categories.

Tenure-track faculty includes full-time faculty who hold tenured/tenure-eligible positions (i.e., only those individuals who are tenured full professors, other tenured and tenure-eligible faculty).

Postdoctoral faculty includes full-time faculty who have teaching and/or research responsibilities, but for a strictly limited term of employment (i.e., those individuals who hold a temporary position primarily intended to provide

an opportunity to continue training or to further research experience).

Non-tenure-track faculty includes full-time faculty eligible for benefits and with an appointment that lasts at least one academic year. These faculty hold appointments that are renewable (potentially unlimited), fixed-term but not renewable, or temporary. Typical titles for these positions are Lecturer, Senior Lecturer, Instructor, Senior Instructor, Associate/Assistant/Full Teaching Professor, Professor of the Practice, or Clinical Professor, and similar titles for research-only faculty.

Part-time faculty includes those individuals who are hired term-by-term, paid by the course, and/or those in phased retirement.

Remarks on Statistical Procedures

The questionnaire on which this report is based, "Departmental Profile," is sent to all Doctoral, Masters, and Bachelors departments in the US.

Response rates vary substantially across the different department groups. For most of the data collected on the Departmental Profile form, the year-to-year changes in a given department's data are small when compared to the variations among the departments within a given group. As a result of this, the most recent prior year's response is used (imputed) if deemed suitable. After the inclusion of prior responses, standard adjustments for the remaining nonresponses are then made to arrive at the estimates reported for the entire grouping.

Standard errors were calculated for some of the key estimates for the Doctoral Math Group (Math Public, Math Private, and Applied Math), and for the Masters, Bachelors, Statistics, and Biostatistics Groups. Standard errors are calculated using the variability in the data and can be used to measure how close our estimate is to the true value for the population. As an example, the number of full-time faculty in the Masters Group is estimated at 4,121 with a standard error of 94. This means the actual number of full-time faculty in the Masters Group is most likely between 4,121 plus or minus two standard errors, or

between 3,933 and 4,309. This is much more informative than simply giving the estimate of 4,121.

Estimates are also given for parameters that are totals from all groups, such as the total number of full-time faculty. For example, an estimate of the total number of full-time faculty in all groups except Statistics and Biostatistics combined is 23,224, with a standard error of 195.

The careful reader will note that a row or column total may differ slightly from the sum of the individual entries. All table entries are the rounded values of the individual projections associated with each entry, and the differences are the result of this rounding (as the sum of rounded numbers is not always the same as the rounded sum).

References

[1] A. Golbeck, T. Barr, and C. Rose, Fall 2018 Departmental Profile Report, with Tables, *www.ams.org/annual-survey/2018Survey-DepartmentalProfile-Report.pdf.*

Department Groupings

In this report, *Mathematical and Statistical Sciences* departments are those in four-year institutions in the US that refer to themselves with a name that incorporates (with a few exceptions) "Mathematics" or "Statistics" in some form. For instance, the term includes, but is not limited to, departments of "Mathematics," "Mathematical Sciences," "Mathematics and Statistics," "Mathematics and Computer Science," "Applied Mathematics," "Statistics," and "Biostatistics." Also, *Mathematics (Math)* refers to departments that (with exceptions) have "Mathematics" in the name; *Stats* refers to departments that incorporate (again, with exceptions) "Statistics" or "Biostatistics" in the name but do not use "Mathematics."

Listings of the actual departments that comprise these groups are available on the AMS website at *www.ams.org/annual-survey/groupings.*

Survey Response Rates by Grouping

Group	Number	Percent	Imputed[1]
Math Public Large	26 of 26	100%	4
Math Public Medium	37 of 40	93%	6
Math Public Small	65 of 70	93%	12
Math Private Large	21 of 24	88%	4
Math Private Small	25 of 28	89%	7
Applied Math	24 of 26[2]	92%	4
Statistics	47 of 60	78%	10
Biostatistics	33 of 45[2]	73%	5
Masters	98 of 171	57%	26
Bachelors	571 of 1,014	56%	233
Total	947 of 1,504	63%	301

[1]See paragraph two under 'Remarks on Statistical Procedures.'

[2]The populations for Applied Math and Biostatistics are slightly less than for the Doctorates Granted Survey because some programs do not formally "house" faculty, teach undergraduate courses, or award undergraduate degrees.

A department is in Group...	...when its subject area, highest degree offered, and PhD production rate is *p*
Math Public Large	Math PhD, $7.0 \leq p$
Math Public Medium	Math PhD, $3.9 \leq p < 7.0$
Math Public Small	Math PhD, $p < 3.9$
Math Private Large	Math PhD, $3.9 \leq p$
Math Private Small	Math PhD, $p < 3.9$
Applied Math	Applied mathematics, PhD
Statistics	Statistics, PhD
Biostatistics	Biostatistics, PhD
Masters	Math, masters
Bachelors	Math, bachelors
Doctoral Math	Math Public, Math Private, & Applied Math
Stats or Stat/Biostat	Statistics & Biostatistics
Math	All groups except Statistics & Biostatistics

