

# 2019 Departmental Profile Report

*Rankin Climate, LLC*

## Introduction

This report serves as a comprehensive summary of data pertaining to Mathematical and Statistical Sciences (MSS) departments within four-year colleges and universities across the United States as of the fall of 2019. Compiled through a census of these departments, the information provided encompasses details such as faculty composition, departmental leadership, undergraduate and graduate course enrollments, as well as the number of degrees conferred at both the undergraduate and graduate levels.<sup>1</sup> We also provide detailed data tables as an additional resource. In this report, data are reported in the aggregate by department grouping. Definitions of terms such as “Mathematical and Statistical Sciences,” “Math,” and “Stats,” along with a description of the faculty categories, are provided in the Methodology section of this report.

## Key Departmental Profile Takeaways

### Doctoral Math departments.

- Approximately one-third (34%,  $n = 11,422$ ) of MSS faculty were in Doctoral Math departments.
- 41% ( $n = 14,417$ ) of undergraduate degrees were granted by Doctoral Math departments.

### Statistics & Biostatistics departments.

- Biostatistics programs had the lowest undergraduate to full-time faculty ratio (4:1).
- Statistics (30:1) and Biostatistics (27:1) departments had the highest ratios of graduate enroll-

ment per full-time tenured and tenure-eligible faculty member.

### Bachelor's departments.

- From 2018 to 2019, the number of full-time faculty in bachelor's-level programs declined 11% from 9,479 to 8,482, and the number of MSS undergraduate degrees conferred at bachelor's-level institutions declined 11% from 14,345 to 12,732.

### Master's departments.

- Master's departments had one of the highest proportions of part-time faculty (33%,  $n = 2,175$ ).
- Master's departments had one of the lowest graduate student to faculty ratios (5:1).

### Gender disparities across MSS departments.

- 34% of MSS faculty identified as women. Doctoral Math departments had the lowest percentage of women faculty (27%,  $n = 3,031$ ).
- 25% ( $n = 121$ ) of MSS department chairs were women. There were no women chairs of Doctoral Math Private Large departments.
- 56% ( $n = 12,329$ ) of the male faculty were in tenured/tenure-eligible positions, while the majority of women faculty (58%,  $n = 6,709$ ) were in non-tenure-eligible and part-time positions.
- Biostatistics departments had the largest proportions of women undergraduate (55%,  $n = 24$ ) and master's (58%,  $n = 262$ ) degree earners.

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DOI: <https://doi.org/10.1090/noti3178>

<sup>1</sup>Imputation was used in cases where there was missing data. See the Methodology section for more information.

## MSS Faculty

**Full-time faculty.** From 2018 to 2019, the number of full-time faculty decreased by 2%, from 25,875 to 25,323. During this time, the number of full-time faculty in bachelor's-level programs declined 11%, from 9,479 to 8,482. Table 1 provides a year-over-year overview of full-time MSS faculty by department grouping.

**Table 1. Full-time Faculty by Department Grouping**

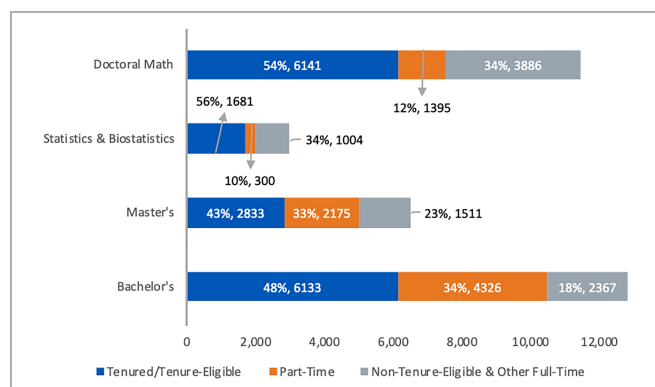
Department Grouping	Full-Time Faculty in 2018	Full-Time Faculty in 2019
Doctoral Math Public Large	2,251	2,245
Doctoral Math Public Medium	2,182	2,276
Doctoral Math Public Small	2,603	2,615
Doctoral Math Private Large	1,178	1,206
Doctoral Math Private Small	810	815
Doctoral Applied Math	600	701
Doctoral Statistics	1,494	1,531
Doctoral Biostatistics	1,157	1,121
Master's	4,121	4,331
Bachelor's	9,479	8,482
<b>TOTAL FULL-TIME FACULTY</b>	<b>25,875</b>	<b>25,323</b>

**All MSS faculty.** In the fall of 2019, the total number of MSS faculty was 33,752 (SE = 843). 57% ( $n = 19,345$ ) of those MSS faculty were in Bachelor's or Master's departments and one-third (34%,  $n = 11,422$ ) were in Doctoral Math departments. As illustrated in Figure 1, one-half (50%,  $n = 16,788$ ) of MSS faculty held full-time tenured/tenure-eligible roles, 24% ( $n = 8,196$ ) were in part-time faculty positions, and 26% ( $n = 8,768$ ) were in non-tenure-eligible or other full-time positions. Bachelor's (34%,  $n = 4,326$ ) and Master's (33%,  $n = 2,175$ ) departments had the highest proportions of part-time faculty. See Table F.1 (p. 14) for a detailed accounting of MSS faculty by position and department grouping.<sup>2</sup>

