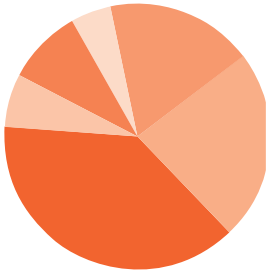
ANNUAL SURVEY



Fall 2016 Departmental Profile Report

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

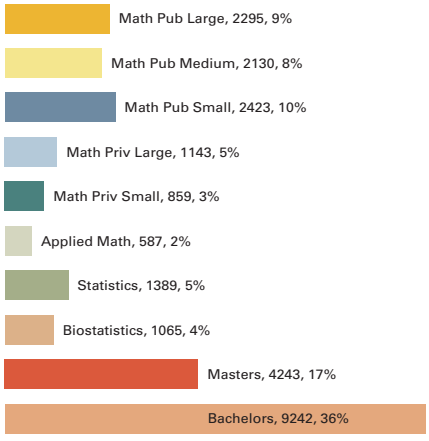
This report presents a profile of mathematical sciences (MS) departments at four-year colleges and universities in the United States, as of fall 2016. The information presented includes the numbers of faculty in various categories, undergraduate and graduate course enrollments, numbers of bachelor's and master's degrees awarded during the preceding year, and the number of graduate students. Definitions of categorized terms such as "Mathematical Sciences," "Math," and "Stats" along with a description of the faculty categories are provided at the end of this report.

Detailed information, including tables on which the graphics are based, is available on the AMS website at `www.ams.org/annual-survey`.

Faculty Size

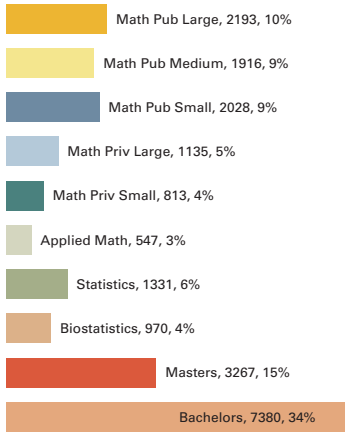
The estimated number of full-time faculty in MS for fall 2016 is 25,376. Of these, 22,922 were in Math (up 2% from 22,373 in 2015) and 2,454 were in Stats (up 9.5% from 2,241). Full-time faculty in the Doctoral Math Group increased 4% to 9,437 from 9,059. In Math we estimate that the number of nondoctoral full-time faculty is 3,643, essentially unchanged from 3,615 in 2015, with a standard error of 127. The total part-time faculty in Math is estimated to be 7,889 (with a standard error of 304), relatively unchanged from 7,684. In Stats, the part-time faculty count is estimated to be 272, but the relatively high standard error of 49 permits no conclusion as to whether this figure represents an increase over the 2015 estimate of 233.

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



Total: 25,376

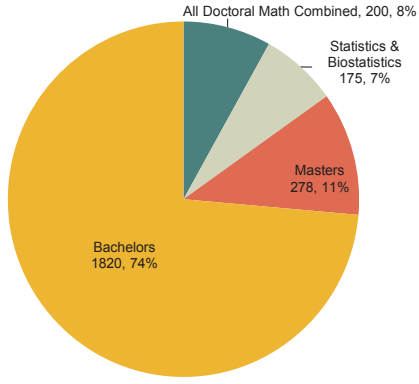
Figure F.2: Full-time Doctoral* Faculty by Department Grouping



Total: 21,580

*Doctoral-holding

Figure F.3 Full-time Faculty Teaching Courses Outside of the Mathematical Sciences



Total: 2,473*

*(32% teach only computer science courses)

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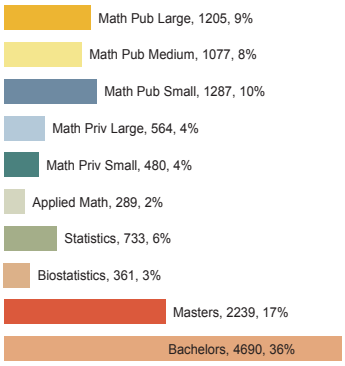
ANNUAL SURVEY

Doctoral Faculty

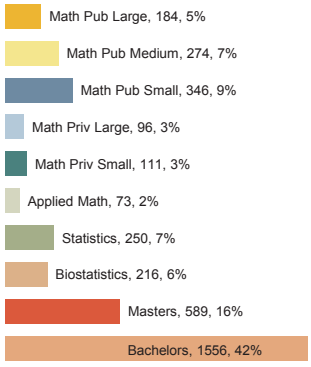
The estimated number of full-time doctoral (i.e., doctorate-holding) faculty in MS is 21,580. In Math this estimate is 19,279 (with a standard error of 127), up 3% from 18,758 for fall 2015; in Stats it is 2,301, up 7% from 2,146. Respectively for Math and Stats, the total doctoral tenured faculty are 11831 and 1,094 compared to 11,653 and 1,011 for fall 2015. Sixty-five percent of all doctoral tenured faculty in Math are full professors, while 17% of all doctoral faculty are tenure-eligible. Women hold 22% of all doctoral tenured faculty and 18% of doctoral tenured full professor appointments.

Figure D.1: Full-time Tenured Doctoral Faculty by Department Grouping



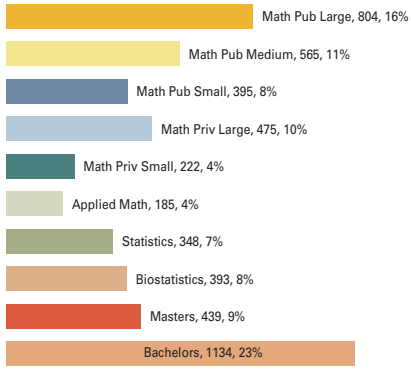
Total: 12,925

Figure D.2: Full-time Tenure-eligible Doctoral Faculty by Department Grouping



Total: 3,695

Figure D.3: Full-time Non-tenure-track Doctoral Faculty by Department Grouping



Total: 4,960

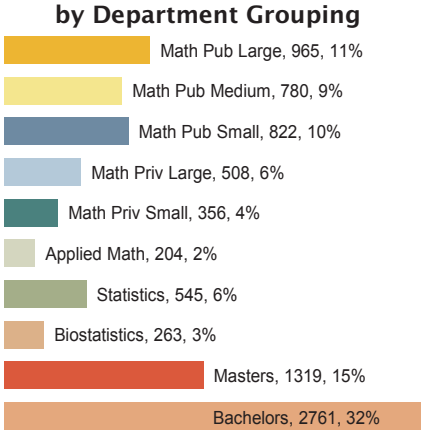
Features of full-time doctoral faculty data:

- 74% of all tenured doctoral faculty in the Doctoral Math Group are full professors (3,635), with 71% of these full professor appointments in Math Public departments.
- Over the period fall 2015 to fall 2016, tenure-eligible doctoral faculty increased 6% among the Doctoral Math Group, while the Biostatistics, Masters, and Bachelors Groups showed decreases of 1%, 2%, and 3%, respectively.
- Postdoctoral appointments among the Doctoral Math Group increased to 1,289 for fall 2016. This is a 5% increase from 2015 and 15% of the total full-time doctoral faculty in these departments. In Stats postdocs decreased 21% to 180.
- Women hold 22% of all postdoctoral appointments, up from 21% from fall 2015.
- 16% of the doctoral faculty in the Doctoral Math Group are in non-tenure-track positions. The majority of these faculty hold renewable (81%) and fixed-term appointments (17%); in 2015 these percentages were 79% and 17%, respectively.

Features of part-time doctoral faculty data:

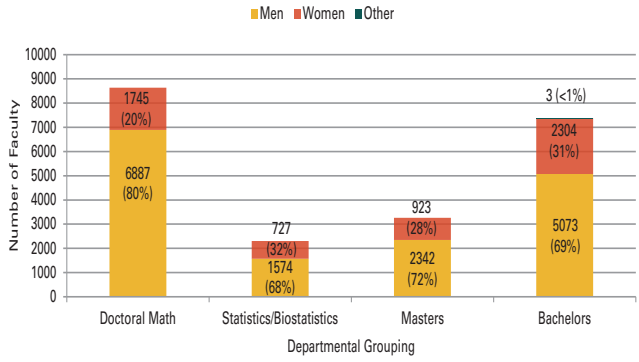
- Estimated total part-time doctoral faculty decreased 7% to 1,973 from 2,075. Of these, 28% receive benefits, and 7% are in phased retirement.
- 30% of all part-time doctoral faculty are in Doctoral Math departments.
- Women hold 29% of all part-time doctoral faculty positions, the same as in fall 2015.