Acknowledgments

Mathematical and Statistical Sciences Annual Survey

www.ams.org/annual-survey

Table DF.1: Doctoral Full-Time Faculty, Fall 2018

Full-time Faculty	GROUP												Totals			
	All Doctoral Math Combined			Masters			Bachelors			Statistics & Biostatistics			Totals			
	Men	Women	Other	Men	Women	Other	Men	Women	Other	Men	Women	Other	ALL	Men	Women	Other
With a Doctorate	6950	1876	2	2172	942	0	5277	2552	3	1653	837	1	22265	16052	6207	6
Tenured	4223	753	0	1528	585	0	3411	1443	0	881	294	0	13118	10043	3075	0
Full Professors	3175	426	0	938	294	0	2105	770	0	637	186	0	8531	6855	1676	0
Other	1048	327	0	590	291	0	1306	673	0	244	108	0	4587	3188	1399	0
Tenure-eligible (without tenure)	790	285	0	383	200	0	928	598	0	354	180	0	3718	2455	1263	0
Non-tenure-track	1937	838	2	261	157	0	938	511	3	418	363	1	5429	3554	1869	6
Postdoctoral appointments	1001	259	1	17	9	0	62	39	0	149	70	0	1607	1229	377	1
Renewable appointments	785	509	1	176	122	0	666	399	3	247	282	1	3191	1874	1312	5
Fixed-term appointments	135	65	0	55	24	0	180	64	0	21	10	0	554	391	163	0
Other appointments	16	5	0	13	2	0	30	9	0	1	1	0	77	60	17	0

Mathematical and Statistical Sciences Annual Survey

www.ams.org/annual-survey

Table F.1
Total Faculty, Fall 2018

	Math Public Large	Math Public Medium	Math Public Small	Math Private Large	Math Private Small	Applied Math	All Doctoral Math	Masters	Bachelors	All Math	Statistics	Biostatistics	Statistics & Biostatistics Combined	Total All Groups
Total full-time faculty	**2251**	**2182**	**2603**	**1178**	**810**	**600**	**9624**	**4121**	**9479**	**23224**	**1494**	**1157**	**2651**	**25875**
Standard error	*43*	*22*	*49*	*25*	*25*	*31*	*83*	*94*	*149*	*195*	*48*	*55*	*55*	*236*
Tenured	1224	1050	1389	587	453	287	4990	2156	5049	12195	765	411	1176	13371
Full Professors	967	729	899	511	295	207	3608	1235	2936	7779	522	302	824	8603
Other	257	321	490	76	158	80	1382	921	2113	4416	243	109	352	4768
Tenure-eligible (without tenure)	176	303	330	101	92	75	1077	594	1607	3278	252	283	535	3813
Non-tenured-track	851	829	884	490	265	238	3557	1371	2823	7751	477	463	940	8691
Postdoctoral appointments	398	240	101	375	75	72	1261	26	101	1388	133	86	219	1607
Renewable appointments	404	489	687	96	149	152	1977	989	2188	5154	299	373	672	5826
Fixed-term appointments	38	99	94	16	39	8	294	280	444	1018	44	0	44	1062
Other appointments	11	1	2	3	2	6	25	76	90	191	1	4	5	196
Doctoral full-time faculty	**2123**	**1979**	**2218**	**1177**	**766**	**565**	**8828**	**3114**	**7832**	**19774**	**1409**	**1082**	**2491**	**22265**
Standard error	*37*	*20*	*47*	*25*	*24*	*30*	*24*	*52*	*66*	*88*	*45*	*46*	*46*	*94*
Tenured	1224	1048	1378	586	453	287	4976	2113	4854	11943	765	410	1175	13118
Full Professors	967	728	893	511	295	207	3601	1232	2875	7708	522	301	823	8531
Other	257	320	485	75	158	80	1375	881	1979	4235	243	109	352	4587
Tenure-eligible (without tenure)	176	303	330	101	92	73	1075	583	1526	3184	252	282	534	3718
Non-tenured-track	723	628	510	490	221	205	2777	418	1452	4647	392	390	782	5429
Postdoctoral appointments	398	240	101	375	75	72	1261	26	101	1388	133	86	219	1607
Renewable appointments	293	337	341	96	107	121	1295	298	1068	2661	227	303	530	3191
Fixed-term appointments	23	50	67	16	37	7	200	79	244	523	31	0	31	554
Other appointments	9	1	1	3	2	5	21	15	39	75	1	1	2	77
Nondoctoral full-time faculty	**128**	**203**	**385**	**1**	**44**	**35**	**796**	**1007**	**1647**	**3450**	**85**	**75**	**160**	**3610**
Standard error	*10*	*8*	*18*	*3*	*5*	*7*	*24*	*52*	*66*	*88*	*6*	*52*	*17*	*94*
Tenured	0	2	11	1	0	0	14	43	195	252	0	1	1	253
Full Professors	0	1	6	0	0	0	7	3	61	71	0	1	1	72
Other	0	1	5	1	0	0	7	40	134	181	0	0	0	181
Tenure-eligible (without tenure)	0	0	0	0	0	2	2	11	81	94	0	1	1	95
Non-tenured-track	128	201	374	0	44	33	780	953	1371	3104	85	73	158	3262
Renewable appointments	111	152	346	0	42	31	682	691	1120	2493	72	70	142	2635
Fixed-term appointments	15	49	27	0	2	1	94	201	200	495	13	0	13	508
Other appointments	2	0	1	0	0	1	4	61	51	116	0	3	3	119
Total part-time faculty	**180**	**418**	**493**	**52**	**123**	**111**	**1377**	**2182**	**4731**	**8290**	**135**	**154**	**289**	**8579**
Standard error	*0*	*22*	*21*	*6*	*10*	*11*	*34*	*167*	*164*	*237*	*13*	*37*	*37*	*245*
Doctoral	**94**	**159**	**149**	**44**	**77**	**52**	**575**	**353**	**1157**	**2085**	**96**	**121**	**217**	**2302**
Faculty with benefits received	65	70	41	5	29	15	225	187	194	606	34	5	39	645
Other part-time faculty	24	74	94	37	41	34	304	126	912	1342	56	108	164	1506
Phased Retirements	5	15	14	2	7	3	46	40	51	137	6	8	14	151
Nondoctoral	**86**	**259**	**344**	**8**	**46**	**59**	**802**	**1829**	**3574**	**6205**	**39**	**33**	**72**	**6277**
Faculty with benefits received	52	172	98	1	5	8	336	547	617	1500	20	9	29	1529
Other part-time faculty	34	86	245	7	41	51	464	1255	2920	4639	19	24	43	4682
Phased Retirements	0	1	1	0	0	0	2	27	37	66	0	0	0	66