Figure D.4: Full-time Tenured Doctoral Full Professor Faculty by Department Grouping



Total: 8,523

Figure D.5: Gender of Full-time Doctoral Faculty

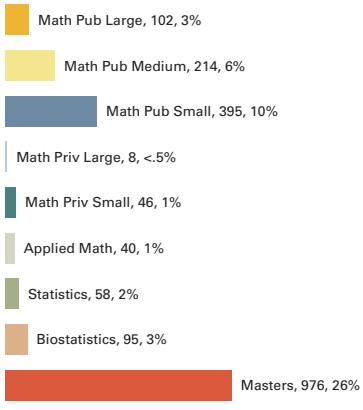


Total: 21,580

Nondoctoral Faculty

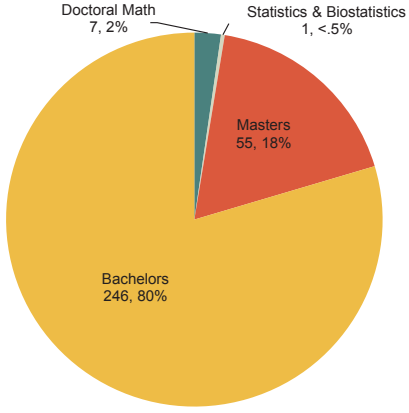
The estimated number of nondoctoral (i.e., without a doctorate) full-time faculty in MS is 3,796, of which 3,643 are in Math and 153 are in Stats. This count is up 2% from 2015, and it represents 15% of all full-time faculty. In Math, nondoctoral tenured faculty increased 4% from 296 to 308; in Stats one nondoctoral tenured faculty member was reported. One hundred twenty-four of the nondoctoral full-time faculty in Math are tenure-eligible, 4% of all those tenure-eligible. Nondoctoral full-time non-tenure-track faculty increased 3% to 3,361; this is 88% of all nondoctoral full-time faculty, the same as fall 2015. Women composed 55% of all nondoctoral faculty, the same as fall 2015.

Figure ND.1: Full-time Nondoctoral Faculty by Department Grouping



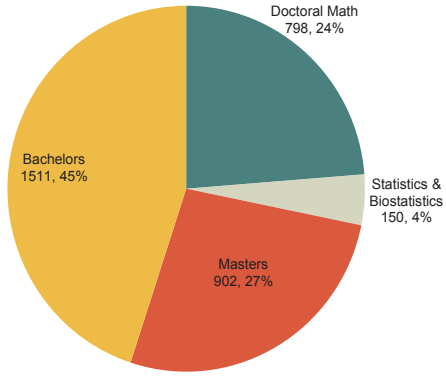
Total: 3,796

Figure ND.2: Full-time Tenured Nondoctoral Faculty by Department Grouping



Total: 309

Figure ND.3: Full-time Non-tenure-track Nondoctoral Faculty by Type of Appointment



Total: 3,361

Features of full-time nondoctoral faculty data:

- 35% of all tenured nondoctoral faculty in MS are full professors (109) and 75% of these appointments are in the Bachelors Group. Stats reported no faculty in this category.
- Masters and Bachelors departments combined reported the majority of the nondoctoral nontenure-track faculty holding renewable and fixed-term appointments with 71% and 80%, respectively.
- Women account for 55% of full-time nondoctoral faculty in Math. By comparison, women account for 26% of all doctoral full-time faculty and 30% of all full-time faculty in Math.

Features of part-time nondoctoral faculty data:

- Total part-time nondoctoral faculty increased 2% to 5,974 from 5,842 last year. Of these faculty, 24% receive benefits and 2% are in phased retirement.
- 76% of all part-time faculty are nondoctoral; women hold 47% of these positions.
- Part-time nondoctoral faculty decreased 5% to 772 in Doctoral Math departments, this is 57% of all part-time faculty in this group.

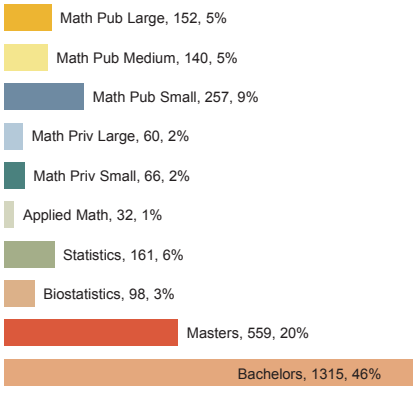
Figure ND.4: Gender of Full-time Nondoctoral Faculty

Total: 3,796

Women Faculty

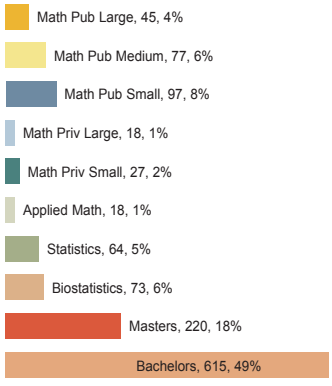
Women account for 31% (7,793) of all full-time faculty in MS. In Math, women made up 30% (6,966 with a standard error of 96) of the full-time faculty (22,922) in fall 2016. For the Doctoral Math departments, women composed 17% of the combined doctorate-holding tenured and tenure-eligible faculty and 33% of the doctorate-holding non-tenure-track (including postdocs) faculty in fall 2016. In the other groups these respective percentages are: 23% and 38% in Statistics, 30% and 51% in Biostatistics, 28% and 33% in Masters, and for Bachelors faculty they are 31% and 33%. Among the nondoctoral full-time faculty in Math, women compose 55%. Women account for 42% of all part-time faculty in Math.

Figure FF.1: Full-time Tenured Women Doctoral Faculty by Department Grouping



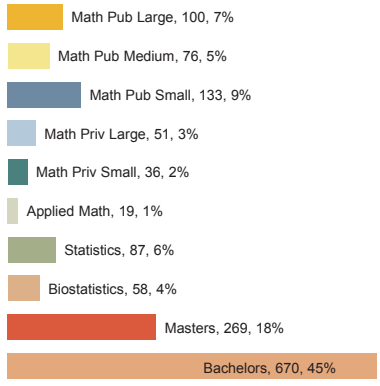
Total: 2,840

Figure FF.2: Full-time Tenure-eligible Women Doctoral Faculty by Department Grouping



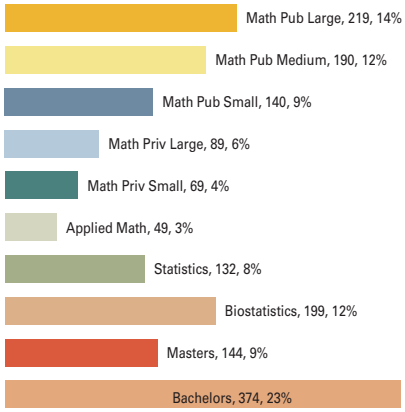
Total: 1,254

Figure FF.3: Full-time Full Professor Women Doctoral Faculty by Department Grouping



Total: 1,499

Figure FF.4: Full-time Non-tenure-track Women Doctoral Faculty by Department Grouping



Total: 1,605

Features of full-time women faculty data:

- Women hold 14% of full-time tenured and 26% of full-time tenure-eligible positions in Doctoral Math departments.
- 42% of all full-time women faculty are in the Bachelors departments.
- Biostatistics departments reported the highest percentage of full-time women faculty (41%), followed by the Bachelors departments (36%), and Masters (34%), while the Math Private Large Group reported the lowest (15%).
- Women hold 22% of all postdoctoral appointments (up from 21% in 2015). Forty-eight percent of postdocs in Biostatistics are held by women. The majority of the Doctoral Math groups reported between 20% and 28% of postdocs were held by women, with only Math Public Small and Math Private Large reporting fewer women in these positions with 15% and 19%, respectively.
- 87% of all women nondoctoral non-tenure-track faculty appointments (1,916) are renewable; 10% are fixed-term, and 2% are other types of appointments.

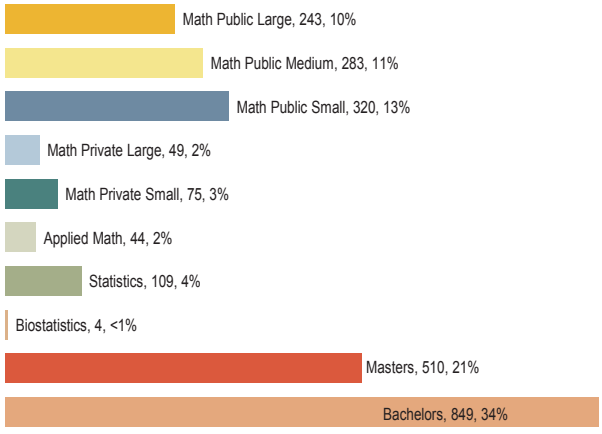
Features of part-time women faculty data:

- 58% of all part-time women faculty in Math are in Bachelors departments.
- 83% of all part-time women faculty hold nondoctoral positions. Of these faculty, 23% receive benefits and 1% are phased retirements.

Undergraduate Course Enrollments

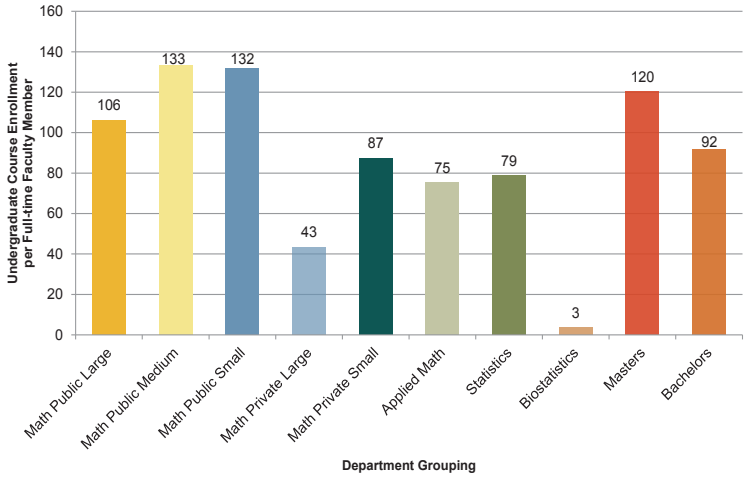
The 2016 estimate of total undergraduate enrollments in MS courses is 2,518,000. With a standard error of 26,000, this figure cannot be used to conclude that enrollments have changed significantly from the 2015 estimate of 2,487,000. MS departments reported an overall decrease of 4% in the number of undergraduate course enrollments per full-time faculty member.

Figure UE.1: Undergraduate Course Enrollments (thousands) by Department Grouping, Fall 2016



Total Undergraduate Enrollments (thousands): 2,487

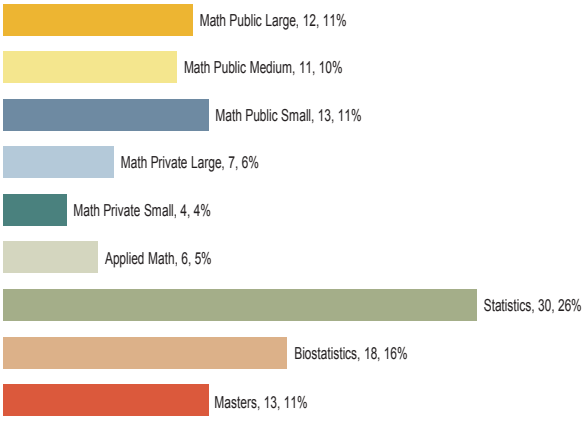
Figure UE.2: Undergraduate Course Enrollment per Full-Time Faculty Member, by Department Grouping, Fall 2016



Graduate Course Enrollments

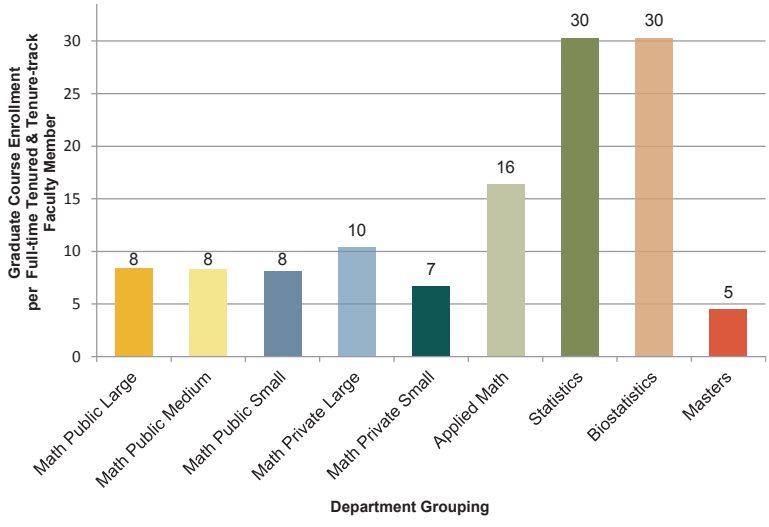
Estimated total graduate course enrollments have increased from 110,000 to 113,000 (with a standard error of 5,000). MS departments reported an overall decrease of 1% in the estimated number of graduate course enrollments per full-time tenured and tenure-eligible faculty member.

Figure GE.1: Graduate Course Enrollments (thousands) by Department Grouping, Fall 2016



Total Graduate Enrollments (thousands): 113

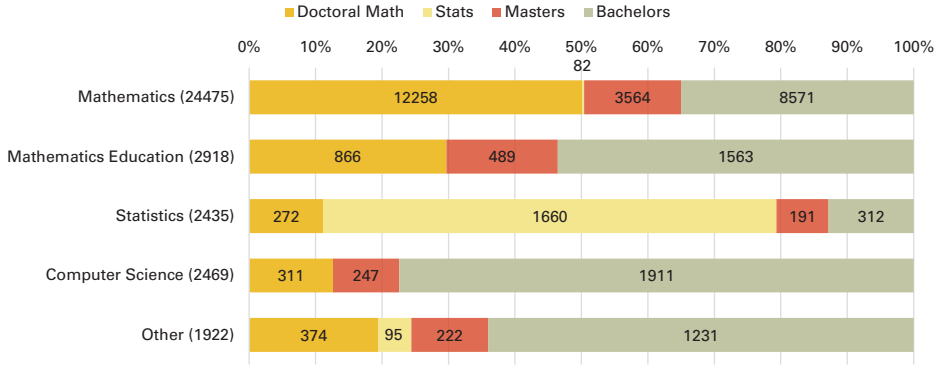
Figure GE.2: Graduate Course Enrollment per Full-Time Tenured & Tenure-eligible Faculty Member, by Department Grouping, Fall 2016



Bachelor's Degrees Awarded

For the period 2015–16, the estimated number of bachelor's degrees awarded in MS departments is 34,219, up 13% from the 2014–15 estimate of 30,397. The standard error is 825. Of these, 13,578 were earned by womens (40%), a 9% increase. In Math Departments, the 2015–16 estimated number of bachelor's degrees awarded is 32,382, a count that includes 12,800 degrees earned by women, 24,393 Math degrees, 2,918 Math Ed degrees, 775 Statistics-only degrees, 2,469 Computer-Science-only degrees, and 1,827 other degrees. Approximately 12,800 of these degrees were earned by women. This figure represents an 11% increase from last year's estimate of 29,101 degrees awarded by Math departments. The new breakdown of degrees awarded by major accounts for at least 50% (1,922 Other degrees) of the increase in total degrees awarded.

Figure UD.1: Undergraduate Degrees Awarded by Major and Department Grouping
(Degrees awarded between July 1, 2015 and June 30, 2016)



Total: 34,219

Here are some of the highlights regarding bachelors degrees:

- All department groupings reported increases in the number of undergraduate degrees awarded.
- 40% (13,578) of all bachelors degrees, 61% (1,773) of mathematics education degrees, and 21% (525) of computer science degrees were earned by women.
- Of all degrees in mathematics (24,475, 72% of all bachelors),
  - 50% (12,258) were awarded in the Doctoral Math group; 36% of these degrees were awarded to women.
  - 35% (8,571) were awarded in Bachelors departments, and 44% of these were to women.
  - 15% (3,564) were awarded in Masters departments, and 33% of these were to women.
- Of all degrees in statistics (2,435, or 7% of all bachelors),
  - 68% (1,660) were awarded in departments of Statistics or Biostatistics
  - 43% (1,055) were awarded to women
- Of degrees in Computer Science awarded in mathematical sciences departments (2,469, 7% of bachelors awarded), 77% (1,911) were awarded in the Bachelors Group, and 22% of these were to women.

Figure UD.2: Undergraduate Degrees Awarded by Major and Gender
(Degrees awarded between July 1, 2015 and June 30, 2016)

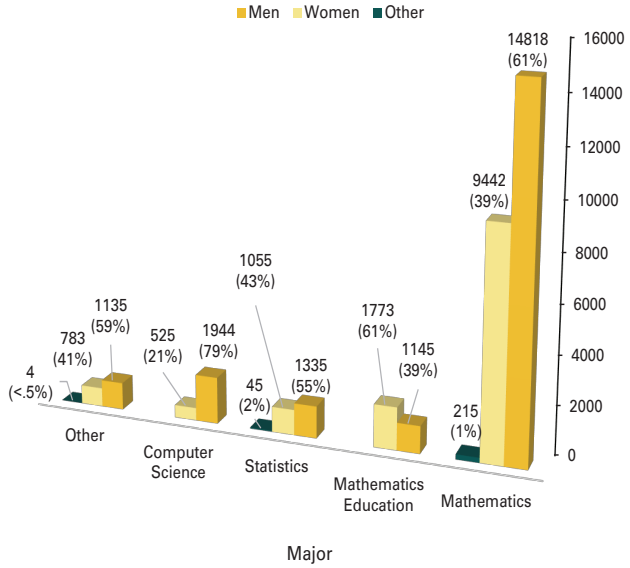
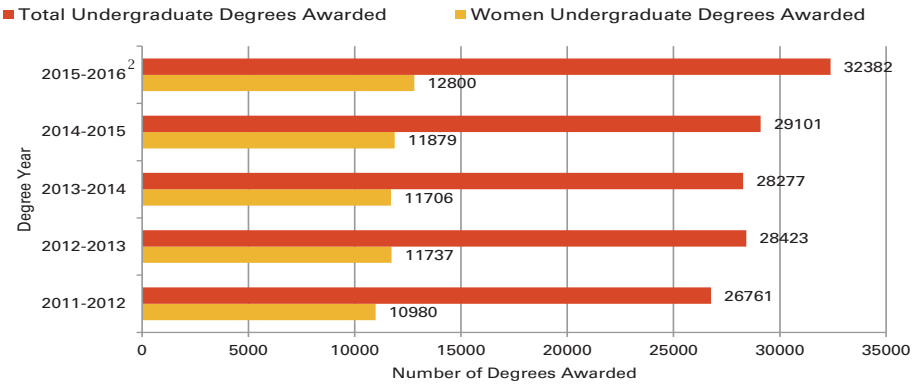


Figure UD.3: Undergraduate Degrees Awarded[1], 2011–2016
All Mathematics Departments

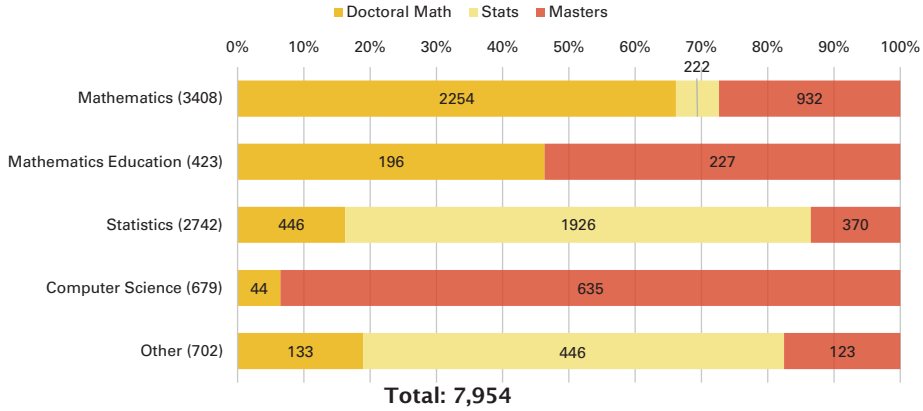


[1] Degrees awarded between July 1 and June 30.
[2] Due to the finer grained detail being collected on majors, it's possible departments have reported degrees not reported in the past.