Mathematical and Statistical Sciences Annual Survey

www.ams.org/annual-survey

Table F.2

Summary of Full-Time and Part-Time Faculty, Fall 2018

	GROUP									Total		
	All Doctoral Math Combined			Masters & Bachelors			Statistics & Biostatistics			Total		
	Men	Women	Other	Men	Women	Other	Men	Women	Other	Men	Women	Other
Full-time faculty	**7281**	**2340**	**3**	**8532**	**5064**	**4**	**1706**	**944**	**1**	**17519**	**8348**	**8**
Percentage	*76%*	*24%*	*0%*	*63%*	*37%*	*<1%*	*64%*	*36%*	*0%*	*68%*	*32%*	*<1%*
Doctoral full-time faculty	6950	1876	3	7449	3494	3	1653	837	1	16052	6207	7
Percentage	*79%*	*21%*	*0%*	*68%*	*32%*	*<1%*	*66%*	*34%*	*0%*	*72%*	*28%*	*<1%*
Tenured	4223	753	-	4939	2028	-	881	294	-	10043	3075	-
Percentage	*85%*	*15%*	*-*	*71%*	*29%*	*-*	*75%*	*25%*	*-*	*77%*	*23%*	*-*
Tenure-eligible (without tenure)	790	285	-	1311	798	-	354	180	-	2455	1263	-
Percentage	*73%*	*27%*	*-*	*62%*	*38%*	*-*	*66%*	*34%*	*-*	*66%*	*34%*	*-*
Non-tenure-track*	1937	838	3	1199	668	3	418	363	1	3554	1869	7
Percentage	*70%*	*30%*	*0%*	*64%*	*36%*	*<1%*	*53%*	*46%*	*0%*	*65%*	*34%*	*<1%*
Nondoctoral full-time faculty	331	464	2	1083	1570	1	53	107	-	1467	2141	3
Percentage	*42%*	*58%*	*0%*	*41%*	*59%*	*<1%*	*33%*	*67%*	*-*	*41%*	*59%*	*<1%*
Tenured	6	8	-	135	102	1	1	-	-	142	110	1
Precentage	*43%*	*57%*	*-*	*57%*	*43%*	*<1%*	*100%*	*-*	*-*	*56%*	*43%*	*<1%*
Tenure-eligible (without tenure)	1	<1%	-	58	34	-	1	-	-	60	35	-
Percentage	*50%*	*50%*	*-*	*63%*	*37%*	*-*	*100%*	*-*	*-*	*63%*	*37%*	*-*
Non-tenure-track	324	455	2	890	1434	-	51	107	-	1265	1996	2
Percentage	*41%*	*58%*	*0%*	*38%*	*62%*	*-*	*32%*	*68%*	*-*	*39%*	*61%*	*0%*
Part-time	**859**	**518**	**-**	**3958**	**2955**	**-**	**185**	**104**	**-**	**5002**	**3577**	**-**
Percentage	*62%*	*38%*	*<1%*	*57%*	*43%*	*<1%*	*64%*	*36%*	*-*	*58%*	*42%*	*<1%*
Doctoral	414	161	-	972	538	-	152	65	-	1538	764	-
Percentage	*72%*	*28%*	*-*	*64%*	*36%*	*<1%*	*70%*	*30%*	*-*	*67%*	*33%*	*<1%*
Nondoctoral	445	357	-	2986	2417	-	33	39	-	3464	2813	-
Percentage	*55%*	*45%*	*<1%*	*55%*	*45%*	*<1%*	*46%*	*54%*	*-*	*55%*	*45%*	*<1%*

*Doctoral full-time non-tenure-track faculty includes postdoctoral appointments.

Mathematical and Statistical Sciences Annual Survey

Table F.3: Part-Time Faculty, Fall 2018

Part-time Faculty	GROUP												Total		
	All Doctoral Math Combined			Masters			Bachelors			Statistics & Biostatistics			Total		
	Men	Women	Other	Men	Women	Other	Men	Women	Other	Men	Women	Other	Men	Women	Other
Doctoral	414	161	-	259	94	-	713	444	-	152	65	-	1538	764	-
Nondoctoral	445	357	-	1045	784	-	1941	1633	-	33	39	-	3464	2813	-
Total	859	518	-	1304	878	-	2654	2077	-	185	104	-	5002	3577	-

Mathematical and Statistical Sciences Annual Survey

Table F.4:
Full-time Faculty Teaching Courses Outside the Mathematical Sciences, Fall 2018