Master's Degrees Awarded

For the period 2015–2016, the estimated number of master's degrees awarded in MS departments is 7,954, an increase of 12% over the 2014–2015 estimate of 7,132. The standard error in this estimate is 722. Of these, 3,203 or 40% were earned by women, a 6% increase over the 2014–2015 estimate consisting of 3,034. In Math departments, the estimated number of master's degrees awarded is 5,360, a count estimate consisting of 3,186 Math degrees, 423 Math Ed degrees, 816 Statistics-only degrees, 679 Computer-Science-only degrees, and 256 other degrees. Approximately 2,034 of these are earned by women. This figure represents a 5% increase over last year's estimate of 5,087 masters degrees awarded by Math departments.

Figure MD.1: Masters Degrees Awarded by Major and Department Grouping
(Degrees awarded between July 1, 2015 and June 30, 2016)



Total: 7,954

Here are a few highlights regarding the masters degrees:

- All department groupings reported increases in the number of masters degrees awarded except Math Public Medium and Small, which had decreases of 7% and 1%, respectively.
- 34% (2,742) of masters degrees were in statistics.
- 29% (2,287) of masters degrees were awarded by Masters departments, 25% (1,954) by Statistics, and 9% by Math Public Small.
- 40% of all masters degrees were awarded to women, with the lowest rate of 30% (1,015) among math majors and the highest rate of 66% (279) among mathematics education majors.

- 43% (3,408) of masters degrees represented were awarded in mathematics
  - ◇ 27% (932) of these were awarded by Master departments
  - ◇ 29% (268) of these were awarded to women.
- 5% (423) of masters degrees were in mathematics education.
  - ◇ 54% (227) of these were awarded by Masters departments
  - ◇ Women earned 66% of all mathematics education degrees
- 9% (679) of masters degrees in mathematical sciences departments were in computer science.
  - ◇ 94% (635) of CS masters were awarded by the Masters Group; 33% of these went to women.
  - ◇ Masters in CS conferred by the Masters Group of departments more than doubled to 635 from 2014–15, but most other groups saw decreases.

Figure MD.2: Master's Degrees Awarded by Gender and Major
(Degrees awarded between July 1, 2015 and June 30, 2016)

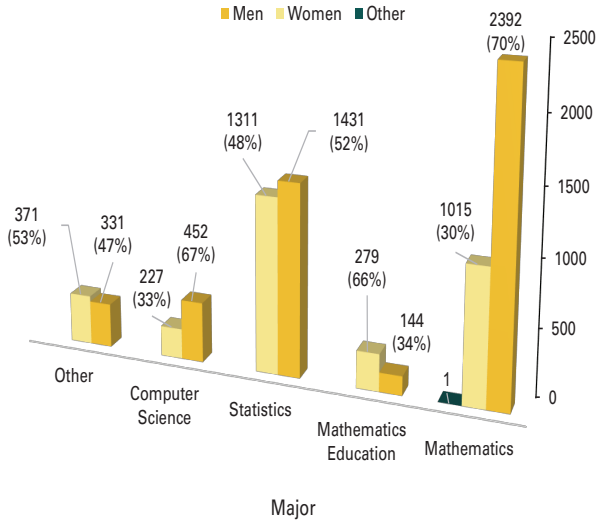
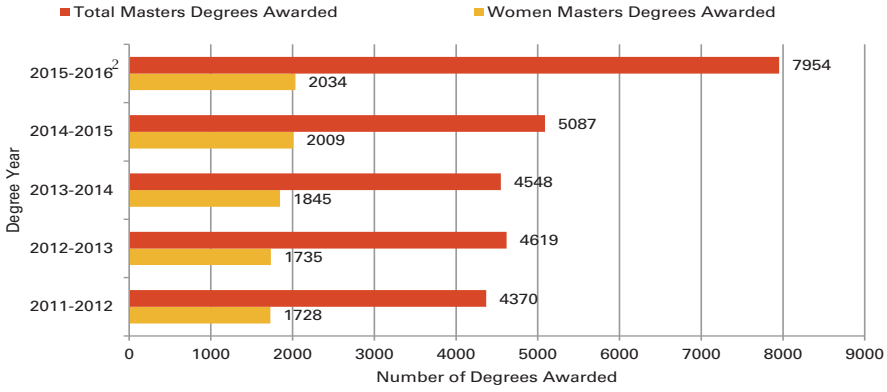


Figure MD.3: Master's Degrees Awarded[1], 2011–2016
All Mathematics Departments

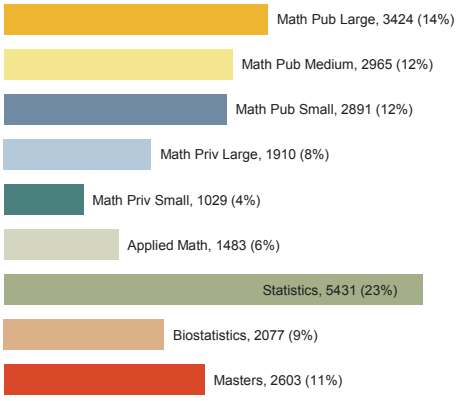


[1] Degrees awarded between July 1 and June 30.
[2] Due to the finer grained detail being collected on majors, it's possible departments have reported degrees not reported in the past.

Graduate Students

In fall 2016, the total number of full-time graduate students is estimated at 23,813, with 16,305 in Math (essentially unchanged from 16,136 in fall 2015) and 7,508 in Stats. The total number of full-time graduate students in Doctoral Math departments is 13,702 (from 13,431). In Doctoral Math departments, counts of full-time and first-year graduate students who are US citizens or permanent residents have remained essentially unchanged at 7,131 and 1,779, respectively. For the Masters Group, full-time graduate students decreased 4% to 2,603, the number of US citizens and permanent residents is 1,762 (down from 1,930), and the number of first-year students is 1,155 (down from 1,203). Stats reported full-time first-year graduate students at 2,543, up from 2,538. Women account for 36% (8,684) of all full-time graduate students.

Figure GS.1: Graduate Students by Department Grouping, Fall 2016



Total: 23,813

Features of full-time graduate student data:

- Full-time graduate students and full-time women graduate students increased in all groups except Math Public Medium and Masters.
- First-year graduate students remained relatively unchanged at 7,402 from 7,387; only Math Public Large, Math Public Medium, Math Private Large, and the Biostatistics Groups estimates increased by 5%, 1%, 24%, and 2%, respectively.
- US citizen and permanent resident graduate students decreased 2% from 11,823 to 11,587, while most groups reported decreases of less than 5%, the Masters Group decreased 9%, and the Math Public Large, Math Public Small, and Applied Math Groups increased by 1% , 5%, and 6%, respectively.
- Underrepresented minorities accounted for 13% of US citizen and permanent resident graduate students and 5% of first-year graduate students. Women compose 35% and 39%, respectively, of these categories.
- Math Public Small, Math Private Large, Applied Math, and the Statistics Groups all reported increase in underrepresented minorities, while Math Public Large, Math Public Medium, Math Private Small and Biostatistics all reported decreases of 32%, 22%, 39%, and 6%, respecitvely.
- Non-US citizen full-time graduate students increased in all groups except Applied Math which remained relatively unchanged and full-time women graduate student counts increased in all groups except Masters which decreased 6%.

Features of part-time graduate student data:

- Estimates of total part-time graduate student counts increased in the Math Public Small, Math Private Small, Biostatistics, and Masters Groups, while Math Public Large, Math Public Medium, Math Private Large, Applied Math, and Statistics estimates decreased by 22%, 12%, 21%, 8%, and 44%, respectively.
- Part-time US citizen and permanent resident graduate student counts decreased slightly to 3,381 and non-US citizen counts decreased 8% to 665.
- Underrepresented minorities account for 14% of part-time US citizen and permanent resident graduate students, down from 16% in all 2015).