Full-time Faculty	Math Public Large	Math Public Medium	Math Public Small	Math Private Large	Math Private Small	Applied Math	All Doctoral Math	Masters	Bachelors	All Math	Statistics	Biostatistics	Statistics & Biostatistics	Total All Groups
Teaching Outside the Math. Sci.	34	20	109	18	21	28	230	324	1802	2356	82	154	236	2592
Standard Error	4	2	13	5	3	6	16	55	75	95	27	22	22	107
Percentage of full-time faculty	2%	1%	4%	2%	3%	5%	2%	8%	19%	9%	5%	13%	9%	10%
Teaching Computer Science only	7	3	22	12	10	0	54	115	598	767	2	22	24	791
Standard Error	2	1	4	4	3	0	7	28	36	46	1	11	11	49
Percentage of full-time Outside Math. Sci.	21%	15%	20%	67%	48%	0%	23%	35%	33%	33%	2%	14%	10%	31%

Mathematical and Statistical Sciences Annual Survey

Table FF.1: Total Women Faculty, Fall 2018

	Math Public Large	Math Public Medium	Math Public Small	Math Private Large	Math Private Small	Applied Math	All Doctoral Math Combined	Masters	Bachelors	All Math Combined	Statistics	Biostatistics	Statistics & Biostatistics Combined	Total All Groups Combined
Total Women full-time faculty	**489**	**575**	**793**	**177**	**177**	**129**	**2340**	**1528**	**3536**	**7404**	**464**	**480**	**944**	**8348**
Standard error	-	*11*	*19*	*8*	*5*	*5*	*25*	*37*	*70*	*83*	*13*	*28*	*28*	*97*
Tenured	168	147	285	66	61	34	761	603	1527	2891	174	120	294	3185
Full Professors	105	79	138	48	32	24	426	294	770	1490	107	79	186	1676
Other	63	66	141	18	29	10	327	291	673	1291	67	41	108	1399
Tenure-eligible (without tenure)	43	83	88	23	27	22	286	205	627	1118	70	110	180	1298
Non-tenured-track	278	345	420	88	89	73	1338	720	1382	3440	220	250	482	3865
Postdoctoral appointments	85	60	20	57	16	21	259	9	39	307	38	32	70	377
Renewable appointments	171	245	368	26	61	48	964	550	1159	2673	162	215	389	3005
Fixed-term appointments	16	40	32	5	12	3	108	121	154	383	19	-	19	402
Other appointments	6	-	-	-	-	1	7	40	30	77	1	3	4	81
Doctoral Women full-time faculty	**423**	**447**	**566**	**177**	**149**	**114**	**1876**	**942**	**2552**	**5370**	**408**	**429**	**837**	**6207**
Standard error	-	*9*	*17*	*7*	*5*	*4*	*21*	*30*	*55*	*66*	*12*	*23*	*23*	*79*
Tenured	168	145	279	66	61	34	753	585	1443	2781	174	120	294	3075
Full Professors	105	79	138	48	32	24	426	294	770	1490	107	79	186	1676
Other	63	66	141	18	29	10	327	291	673	1291	67	41	108	1399
Tenure-eligible (without tenure)	43	83	88	23	27	21	285	200	598	1083	70	110	180	1263
Non-tenured-track	212	219	199	88	61	59	838	157	511	1506	164	199	363	1869
Postdoctoral appointments	85	60	20	57	16	21	259	9	39	307	38	32	70	377
Renewable appointments	112	143	158	26	35	35	509	122	399	1030	115	167	282	1312
Fixed-term appointments	11	16	21	5	10	2	65	24	64	153	10	-	10	163
Other appointments	4	-	-	-	-	1	5	2	9	16	1	-	1	17
Nondoctoral Women full-time faculty	**66**	**128**	**227**	**-**	**28**	**15**	**464**	**586**	**984**	**2034**	**56**	**51**	**107**	**2141**
Standard error	-	*5*	*12*	*1*	*2*	*3*	*51*	*29*	*40*	*51*	*4*	*11*	*11*	*55*
Tenured	-	2	6	-	-	-	8	18	84	110	-	-	-	110
Full Professors	-	1	2	-	-	-	3	-	26	29	-	-	-	29
Other	-	1	4	-	-	-	5	18	58	81	-	-	-	81
Tenure-eligible (without tenure)	-	-	-	-	-	1	1	5	29	35	-	-	-	35
Non-tenured-track	66	126	221	-	28	14	455	563	871	1889	56	51	107	1996
Renewable appointments	59	102	210	-	26	13	410	428	760	1598	47	48	95	1693
Fixed-term appointments	5	24	11	-	2	1	43	97	90	230	9	-	9	239
Other appointments	2	-	-	-	-	-	2	38	21	61	-	3	3	64
Total Women part-time faculty	**65**	**156**	**219**	**11**	**40**	**27**	**518**	**878**	**2077**	**3473**	**48**	**56**	**104**	**3577**
Standard error	-	*8*	*10*	*2*	*4*	*2*	*14*	*62*	*75*	*98*	*5*	*13*	*13*	*101*
Doctoral	28	46	44	11	25	7	161	94	444	699	29	36	65	764
Faculty with benefits received	21	22	14	3	14	3	77	47	69	193	16	1	17	210
Other part-time faculty	7	22	30	8	11	3	81	41	363	485	12	34	46	531
Phased Retirements	-	2	-	-	-	1	3	6	12	21	1	1	2	23
NonDoctoral	37	110	175	-	15	20	357	784	1633	2774	19	20	39	2813
Faculty with benefits received	26	70	50	-	1	4	151	228	273	652	12	8	20	672
Other part-time faculty	11	39	125	-	14	16	205	550	1331	2086	7	12	19	2105
Phased Retirements	-	1	-	-	-	-	1	6	29	36	-	-	-	36