Table GS.2: Full-Time Graduate Students in All Doctoral Math Groups Combined by Gender and Citizenship, Fall 2007–2016

	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Total full-time graduate students	**10937**	**10883**	**11286**	**13048**	**12514**	**12684**	**12961**	**13023**	**13431**	**13702**
Women	3249	3193	3248	3839	3773	3771	3969	3925	4039	4146
% Women	30%	29%	29%	29%	30%	30%	31%	30%	30%	30%
% US Citizen & Permanent Residents[1]	56%	55%	56%	57%	56%	54%	53%	55%	53%	52%
% Underrepresented minorities[2]	9%	9%	9%	11%	8%	8%	9%	11%	15%	13%
Total first-year graduate students	**2964**	**2924**	**3040**	**3313**	**3288**	**3394**	**3623**	**3551**	**3646**	**3704**
Women	950	870	904	1019	1077	1036	1205	1193	1188	1200
% Women	32%	30%	30%	31%	33%	31%	33%	34%	33%	32%
% US Citizen & Permanent Residents[1]	56%	56%	55%	51%	50%	54%	53%	55%	53%	52%
% Underrepresented minorities[2]	10%	10%	9%	9%	9%	7%	10%	13%	14%	12%

[1] Starting with 2014, departments were asked to report US citizen and permanent resident counts together; previously permanent residents were included in the non-US citizen counts. 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 Alaskan Native, Black or African American, Hispanic or Latino, and Native Hawaiian or Other Pacific Islander.

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.

Department Groupings

In this report, Mathematical 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."

Starting with reports on the 2012 AMS-ASA-IMS-MAA-SIAM Annual Survey of the Mathematical Sciences, the Joint Data Committee implemented a new method for grouping doctorate-granting Mathematics departments. These departments are first grouped into those at public institutions and those at private institutions. These groups are further subdivided according to the size of their doctoral program as reflected in the average annual number of PhDs awarded between 2000 and 2010, based on their reports to the Annual Survey during that period.

For further details on the change in the doctoral department groupings, see the article in the October 2012 issue of Notices of the AMS at www.ams.org/journals/notices/201209/rtx120901262p.pdf.

Math Public Large consists of departments with the highest annual rate of production of PhDs, ranging between 7.0 and 24.2 per year.
Math Public Medium consists of departments with an annual rate of production of PhDs, ranging between 3.9 and 6.9 per year.
Math Public Small consists of departments with an annual rate of production of PhDs of 3.8 or less per year.
Math Private Large consists of departments with an annual rate of production of PhDs, ranging between 3.9 and 19.8 per year.
Math Private Small consists of departments with an annual rate of production of PhDs of 3.8 or less per year.
Applied Mathematics consists of doctoral-degree-granting applied mathematics departments.
Statistics consists of doctoral-degree-granting statistics departments.
Biostatistics consists of doctoral-degree-granting biostatistics departments.
Masters contains US departments granting a master's degree as the highest graduate degree.
Bachelors contains US departments granting a baccalaureate degree only.
Doctoral Math contains all US math public, math private, and applied math mathematics departments granting a PhD as the highest graduate degree.
Mathematics (Math) contains all Math Public, Math Private, and Applied Math, Masters, and Bachelors Groups above.
Stats consists of all doctoral-degree-granting statistics and biostatistics departments.

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

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 4,343 with a standard error of 107. This means the actual number of full-time faculty in the Masters Group is most likely between 4,343 plus or minus two standard errors, or between 4,129 and 4,557. This is much more informative than simply giving the estimate of 4,343.

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 22,373, with a standard error of 205.

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).

Department Grouping Response Rates

Survey Response Rates by Grouping

Departmental Profile
Department Response Rates

Department Group	Number	Percent	Imputed[1]
Math Public Large	25 of 26	96%	8
Math Public Medium	40 of 40	100%	5
Math Public Small	58 of 64	89%	9
Math Private Large	22 of 24	92%	2
Math Private Small	26 of 29	89%	6
Applied Math	24 of 25[2]	96%	2
Statistics	54 of 59	92%	18
Biostatistics	31 of 44[2]	70%	6
Masters	161 of 175	93%	38
Bachelors	545 of 1,012	55%	184
Total	944 of 1,501	63%	278

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.

Acknowledgments

The Annual Survey attempts to provide an accurate appraisal and analysis of various aspects of the academic mathematical sciences scene for the use and benefit of the community and for filling the information needs of the professional organizations. Every year, college and university departments in the United States are invited to respond. The Annual Survey relies heavily on the conscientious efforts of the dedicated staff members of these departments for the quality of its information. On behalf of the Data Committee and the Annual Survey Staff, we thank the many secretarial and administrative staff members in the mathematical sciences departments for their cooperation and assistance in responding to the survey questionnaires.

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Table F.1: Total Faculty, Fall 2016

	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 full-time faculty	**2295**	**2130**	**2423**	**1143**	**859**	**587**	**9437**	**4243**	**9242**	**22922**	**1389**	**1065**	**2454**	**25376**
Standard error	*79*	*41*	*63*	*32*	*31*	*23*	*120*	*125*	*210*	*272*	*68*	*76*	*76*	**331**
Tenured	1205	1078	1293	564	480	289	4909	2294	4936	12139	734	361	1095	13234
Full Professors	965	780	824	508	356	204	3637	1344	2843	7824	545	263	808	8632
Other	240	298	469	56	124	85	1272	950	2093	4315	189	98	287	4602
Tenure-eligible (without tenure)	184	274	346	96	111	73	1084	608	1661	3353	250	218	468	3821
Non-tenured-track	906	778	784	483	268	225	3444	1341	2645	7430	405	486	891	8321
Postdoctoral appointments	462	246	104	317	75	85	1289	58	130	1477	115	65	180	1657
Renewable appointments	407	415	598	99	149	131	1799	1075	2041	4915	256	388	644	5559
Fixed-term appointments	31	106	52	63	44	4	300	193	416	909	28	18	46	955
Other appointments	6	11	30	4	0	5	56	15	58	129	6	15	21	150
Doctoral full-time faculty	**2193**	**1916**	**2028**	**1135**	**813**	**547**	**8632**	**3267**	**7380**	**19279**	**1331**	**970**	**2301**	**21580**
Standard error	*63*	*38*	*52*	*31*	*30*	*22*	*38*	*74*	*96*	*127*	*64*	*63*	*63*	*136*
Tenured	1205	1077	1287	564	480	289	4902	2239	4690	11831	733	361	1094	12925
Full Professors	965	780	822	508	356	204	3635	1319	2761	7715	545	263	808	8523
Other	240	297	465	56	124	85	1267	920	1929	4116	188	98	286	4402
Tenure-eligible (without tenure)	184	274	346	96	111	73	1084	589	1556	3229	250	216	466	3695
Non-tenured-track	804	565	395	475	222	185	2646	439	1134	4219	348	393	741	4960
Postdoctoral appointments	462	246	104	317	75	85	1289	58	130	1477	115	65	180	1657
Renewable appointments	314	239	248	97	106	93	1097	300	760	2157	203	299	502	2659
Fixed-term appointments	22	73	29	57	41	4	226	79	217	522	24	18	42	564
Other appointments	6	7	14	4	0	3	34	2	27	63	6	11	17	80
Nondoctoral full-time faculty	**102**	**214**	**395**	**8**	**46**	**40**	**805**	**976**	**1862**	**3643**	**58**	**95**	**153**	**3796**
Standard error	*22*	*14*	*26*	*3*	*9*	*6*	*38*	*74*	*96*	*127*	*8*	*74*	*21*	*136*
Tenured	0	1	6	0	0	0	7	55	246	308	1	0	1	309
Full Professors	0	0	2	0	0	0	2	25	82	109	0	0	0	109
Other	0	1	4	0	0	0	5	30	164	199	1	0	1	200
Tenure-eligible (without tenure)	0	0	0	0	0	0	0	19	105	124	0	2	2	126
Non-tenured-track	102	213	389	8	46	40	798	902	1511	3211	57	93	150	3361
Renewable appointments	93	176	350	2	43	38	702	775	1281	2758	53	89	142	2900
Fixed-term appointments	9	33	23	6	3	0	74	114	199	387	4	0	4	391
Other appointments	0	4	16	0	0	2	22	13	31	66	0	4	4	70
Total part-time faculty	**216**	**394**	**458**	**76**	**140**	**70**	**1354**	**1918**	**4345**	**7617**	**141**	**131**	**272**	**7889**
Standard error	*35*	*22*	*23*	*7*	*14*	*6*	*50*	*163*	*235*	*290*	*24*	*49*	*49*	*304*
Doctoral	**112**	**144**	**155**	**62**	**76**	**33**	**582**	**303**	**887**	**1772**	**95**	**106**	**201**	**1973**
Faculty with benefits received	77	51	41	10	30	4	213	84	195	492	45	7	52	544
Other part-time faculty	28	72	104	44	40	24	312	191	662	1165	26	92	118	1283
Phased Retirements	7	21	10	8	6	5	57	28	30	115	24	7	31	146
Nondoctoral	**104**	**250**	**303**	**14**	**64**	**37**	**772**	**1615**	**3458**	**5845**	**46**	**25**	**71**	**5916**
Faculty with benefits received	77	99	101	4	13	16	310	495	589	1394	18	1	19	1413
Other part-time faculty	27	146	202	10	51	21	457	1103	2859	4419	27	24	51	4470
Phased Retirements	0	5	0	0	0	0	5	17	10	32	1	0	1	33

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Table F.2: Summary of Full-Time and Part-Time Faculty, Fall 2016