Mathematical and Statistical Sciences Annual Survey

www.ams.org/annual-survey

Table FF.2: Summary of Total Women Faculty, Fall 2018

	Math Public Large	Math Public Medium	Math Public Small	Math Private Large	Math Private Small	Applied Math	All Doctoral Math Combined	Masters	Bachelors	All Math Combined	Statistics	Biostatistics	Statistics & Biostatistics Combined	Total All Groups Combined
Total Women full-time faculty	489	575	793	177	177	129	2340	1528	3536	7404	464	480	944	8348
Standard error	-	11	19	8	5	5	25	37	70	83	13	28	28	97
Tenured	168	147	285	66	61	34	761	603	1527	2891	174	120	294	3185
Tenure-eligible (without tenure)	43	83	88	23	27	22	286	205	627	1118	70	110	180	1298
Non-tenured-track	278	345	420	88	89	73	1293	720	1382	3395	220	250	470	3865
Postdoctoral appointments	85	60	20	57	16	21	259	9	39	307	38	32	70	377
Doctoral Women full-time faculty	423	447	566	177	149	114	1876	942	2552	5370	408	429	837	6207
Standard error	37	20	47	25	24	30	24	52	66	88	45	46	46	94
Tenured	168	145	279	66	61	34	753	585	1443	2781	174	120	294	3075
Tenure-eligible (without tenure)	43	83	88	23	27	21	285	200	598	1083	70	110	180	1263
Non-tenured-track	212	219	199	88	61	59	838	157	511	1506	164	199	363	1869
Postdoctoral appointments	85	60	20	57	16	21	259	9	39	307	38	32	70	377
Nondoctoral Women full-time faculty	66	128	227	-	28	15	464	586	984	2034	56	51	107	2141
Standard error	10	8	18	3	5	7	24	52	66	88	6	52	17	94
Tenured	-	2	6	-	-	-	8	18	84	110	-	-	-	110
Tenure-eligible (without tenure)	-	-	-	-	-	1	1	5	29	35	-	-	-	35
Non-tenured-track	66	126	221	-	28	14	455	563	871	1889	56	51	107	1996
Total Women part-time faculty	65	156	219	11	40	27	518	878	2077	3473	48	56	104	3677
Standard error	-	22	21	6	10	11	34	167	164	237	13	37	37	245
Doctoral	28	46	44	11	25	7	161	94	444	699	29	36	65	764
NonDoctoral	37	110	175	-	15	20	357	784	1633	2774	19	20	39	2813

Mathematical and Statistical Sciences Annual Survey

Table FF.3: Full-Time Faculty with Percent Women, Fall 2018

	Math Public Large	Math Public Medium	Math Public Small	Math Private Large	Math Private Small	Applied Math	All Doctoral Math Combined	Masters	Bachelors	All Math Combined	Statistics	Biostatistics	All Groups Combined
Full-time faculty	2251	2182	2603	1178	810	600	9624	4121	9479	23224	1494	1157	25875
Percentage of total full-time faculty	9%	8%	10%	5%	3%	2%	37%	16%	37%	90%	6%	4%	100%
Women full-time faculty	489	575	793	177	177	129	2340	1528	3536	7404	464	480	8348
Percentage of total women full-time faculty	6%	7%	9%	2%	2%	2%	28%	18%	42%	89%	6%	6%	100%
As a percentage of women full-time faculty within group faculty	22%	26%	30%	15%	22%	22%	24%	37%	37%	32%	31%	41%	32%

Mathematical and Statistical Sciences Annual Survey

www.ams.org/annual-survey

Table FF.4: Mathematics Faculty Counts and Percentage Women, Fall 2005-2018

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
All Doctoral Mathematics														
Doctoral full-time faculty														
Tenured/tenure-eligible	**5686**	**5668**	**5709**	**5666**	**5834**	**5742**	**5775**	**5812**	**5829**	**5801**	**5786**	**5986**	**6037**	**6051**
Percentage Women	11%	12%	12%	13%	13%	14%	14%	14%	15%	16%	16%	17%	17%	17%
Nontenured*	**1401**	**1461**	**1576**	**1598**	**1681**	**1770**	**1837**	**1996**	**1989**	**2359**	**2423**	**2646**	**2850**	**2777**
Percentage Women	24%	25%	25%	25%	27%	28%	27%	27%	29%	29%	28%	29%	28%	30%
Part-time faculty	**1054**	**1128**	**1143**	**1165**	**1154**	**1118**	**1099**	**1174**	**1334**	**1380**	**1380**	**1354**	**1398**	**1377**
Percentage Women	37%	40%	37%	37%	39%	38%	38%	36%	32%	32%	32%	32%	32%	32%
Group Masters														
Doctoral full-time faculty														
Tenured/tenure-eligible	**3351**	**3400**	**3325**	**3403**	**3208**	**3124**	**3143**	**3154**	**3192**	**2984**	**2928**	**2828**	**2828**	**2696**
Percentage Women	24%	25%	25%	26%	27%	27%	28%	28%	29%	28%	28%	28%	29%	29%
Nontenured*	**263**	**283**	**232**	**232**	**220**	**236**	**245**	**275**	**331**	**470**	**419**	**439**	**504**	**418**
Percentage Women	36%	28%	38%	32%	31%	38%	39%	38%	41%	34%	33%	33%	34%	38%
Part-time faculty	**1842**	**1493**	**1868**	**1824**	**1802**	**1781**	**1762**	**2084**	**2128**	**2197**	**1902**	**1918**	**2061**	**2182**
Percentage Women	37%	41%	39%	42%	44%	43%	42%	44%	43%	43%	43%	43%	43%	43%
Group Bachelors														
Doctoral full-time faculty														
Tenured/tenure-eligible	**6875**	**6623**	**6427**	**6733**	**6914**	**6783**	**6594**	**6605**	**6533**	**6321**	**6165**	**6246**	**6227**	**6380**
Percentage Women	25%	27%	27%	25%	29%	29%	29%	29%	30%	32%	31%	31%	31%	32%
Nontenured*	**516**	**545**	**363**	**532**	**636**	**521**	**672**	**685**	**438**	**997**	**1037**	**1134**	**1216**	**1452**
Percentage Women	32%	25%	33%	26%	28%	23%	34%	33%	26%	33%	34%	33%	35%	35%
Part-time faculty	**3630**	**3922**	**4053**	**3703**	**3614**	**3167**	**3087**	**3649**	**4334**	**4437**	**4402**	**4345**	**4789**	**4731**
Percentage Women	41%	40%	43%	46%	43%	47%	43%	41%	42%	46%	43%	44%	44%	44%