	GROUP											
	All Doctoral Math Combined			Masters & Bachelors			Statistics & Biostatistics			Total		
	Men	Women	Other	Men	Women	Other	Men	Women	Other	Men	Women	Other
Full-time faculty	**7229**	**2208**	**-**	**8721**	**4758**	**6**	**1627**	**827**	**-**	**17577**	**7793**	**6**
Percentage	*77%*	*23%*	-	*65%*	*35%*	*<1%*	*66%*	*34%*	-	*69%*	*31%*	*<1%*
Doctoral full-time faculty	**6887**	**1745**	**-**	**7415**	**3227**	**5**	**1574**	**727**	**-**	**15876**	**5699**	**5**
Percentage	*80%*	*20%*	-	*70%*	*30%*	*<1%*	*68%*	*32%*	-	*74%*	*26%*	*<1%*
Tenured	4195	707	-	5055	1874	-	835	259	-	10085	2840	-
Percentage	*86%*	*14%*	-	*73%*	*27%*	-	*76%*	*24%*	-	*78%*	*22%*	-
Tenure-eligible (without tenure)	802	282	-	1310	835	-	329	137	-	2441	1254	-
Percentage	*74%*	*26%*	-	*61%*	*39%*	-	*71%*	*29%*	-	*66%*	*34%*	-
Non-tenure-track*	1890	756	-	1050	518	5	410	331	-	3350	1605	5
Percentage	*71%*	*29%*	-	*67%*	*33%*	*<1%*	*55%*	*45%*	-	*68%*	*32%*	*<1%*
Nondoctoral full-time faculty	**342**	**463**	**-**	**1306**	**1531**	**1**	**53**	**100**	**-**	**1701**	**2094**	**1**
Percentage	*42%*	*58%*	-	*46%*	*54%*	*<1%*	*35%*	*65%*	-	*45%*	*55%*	*<1%*
Tenured	3	4	-	189	111	1	1	-	-	193	115	1
Precentage	*43%*	*57%*	-	*63%*	*37%*	*<1%*	*100%*	-	-	*62%*	*37%*	*<1%*
Tenure-eligible (without tenure)	-	-	-	62	62	-	1	1	-	63	63	-
Percentage	-	-	-	*50%*	*50%*	-	*50%*	*50%*	-	*50%*	*50%*	-
Non-tenure-track	339	459	-	1055	1358	-	51	99	-	1445	1916	-
Percentage	*42%*	*58%*	-	*44%*	*56%*	-	*34%*	*66%*	-	*43%*	*57%*	-
Part-time	**823**	**531**	**-**	**3572**	**2691**	**-**	**180**	**92**	**-**	**4575**	**3314**	**-**
Percentage	*61%*	*39%*	*<1%*	*57%*	*43%*	*<1%*	*66%*	*34%*	-	*58%*	*42%*	*<1%*
Doctoral	416	166	-	831	359	-	144	57	-	1391	582	-
Percentage	*71%*	*29%*	-	*70%*	*30%*	*<1%*	*72%*	*28%*	-	*71%*	*29%*	*<1%*
Nondoctoral	407	365	-	2741	2332	-	36	35	-	3184	2732	-
Percentage	*53%*	*47%*	*<1%*	*54%*	*46%*	*<1%*	*51%*	*49%*	-	*54%*	*46%*	*<1%*

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

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Table F.3: Part-Time Faculty, Fall 2016

Part-time Faculty	GROUP														
	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	416	166	-	229	74	-	602	285	-	144	57	-	1391	582	-
Nondoctoral	407	365	-	928	687	-	1813	1645	-	36	35	-	3184	2732	-
Total	**823**	**531**	**-**	**1157**	**761**	**-**	**2415**	**1930**	**-**	**180**	**92**	**-**	**4575**	**3314**	**-**

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Table F.4: Full-time Faculty Teaching Courses Outside the Mathematical Sciences, Fall 2016

Full-time Faculty	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
Teaching Outside the Math. Sci.	25	52	67	17	31	8	**200**	278	1820	**2298**	22	153	**175**	2473
Standard Error	*4*	*9*	*6*	*5*	5	*1*	14	*36*	*75*	**85**	*2*	*27*	**27**	94
Percentage of full-time faculty	1%	2%	3%	1%	4%	1%	2%	7%	20%	9%	2%	14%	7%	10%
Teaching Computer Science only	5	1	11	13	9	1	**40**	93	637	**770**	2	15	**17**	787
Standard Error	*1*	*0*	*3*	*3*	3	*0*	**5**	*19*	*36*	**41**	*0*	*7*	**7**	43
Percentage of full-time Outside Math. Sci.	20%	2%	16%	76%	29%	13%	**20%**	33%	35%	**34%**	9%	10%	**10%**	32%

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Table DF.1: Doctoral Full-Time Faculty, Fall 2016

Full-time Faculty	GROUP												Totals			
	All Doctoral Math Combined			Masters			Bachelors			Statistics & Biostatistics						
	Men	Women	Other	Men	Women	Other	Men	Women	Other	Men	Women	Other	ALL	Men	Women	Other
With a Doctorate	**7917**	**2004**	**0**	**2395**	**928**	**2**	**5155**	**2352**	**3**	**1701**	**780**	**0**	**23237**	**17168**	**6064**	**5**
Tenured	4195	707	0	1680	559	0	3375	1315	0	835	259	0	12925	10085	2840	0
Full Professors	3220	415	0	1050	269	0	2091	670	0	663	145	0	8523	7024	1499	0
Other	975	292	0	630	290	0	1284	645	0	172	114	0	4402	3061	1341	0
Tenure-eligible (without tenure)	802	282	0	369	220	0	941	615	0	329	137	0	3695	2441	1254	0
Non-tenure-track	1890	756	0	293	144	2	757	374	3	410	331	0	4960	3350	1605	5
Postdoctoral appointments	1030	259	0	53	5	0	82	48	0	127	53	0	1657	1292	365	0
Renewable appointments	679	418	0	186	112	2	497	260	3	247	255	0	2659	1609	1045	5
Fixed-term appointments	161	65	0	52	27	0	160	57	0	23	19	0	564	396	168	0
Other appointments	20	14	0	2	0	0	18	9	0	13	4	0	80	53	27	0

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Table NF.1: Nondoctoral Full-Time Faculty, Fall 2016

Full-time Faculty	GROUP												Totals			
	All Doctoral Math Combined			Masters			Bachelors			Statistics & Biostatistics						
	Men	Women	Other	Men	Women	Other	Men	Women	Other	Men	Women	Other	ALL	Men	Women	Other
Without a Doctorate	**342**	**463**	**0**	**451**	**524**	**1**	**855**	**1007**	**0**	**53**	**100**	**0**	**3796**	**1701**	**2094**	**1**
Tenured	3	4	0	35	19	1	154	92	0	1	0	0	309	193	115	1
Full Professors	1	1	0	16	9	0	52	30	0	0	0	0	109	69	40	0
Other	2	3	0	19	10	1	102	62	0	1	0	0	200	124	75	1
Tenure-eligible (without tenure)	0	0	0	13	6	0	49	56	0	1	1	0	126	63	63	0
Non-tenure-track	339	459	0	403	499	0	652	859	0	51	99	0	3361	1445	1916	0
Renewable appointments	299	403	0	337	438	0	539	742	0	49	93	0	2900	1224	1676	0
Fixed-term appointments	29	45	0	61	53	0	104	95	0	2	2	0	391	196	195	0
Other appointments	11	11	0	5	8	0	9	22	0	0	4	0	70	25	45	0

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Table FF.1: Total Women Faculty, Fall 2016