Mathematical and Statistical Sciences Annual Survey

www.ams.org/annual-survey

Table GE.1: Graduate Enrollment per Full-time Tenured and Tenure-eligible Faculty Member, Fall 2018

	Math Public Large	Math Public Medium	Math Public Small	Math Private Large	Math Private Small	Applied Math	Masters	Bachelors	Statistics	Biostatistics
Graduate Enrollment	8	8	7	10	5	17	4	-	29	27
Standard error	0	0	0	0	0	0	1	-	2	2

Table GE.2: Graduate Course Enrollments (Thousands) by Department Group, 2013- 2018

	Math Public Large	Math Public Medium	Math Public Small	Math Private Large	Math Private Small	Applied Math	Masters	Statistics	Biostatistics	Total
2013	12	11	12	6	3	5	16	25	17	108
2014	11	11	12	7	4	6	15	26	15	107
2015	11	11	12	7	4	6	16	25	18	110
2016	12	11	13	7	4	6	13	30	18	113
2017	11	11	13	7	3	7	12	33	19	117
2018	12	11	12	7	3	6	12	30	18	111
Standard error	0	0	0	0	0	0	1	2	2	5

Table GE.3: Graduate Enrollment per Full-time Tenured and Tenure-eligible Faculty Member, Fall 2013-2018

	Math Public Large	Math Public Medium	Math Public Small	Math Private Large	Math Private Small	Applied Math	Masters	Bachelors	Statistics	Biostatistics
2013	12	11	12	6	3	5	16	-	17	108
2014	8	9	8	11	6	15	5	-	28	27
2015	8	8	8	11	6	15	5	-	29	32
2016	8	8	8	10	7	16	5	-	30	30
2017	8	8	8	11	5	19	4	-	33	32
2018	8	8	7	10	5	17	4	-	29	27

Mathematical and Statistical Sciences Annual Survey

www.ams.org/annual-survey

Table GS.1: Graduate Students, Fall 2018

	Math Public Large	Math Public Medium	Math Public Small	Math Private Large	Math Private Small	Applied Math	All Doctoral Math	Masters	All Math	Statistics	Biostatistics	All Stats	Total All Groups
Total Graduate Students													
Full-time	**3562**	**2957**	**3171**	**1984**	**858**	**1647**	**14179**	**2002**	**16181**	**5554**	**2511**	**8065**	**24246**
Standard error							*179*	*127*	*220*	*436*	*229*	*492*	
First-year full-time	830	647	795	605	251	570	3698	866	4564	1972	908	2880	7444
Standard error							*72*	*83*	*110*	*219*	*97*	*240*	
Part-time	111	322	635	239	46	278	1631	2013	3644	745	369	1114	4758
Standard error							*78*	*284*	*294*	*108*	*67*	*127*	
Women Graduate Students													
Full-time	**899**	**820**	**1078**	**591**	**246**	**567**	**4201**	**783**	**4984**	**2344**	**1401**	**3745**	**8729**
First-year full-time	221	210	308	205	78	215	1237	354	1591	874	533	1407	2998
Part-time	40	152	258	94	21	94	659	975	1634	281	176	5152	2091
US Citizen & Permanent Residents Graduate Students													
Full-time	**1878**	**1744**	**1841**	**626**	**428**	**760**	**7277**	**1403**	**8680**	**1606**	**1231**	**2837**	**11517**
Standard error							*84*	*100*	*131*	*79*	*120*	*144*	
First-year full-time	386	400	458	154	145	254	1797	586	2383	555	409	964	3347
Part-time	40	152	258	94	21	94	659	975	1634	281	176	1108	2091
Non-US Citizen Graduate Students													
Full-time	**1684**	**1213**	**1330**	**1358**	**430**	**887**	**6902**	**599**	**7501**	**3948**	**1280**	**5228**	**12729**
Standard error							*141*	*69*	*157*	*407*	*140*	*430*	
First-year full-time	444	247	337	451	106	316	1901	280	2181	1417	499	1916	4097
Part-time	20	60	76	111	2	56	325	103	428	227	61	3945	716
Standard error							*26*	*20*	*33*	*49*	*11*	*50*	

Mathematical and Statistical Sciences Annual Survey

Table GS.2: Full-Time Graduate Students in All Doctoral Mathematics Departments Combined by Gender and Citizenship, Fall 2009-2018