	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	**466**	**540**	**733**	**170**	**187**	**112**	**2208**	**1447**	**3311**	**6966**	**393**	**434**	**827**	**7793**
Standard error	*17*	*13*	*21*	*7*	*7*	*4*	*32*	*43*	*80*	*96*	*14*	*33*	*33*	*114*
Tenured	152	141	260	60	66	32	711	578	1407	2696	161	98	259	2955
Full Professors	100	76	133	51	36	19	415	269	670	1354	87	58	145	1499
Other	52	64	124	9	30	13	292	290	645	1227	74	40	114	1341
Tenure-eligible (without tenure)	45	77	97	18	27	18	282	226	671	1179	64	74	138	1317
Non-tenured-track	269	322	376	92	94	62	1271	643	1233	3147	168	262	436	3521
Postdoctoral appointments	103	51	20	47	21	17	259	5	48	312	22	31	53	365
Renewable appointments	153	222	318	26	59	43	877	550	1002	2429	130	218	354	2721
Fixed-term appointments	10	46	22	17	14	1	110	80	152	342	15	6	21	363
Other appointments	3	3	16	2	-	1	25	8	31	64	1	7	8	72
Doctoral Women full-time faculty	**416**	**407**	**494**	**167**	**162**	**99**	**1745**	**923**	**2304**	**4972**	**357**	**370**	**727**	**5699**
Standard error	*14*	*11*	*16*	*7*	*7*	*3*	*26*	*30*	*65*	*77*	*12*	*27*	*27*	*91*
Tenured	152	140	257	60	66	32	707	559	1315	2581	161	98	259	2840
Full Professors	100	76	133	51	36	19	415	269	670	1354	87	58	145	1499
Other	52	64	124	9	30	13	292	290	645	1227	74	40	114	1341
Tenure-eligible (without tenure)	45	77	97	18	27	18	282	220	615	1117	64	73	137	1254
Non-tenured-track	219	190	140	89	69	49	756	144	374	1274	132	199	331	1605
Postdoctoral appointments	103	51	20	47	21	17	259	5	48	312	22	31	53	365
Renewable appointments	107	110	109	26	36	30	418	112	260	790	96	159	255	1045
Fixed-term appointments	6	26	6	14	12	1	65	27	57	149	13	6	19	168
Other appointments	3	3	5	2	-	1	14	-	9	23	1	3	4	27
Nondoctoral Women full-time faculty	**50**	**133**	**239**	**3**	**25**	**13**	**463**	**524**	**1007**	**1994**	**36**	**64**	**100**	**2094**
Standard error	*7*	*6*	*12*	*1*	*3*	*2*	*65*	*35*	*53*	*65*	*4*	*14*	*14*	*70*
Tenured	-	1	3	-	-	-	4	19	92	115	-	-	-	115
Full Professors	-	-	1	-	-	-	1	9	30	40	-	-	-	40
Other	-	1	2	-	-	-	3	10	62	75	-	-	-	75
Tenure-eligible (without tenure)	-	-	-	-	-	-	-	6	56	62	-	1	1	63
Non-tenured-track	50	132	236	3	25	13	459	499	859	1817	36	63	99	1916
Renewable appointments	46	112	209	-	23	13	403	438	742	1583	34	59	93	1676
Fixed-term appointments	4	20	16	3	2	-	45	53	95	193	2	-	2	195
Other appointments	-	-	11	-	-	-	11	8	22	41	-	4	4	45
Total Women part-time faculty	**79**	**160**	**201**	**14**	**52**	**25**	**531**	**761**	**1930**	**3222**	**40**	**52**	**92**	**3314**
Standard error	*9*	*6*	*9*	*2*	*4*	*3*	*15*	*49*	*84*	*98*	*4*	*14*	*14*	*101*
Doctoral	37	45	49	12	20	3	166	74	285	525	20	37	57	582
Faculty with benefits received	28	18	14	1	10	-	71	14	57	142	13	3	16	158
Other part-time faculty	8	25	35	11	10	2	91	55	225	371	5	31	36	407
Phased Retirements	1	2	-	-	-	1	4	5	3	12	2	3	5	17
NonDoctoral	42	115	152	2	32	22	365	687	1645	2697	20	15	35	2732
Faculty with benefits received	31	45	51	-	8	10	145	206	265	616	9	1	10	626
Other part-time faculty	11	70	101	2	24	12	220	473	1377	2070	11	14	25	2095
Phased Retirements	-	-	-	-	-	-	-	8	3	11	-	-	-	11

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Table FF.2: Summary of Total Women Faculty, Fall 2016

	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	**466**	**540**	**733**	**170**	**187**	**112**	**2208**	**1447**	**3311**	**6966**	**393**	**434**	**827**	**7793**
Standard error	*17*	*13*	*21*	*7*	*7*	*4*	*32*	*43*	*80*	*96*	*14*	*33*	*33*	**114**
Tenured	152	141	260	60	66	32	711	578	1407	2696	161	98	259	**2955**
Tenure-eligible (without tenure)	45	77	97	18	27	18	282	226	671	1179	64	74	138	1317
Non-tenured-track	269	322	376	92	94	62	1215	643	1233	3091	168	262	430	3521
Postdoctoral appointments	103	51	20	47	21	17	259	5	48	312	22	31	53	365
Doctoral Women full-time faculty	**416**	**407**	**494**	**167**	**162**	**99**	**1745**	**923**	**2304**	**4972**	**357**	**370**	**727**	**5699**
Standard error	*63*	*38*	*52*	*31*	*30*	*22*	*38*	*74*	*96*	*127*	*64*	*63*	*63*	*136*
Tenured	152	140	257	60	66	32	707	559	1315	2581	161	98	259	2840
Tenure-eligible (without tenure)	45	77	97	18	27	18	282	220	615	1117	64	73	137	1254
Non-tenured-track	219	190	140	89	69	49	756	144	374	1274	132	199	331	1605
Postdoctoral appointments	103	51	20	47	21	17	259	5	48	312	22	31	53	365
Nondoctoral Women full-time facul	**50**	**133**	**239**	**3**	**25**	**13**	**463**	**524**	**1007**	**1994**	**36**	**64**	**100**	**2094**
Standard error	*22*	*14*	*26*	*3*	*9*	*6*	*38*	*74*	*96*	*127*	*8*	*74*	*21*	*136*
Tenured	-	1	3	-	-	-	4	19	92	115	-	-	-	115
Tenure-eligible (without tenure)	-	-	-	-	-	-	-	6	56	62	-	1	1	63
Non-tenured-track	50	132	236	3	25	13	459	499	859	1817	36	63	99	1916
Total Women part-time faculty	**79**	**160**	**201**	**14**	**52**	**25**	**531**	**761**	**1930**	**3222**	**40**	**52**	**92**	**3314**
Standard error	*35*	*22*	*23*	*7*	*14*	*6*	*50*	*163*	*235*	*290*	*24*	*49*	49	*304*
Doctoral	37	45	49	12	20	3	166	74	285	525	20	37	57	582
NonDoctoral	42	115	152	2	32	22	365	687	1645	2697	20	15	35	2732

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Table FF.3: Full-Time Faculty with Percent Women, Fall 2016

	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	**2295**	**2130**	**2423**	**1143**	**859**	**587**	**9437**	**4243**	**9242**	**22922**	**1389**	**1065**	**25376**
Percentage of total full-time faculty	9%	8%	10%	5%	3%	2%	37%	17%	36%	90%	5%	4%	100%
Women full-time faculty	**466**	**540**	**733**	**170**	**187**	**112**	**2208**	**1447**	**3311**	**6966**	**393**	**434**	**7793**
Percentage of total women full-time faculty	6%	7%	9%	2%	2%	1%	28%	19%	42%	89%	5%	6%	100%
As a percentage of women full-time faculty within group faculty	20%	25%	30%	15%	22%	19%	23%	34%	36%	30%	28%	41%	31%

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Table FF.4: Mathematics Faculty Counts and Percentage Women, Fall 2005-2016

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
All Doctoral Mathematics												
Doctoral full-time faculty												
Tenured/tenure-eligible	**5686**	**5668**	**5709**	**5666**	**5834**	**5742**	**5775**	**5812**	**5829**	**5801**	**5786**	**5986**
Percentage Women	11%	12%	12%	13%	13%	14%	14%	14%	15%	16%	16%	17%
Nontenured*	**1401**	**1461**	**1576**	**1598**	**1681**	**1770**	**1837**	**1996**	**1989**	**2359**	**2423**	**2646**
Percentage Women	24%	25%	25%	25%	27%	28%	27%	27%	29%	29%	28%	29%
Part-time faculty	**1054**	**1128**	**1143**	**1165**	**1154**	**1118**	**1099**	**1174**	**1334**	**1380**	**1380**	**1354**
Percentage Women	37%	40%	37%	37%	39%	38%	38%	36%	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**
Percentage Women	24%	25%	25%	26%	27%	27%	28%	28%	29%	28%	28%	28%
Nontenured*	**263**	**283**	**232**	**232**	**220**	**236**	**245**	**275**	**331**	**470**	**419**	**439**
Percentage Women	36%	28%	38%	32%	31%	38%	39%	38%	41%	34%	33%	33%
Part-time faculty	**1842**	**1493**	**1868**	**1824**	**1802**	**1781**	**1762**	**2084**	**2128**	**2197**	**1902**	**1918**
Percentage Women	37%	41%	39%	42%	44%	43%	42%	44%	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**
Percentage Women	25%	27%	27%	25%	29%	29%	29%	29%	30%	32%	31%	31%
Nontenured*	**516**	**545**	**363**	**532**	**636**	**521**	**672**	**685**	**438**	**997**	**1037**	**1134**
Percentage Women	32%	25%	33%	26%	28%	23%	34%	33%	26%	33%	34%	33%
Part-time faculty	**3630**	**3922**	**4053**	**3703**	**3614**	**3167**	**3087**	**3649**	**4334**	**4437**	**4402**	**4345**
Percentage Women	41%	40%	43%	46%	43%	47%	43%	41%	42%	46%	43%	44%

* Includes postdoctoral appointments.

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Table UE.1: Undergraduate Enrollment per Full-time-Faculty Member, Fall 2016

	Math Public Large	Math Public Medium	Math Public Small	Math Private Large	Math Private Small	Applied Math	Masters	Bachelors	Statistics	Biostatistics
Undergraduate Enrollment	106	133	132	43	87	75	120	92	79	3
Standard error	*6*	*2*	*7*	*2*	*2*	*2*	*14*	*15*	*4*	*14*

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Table UE.2: Undergraduate Enrollment (Thousands) by Department Group, 2012 - 2016

	Math Public Large	Math Public Medium	Math Public Small	Math Private Large	Math Private Small	Applied Math	Masters	Bachelors	Statistics	Biostatistics	Total
2012	212	271	293	46	68	42	488	891	94	4	2407
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
Standard error	*6*	*2*	*7*	*2*	*2*	*2*	*14*	*15*	*4*	*0*	*26*

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Table UE.3: Undergraduate Enrollment per Full-time-Faculty Member, Fall 2012 - 2016

	Math Public Large	Math Public Medium	Math Public Small	Math Private Large	Math Private Small	Applied Math	Masters	Bachelors	Statistics	Biostatistics
2012	106	136	136	40	88	74	112	96	79	4
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

*Figures in red indicate corrections from published report.