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Total full-time graduate students	**11286**	**13048**	**12514**	**12684**	**12961**	**13023**	**13431**	**13702**	**13896**	**14179**
Women	3248	3839	3773	3771	3969	3925	4039	4146	4233	4201
% Women	29%	29%	30%	30%	31%	30%	30%	30%	30%	30%
% US Citizen & Permanent Residents[1]	56%	57%	56%	54%	53%	55%	53%	52%	52%	51%
% Underrepresented minorities[2]	9%	11%	8%	8%	9%	11%	15%	13%	13%	14%
Total full-time first-year graduate students	**3040**	**3313**	**3288**	**3394**	**3623**	**3551**	**3646**	**3704**	**3701**	**3698**
Women	904	1019	1077	1036	1205	1193	1188	1200	1279	1237
% Women	30%	31%	33%	31%	33%	34%	33%	32%	35%	33%
% US Citizen & Permanent Residents[1]	55%	51%	50%	54%	53%	55%	53%	52%	52%	51%
% Underrepresented minorities[2]	9%	9%	9%	7%	10%	13%	14%	12%	14%	14%

[1] Starting with 2014 departments were asked to report US citizen and permanent resident counts together. All percentages prior to 2014 have been updated to allow for comparison with previous years data.

[2] Prior to 2014 these counts only included US Citizens. Underrepresented minorities includes any person having origins within the categories American Indian or Alaska Native, Black or African American, Hispanic or Latino, and Native Hawaiian or Other Pacific Islander.

Table GS.**3**: Citizenship of Graduate Students by Department Grouping, Fall 2018

	Math Public Large	Math Public Medium	Math Public Small	Math Private Large	Math Private Small	Applied Math	All Doctoral Math	Masters	All Math	Statistics	Biostatistics	All Stats	Total All Groups
Total Full-time Graduate Students	3562	2957	3171	1984	858	1647	14179	2002	16181	5554	2511	8065	24246
Standard error							179	127	220	436	229	492	
US Citizen & Permanent Residents[1]	1878	1744	1841	626	428	760	7277	1403	8680	1606	1231	2837	11517
Non-US Citizen	1684	1213	1330	1358	430	887	6902	599	7501	3948	1280	5228	12729
Total First-year Graduate Students	830	647	795	605	251	570	3698	866	4564	1972	908	2880	7444
Standard error							72	83	110	219	97	240	
US Citizen & Permanent Residents[1]	386	400	458	154	145	254	1797	586	2383	555	409	964	3347
Non-US Citizen	444	247	337	451	106	316	1901	280	2181	1417	499	1916	4097
Total Part-time Graduate Students	111	322	635	239	46	278	1631	2013	3644	745	369	1114	4758
Standard error							78	284	294	108	67	127	
US Citizen & Permanent Residents[1]	20	60	76	111	2	56	325	103	428	227	61	288	716
Non-US Citizen	91	262	559	128	44	222	1306	1910	3216	518	308	826	4042

[1] Starting with 2014 departments were asked to report US citizen and permanent resident counts together. All percentages prior to 2014 have been updated to allow for comparison with previous years data.

Mathematical and Statistical Sciences Annual Survey

www.ams.org/annual-survey

Table MD.1: Masters Degrees Awarded, 2017-2018* by Type of Degree-Granting Department Group

	Math Public Large	Math Public Medium	Math Public Small	Math Private Large	Math Private Small	Applied Math	Masters	All Math	Statistics	Biostatistics	Statistics & Biostatistics	Total All Groups
Total Masters Degrees												
Degrees Awarded	**440**	**578**	**819**	**463**	**207**	**576**	**1648**	**4731**	**2161**	**444**	**2605**	**7336**
Standard error	*14*	*17*	*33*	*58*	*23*	*40*	*107*	*136*	*195*	*37*	*198*	*240*
Mathematics	382	363	486	377	129	440	1101	3278	34	63	97	3375
Math Education	10	57	44	1	10	0	253	375	0	0	0	375
Statistics only	18	98	173	58	12	118	146	623	2046	209	2255	2878
Computer Science only	5	0	39	27	1	0	103	175	0	0	0	175
Other	25	60	77	0	55	18	45	280	81	172	253	533
Women Master's Degrees												
Degrees Awarded	**136**	**245**	**327**	**148**	**72**	**219**	**747**	**1894**	**994**	**262**	**1256**	**3150**
Mathematics	111	143	183	108	36	157	442	1180	13	36	49	1229
Math Education	2	34	23	1	5	0	165	230	0	0	0	230
Statistics only	10	46	85	31	7	57	72	**308**	944	116	1060	1368
Computer Science only	2	0	15	8	1	0	51	**77**	0	0	0	77
Other	11	22	21	0	23	5	17	**99**	37	110	147	246

*Degrees awarded between July 1, 2017 and June 30, 2018.

Mathematical and Statistical Sciences Annual Survey

Table MD.2: Masters Degrees Awarded, All Mathematics Combined for 2008-2018*

	2008-2009	2009-2010	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016	2016-2017	2017-2018
Total Masters Degrees Awarded	**4060**	**4265**	**4423**	**4370**	**4619**	**4548**	**5087**	**7954**	**7246**	**7336**
Women Masters Degrees Awarded	1633	1723	1745	1728	1735	1845	2009	2034	1768	1894
Percentage women	40%	40%	39%	40%	38%	41%	39%	26%	24%	26%

*Degrees awarded between July 1, 2017 and June 30, 2018.

Mathematical and Statistical Sciences Annual Survey

www.ams.org/annual-survey

Table NF.1: Nondoctoral Full-Time Faculty, Fall 2018

Full-time Faculty	All Doctoral Math Combined			Masters			Bachelors			Statistics & Biostatistics			Totals			
	Men	Women	Other	Men	Women	Other	Men	Women	Other	Men	Women	Other	ALL	Men	Women	Other
Without a Doctorate	331	464	1	420	586	1	663	984	0	53	107	0	3610	1467	2141	2
Tenured	6	8	0	24	18	1	111	84	0	1	0	0	253	142	110	1
Full Professors	4	3	0	3	0	0	35	26	0	1	0	0	72	43	29	0
Other	2	5	0	21	18	1	76	58	0	0	0	0	181	99	81	1
Tenure-eligible (without tenure)	1	1	0	6	5	0	52	29	0	1	0	0	95	60	35	0
Non-tenure-track	324	455	1	390	563	0	500	871	0	51	107	0	3262	1265	1996	1
Renewable appointments	272	410	0	263	428	0	360	760	0	47	95	0	2635	942	1693	0
Fixed-term appointments	51	43	0	104	97	0	110	90	0	4	9	0	508	269	239	0
Other appointments	1	2	1	23	38	0	30	21	0	0	3	0	119	54	64	1

Mathematical and Statistical Sciences Annual Survey

www.ams.org/annual-survey

Table UD.1: Undergraduate Degrees Awarded, 2017-2018* by Type of Degree-Granting Department Group

	Math Public Large	Math Public Medium	Math Public Small	Math Private Large	Math Private Small	Applied Math	Doctoral Math Combined	Masters	Bachelors	All Math Combined	Statistics	Biostatistics	Statistics & Biostatistics Combined	Total All Groups Combined
Total Undergraduate Degrees														
Degrees Awarded	4975	3071	2862	1882	1268	1026	15084	4698	14345	34127	2242	58	2300	36427
Standard error	214	101	87	136	63	116	316	267	505	653	220	18	221	689
Mathematics	3973	2832	2221	1810	1153	999	12988	3675	8967	25630	135	0	135	25765
Math Education	75	97	205	2	3	0	382	531	1179	2092	0	0	0	2092
Statistics only	143	66	86	0	50	18	363	156	319	838	1917	58	1975	2813
Computer Science only	272	0	211	70	40	4	597	184	2670	3451	0	0	0	3451
Other	512	76	139	0	22	5	754	152	1210	2116	190	0	190	2306
Women Undergraduate Degrees														
Degrees Awarded	1796	1175	1090	648	500	343	5552	2181	6201	13934	917	32	949	14883
Standard error	83	43	40	58	27	26	123	142	234	300	89	10	90	313
Mathematics	1388	1052	854	624	445	332	4695	1698	4112	10505	50	0	50	10555
Math Education	44	60	126	2	3	0	235	340	818	1393	0	0	0	1393
Statistics only	66	36	32	0	26	8	168	40	165	373	799	32	831	1204
Computer Science only	68	0	30	22	15	1	136	33	608	777	0	0	0	777
Other	230	27	48	0	11	2	318	70	498	886	68	0	68	954

*Degrees awarded between July 1, 2017 and June 30, 2018.

Mathematical and Statistical Sciences Annual Survey

Table UD.2: Undergraduate Degrees Awarded, All Mathematics Combined for 2008-2018*

	2009-2010	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016	2016-2017	2017-2018
Total Undergraduate Degrees Awarded	**23438**	**25621**	**26761**	**28423**	**28277**	**29101**	**32382**	**33862**	**34127**
Women Undergraduate Degrees Awarded	10118	10293	10980	11737	11706	11879	12800	13052	13934
Percentage women	43%	44%	41%	41%	41%	41%	40%	39%	41%

*Degrees awarded between July 1, 2017 and June 30, 2018.

Table UE.1: Undergraduate Enrollment per Full-time-Faculty Member, Fall 2018

	Math Public Large	Math Public Medium	Math Public Small	Math Private Large	Math Private Small	Applied Math	Masters	Bachelors	Statistics	Biostatistics
Undergraduate Enrollment	105	127	142	43	86	66	118	93	94	6
Standard error	0	6	9	2	2	2	13	22	6	13

Table UE.2: Undergraduate Enrollment (Thousands) by Department Group, 2013 - 2018

	Math Public Large	Math Public Medium	Math Public Small	Math Private Large	Math Private Small	Applied Math	Masters	Bachelors	Statistics	Biostatistics	Total
2013	225	275	305	50	66	40	553	846	94	4	2460
2014	232	274	301	48	67	43	554	854	102	5	2481
2015	242	282	306	49	73	43	538	882	99	4	2518
2016	243	283	320	49	75	44	510	849	109	4	2487
2017	243	287	340	48	67	44	503	875	118	4	2529
2018	248	276	351	50	74	44	511	869	131	5	2558
Standard error	0	6	9	2	2	2	13	22	6	0	32

Table UE.3: Undergraduate Enrollment per Full-time-Faculty Member, Fall 2013 - 2018

	Math Public Large	Math Public Medium	Math Public Small	Math Private Large	Math Private Small	Applied Math	Masters	Bachelors	Statistics	Biostatistics
2013	105	136	138	46	81	71	120	92	80	4
2014	107	137	134	44	80	71	124	94	80	5
2015	110	138	134	44	85	76	124	98	81	4
2016	106	133	132	43	87	75	120	92	79	3
2017	103	133	138	41	78	67	116	95	84	4
2018	105	127	142	43	86	66	118	93	94	6