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Table GE.1: Graduate Enrollment per Full-time Tenured and Tenure-eligible Faculty Member, Fall 2016

	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	8	10	7	16	5	-	30	30
Standard error	*0*	*0*	*0*	*0*	*0*	*0*	*1*	-	*2*	*3*

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Table GE.2: Graduate Course Enrollments (Thousands) by Department Group, 2012- 2016

	Math Public Large	Math Public Medium	Math Public Small	Math Private Large	Math Private Small	Applied Math	Masters	Statistics	Biostatistics	Total
2012	12	11	11	7	3	5	16	26	15	106
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
Standard error	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*2*	*3*	*5*

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Table UD.1: Undergraduate Degrees Awarded, 2015-2016* 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	**4239**	**3037**	**2513**	**1828**	**1614**	**850**	**14081**	**4713**	**13588**	**32382**	**1811**	**26**	**1837**	**34219**
Standard error	*396*	*125*	*104*	*137*	*105*	*105*	*474*	*314*	*539*	*784*	*257*	*14*	*258*	*825*
Mathematics	3759	2677	2014	1684	1296	828	12258	3564	8571	24393	58	24	82	24475
Math Education	115	192	243	74	242	0	866	489	1563	2918	0	0	0	2918
Statistics only	69	63	110	1	19	10	272	191	312	775	1658	2	1660	2435
Computer Science only	51	77	66	69	44	4	311	247	1911	2469	0	0	0	2469
Other	245	28	80	0	13	8	374	222	1231	1827	95	0	95	1922
Women Undergraduate Degrees														
Degrees Awarded	**1616**	**1182**	**1047**	**511**	**536**	**280**	**5172**	**1711**	**5917**	**12800**	**770**	**8**	**778**	**13578**
Standard error	*173*	*48*	*50*	*55*	*42*	*36*	*202*	*147*	*257*	*359*	*101*	*4*	*102*	*373*
Mathematics	1402	1000	806	488	505	271	4472	1178	3744	9394	41	7	48	9442
Math Education	71	140	169	1	1	0	382	312	1079	1773	0	0	0	1773
Statistics only	31	32	42	0	9	6	**120**	85	154	**359**	695	1	696	1055
Computer Science only	19	10	5	22	15	1	**72**	32	421	**525**	0	0	0	525
Other	93	0	25	0	6	2	**126**	104	519	**749**	34	0	34	783

*Degrees awarded between July 1, 2015 and June 30, 2016.

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Table UD.2: Undergraduate Degrees Awarded, All Mathematics Combined for 2008-2016*

	2008-2009	2009-2010	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016
Total Undergraduate Degrees Awarded	**24328**	**23438**	**25621**	**26761**	**28423**	**28277**	**29101**	**32382**
Women Undergraduate Degrees Awarded	9987	10118	10293	10980	11737	11706	11879	12800
Percentage women	41%	43%	44%	41%	41%	41%	41%	40%

*Degrees awarded between July 1, 2015 and June 30, 2016.

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Table MD.1: Masters Degrees Awarded, 2015-2016* 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 Combined	Statistics	Biostatistics	Statistics & Biostatistics Combined	Total All Groups Combined
Total Masters Degrees												
Degrees Awarded	**530**	**676**	**741**	**452**	**215**	**459**	**2287**	**5360**	**1954**	**640**	**2594**	**7954**
Standard error	*46*	*28*	*41*	*96*	*40*	*40*	*678*	*690*	342	53	*346*	772
Mathematics	451	478	414	408	174	329	932	3186	22	200	222	3408
Math Education	10	46	125	1	14	0	227	423	0	0	0	423
Statistics only	53	85	165	14	23	106	370	816	1739	187	1926	2742
Computer Science only	0	0	26	14	4	0	635	679	0	0	0	679
Other	16	67	11	15	0	24	123	256	193	253	446	702
Women Master's Degrees												
Degrees Awarded	**187**	**279**	**312**	**128**	**90**	**157**	**881**	**2034**	**894**	**275**	**1169**	**3203**
Mathematics	142	162	148	111	66	99	268	996	2	17	19	1015
Math Education	8	36	74	1	9	0	151	279	0	0	0	279
Statistics only	32	37	70	2	15	48	192	**396**	819	96	915	1311
Computer Science only	0	0	16	3	0	0	208	**227**	0	0	0	227
Other	5	44	4	11	0	10	62	**136**	73	162	235	371

*Degrees awarded between July 1, 2015 and June 30, 2016.

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Table MD.2: Masters Degrees Awarded, All Mathematics Combined for 2008-2016*

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

*Degrees awarded between July 1, 2015 and June 30, 2016.

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Table GE.3: Graduate Enrollment per Full-time Tenured and Tenure-eligible Faculty Member, Fall 2012-2016

	Math Public Large	Math Public Medium	Math Public Small	Math Private Large	Math Private Small	Applied Math	Masters	Bachelors	Statistics	Biostatistics
2012	9	8	7	10	6	14	5	-	30	29
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

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Table GS.1: Graduate Students, Fall 2016

	Math Public Large	Math Public Medium	Math Public Small	Math Private Large	Math Private Small	Applied Math	All Doctoral Math Combined	Masters	All Math Combined	Statistics	Biostatistics	Statistics & Biostatistics Combined	Total All Groups Combined
Total Graduate Students													
Full-time	**3424**	**2965**	**2891**	**1910**	**1029**	**1483**	**13702**	**2603**	**16305**	**5431**	**2077**	**7508**	**23813**
Standard error							*275*	*245*	*368*	*640*	*218*	*676*	
First-year graduate students	827	745	765	558	352	457	3704	1155	4859	1877	666	2543	**7402**
Standard error							*105*	*139*	*174*	*325*	*78*	*334*	
Part-time	137	350	758	169	153	234	1801	1964	3765	352	380	732	**4497**
Standard error							*99*	*332*	*347*	*47*	*66*	*81*	
Women Graduate Students													
Full-time	**888**	**938**	**1010**	**531**	**301**	**478**	**4146**	**1021**	**5167**	**2357**	**1160**	**3517**	**8684**
First-year full-time	223	241	282	182	113	159	1200	382	1582	858	411	1269	**2851**
Part-time	56	149	278	55	58	76	672	957	1629	127	207	4786	**1963**
US Citizen & Permanent Residents Graduate Students													
Full-time	**1876**	**1763**	**1715**	**618**	**489**	**670**	**7131**	**1762**	**8893**	**1732**	**962**	**2694**	**11587**
Standard error							*148*	*154*	*214*	*117*	*117*	*166*	
First-year full-time	407	436	471	120	144	201	1779	800	2579	592	297	889	**3468**
Part-time	115	292	667	98	116	178	1466	1835	3301	245	286	3749	**3832**
Standard error							*91*	*322*	*334*	*38*	*57*	*69*	

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Table GS.2: Full-Time Graduate Students in All Doctoral Mathematics Departments Combined by Gender and Citizenship, Fall 2007-2016

	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Total full-time graduate students	**10937**	**10883**	**11286**	**13048**	**12514**	**12684**	**12961**	**13023**	**13431**	**13702**
Women	3249	3193	3248	3839	3773	3771	3969	3925	4039	4146
% Women	30%	29%	29%	29%	30%	30%	31%	30%	30%	30%
% US Citizen & Permanent Residents[1]	56%	55%	56%	57%	56%	54%	53%	55%	53%	52%
% Underrepresented minorities[2]	9%	9%	9%	11%	8%	8%	9%	11%	15%	13%
Total first-year graduate students	**2964**	**2924**	**3040**	**3313**	**3288**	**3394**	**3623**	**3551**	**3646**	**3704**
Women	950	870	904	1019	1077	1036	1205	1193	1188	1200
% Women	32%	30%	30%	31%	33%	31%	33%	34%	33%	32%
% US Citizen & Permanent Residents[1]	56%	56%	55%	51%	50%	54%	53%	55%	53%	52%
% Underrepresented minorities[2]	10%	10%	9%	9%	9%	7%	10%	13%	14%	12%

[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 2016

	Math Public Large	Math Public Medium	Math Public Small	Math Private Large	Math Private Small	Applied Math	All Doctoral Math Combined	Masters	All Math Combined	Statistics	Biostatistics	Statistics & Biostatistics Combined	Total All Groups Combined
Total Full-time Graduate Students	3424	2965	2891	1910	1029	1483	**13702**	2603	**16305**	5431	2077	**7508**	23813
Standard error							*275*	*245*	*368*	*640*	*218*	*676*	
US Citizen & Permanent Residents1	1876	1763	1715	618	489	670	**7131**	1762	**8893**	1732	962	**2694**	11587
Non-US Citizen	1548	1202	1176	1292	540	813	**6571**	841	**7412**	3699	1115	**4814**	12226
Total First-year Graduate Students	827	745	765	558	352	457	**3704**	1155	**4859**	1877	666	**2543**	7402
Standard error							*105*	*139*	*174*	*325*	*78*	*334*	
US Citizen & Permanent Residents1	407	436	471	120	144	201	**1779**	800	**2579**	592	297	**889**	3468
Non-US Citizen	420	309	294	438	208	256	**1925**	355	**2280**	1285	369	**1654**	3934
Total Part-time Graduate Students	137	350	758	169	153	234	**1801**	1964	**3765**	352	380	**732**	4497
Standard error							*99*	*332*	*347*	*47*	*66*	*81*	
US Citizen & Permanent Residents1	115	292	667	98	116	178	**1466**	1835	**3301**	245	286	**531**	3832
Non-US Citizen	22	58	91	71	37	56	**335**	129	**464**	107	94	**201**	665