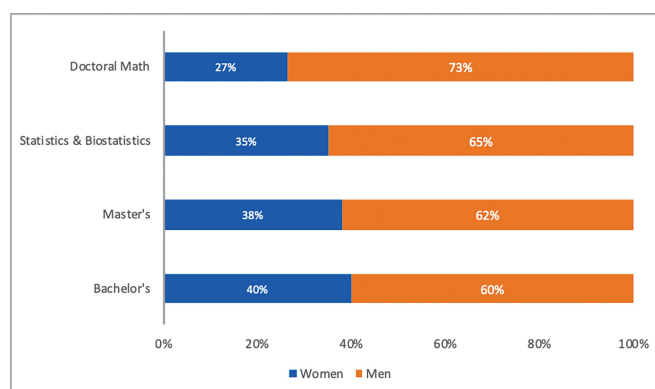
**Faculty by gender identity.** Figure 2 displays the faculty gender percentages by department grouping. It should be noted that the percentages for men faculty are much higher than for women faculty across all department groups. Table FF.5 in the Appendix (page 25) has the detailed breakdown of gender numbers and percentages by department type. When looking at individual Doctoral Math department groupings, Doctoral Math Public Small departments (33%,  $n = 1,055$ ) had the highest percentages of women faculty, while Doctoral Math Private Large departments had the lowest percentages (17%,  $n = 215$ ). Of all MSS faculty in the fall of 2019, 34% ( $n = 11,604$ ) identified as women, and 66% ( $n = 22,100$ ) identified as men (Table FF.5).<sup>3</sup>

<sup>2</sup>Note that "Doctoral Math" includes Doctoral Math Public Large, Medium, and Small; Doctoral Math Private Large and Small; and Doctoral Applied Math departments. The "Statistics & Biostatistics" group includes both Doctoral Statistics and Doctoral Biostatistics departments.

<sup>3</sup>Non-binary/Other gender data are not reported to protect confidentiality.

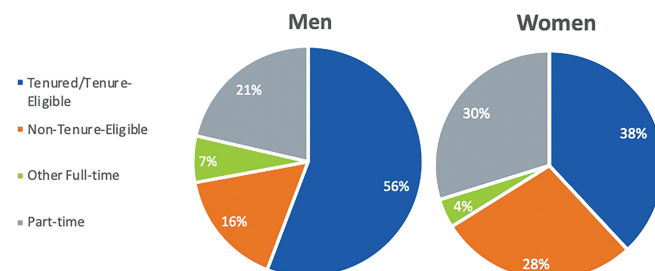


**Figure 1. Faculty position by department grouping, 2019.**



**Figure 2. Faculty gender by department grouping, 2019.**

As shown in the Table FF.5, the highest proportions of women faculty by position, compared to men faculty, were in the non-tenure-eligible (47%,  $n = 3,252$ ) and part-time (42%,  $n = 3,475$ ) faculty groups, while the lowest percentages were in tenured/tenure-eligible (26%,  $n = 4,421$ ), postdoc (25%,  $n = 418$ ), and visiting (24%,  $n = 55$ ) positions. Figure 3 provides a concise summary of Table FF.5. While 56% ( $n = 12,329$ ) of all men faculty were in tenured/tenure-eligible positions, the majority of women faculty (58%,  $n = 6,709$ ) were in non-tenure-eligible and part-time positions (Figure 3).



**Figure 3. Faculty position by gender identity, 2019.**

**MSS chairs.** Of all MSS department chairs in the fall of 2019, 25% ( $n = 121$ ) were women, and 75% ( $n = 362$ ) were men. Bachelor's-level departments had the highest percentage of women department chairs (36%,  $n = 73$ ), followed by Doctoral Math Private Small programs (25%,  $n = 3$ ). There were no women chairs of Doctoral Math Private Large departments in the fall of 2019 (Table DC.1, p. 27).

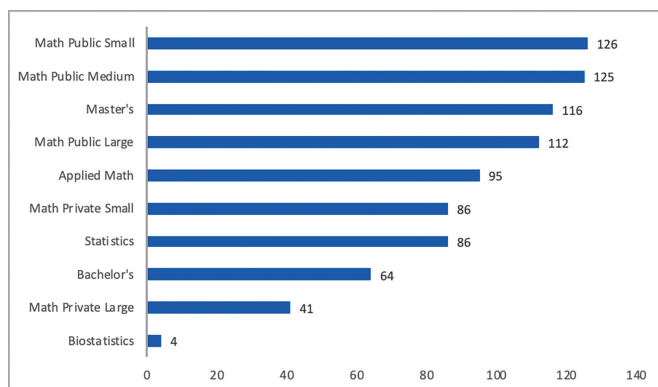
## Undergraduate Course Enrollments and Degrees Awarded

In the fall of 2019, the total undergraduate course enrollment in MSS departments was 2,227,484 ( $SE = 91,170$ ), reflecting a decrease of 13% from the previous year. Table 2 illustrates that the decline was primarily among Bachelor's departments, in which undergraduate course enrollments reduced by 38% from 869,000<sup>4</sup> to 539,060 from 2018 to 2019.

**Table 2. Undergraduate Course Enrollment by Department Grouping**

Department Grouping	Undergraduate Course Enrollments (Thousands) in 2018	Undergraduate Course Enrollments (Thousands) in 2019
Doctoral Math	1,042	1,052
Statistics & Biostatistics	136	136
Master's	511	501
Bachelor's	869	539
<b>TOTAL UNDERGRADUATE COURSE ENROLLMENT</b>	<b>2,558</b>	<b>2,228</b>

The highest ratios of undergraduate enrollment per full-time faculty member were in Public Large (112:1), Medium (125:1), and Small (126:1) Math departments and Master's (116:1) departments (Figure 4). The lowest enrollment to faculty ratio was in Biostatistics (4:1) departments, followed by Private Large Math (41:1) departments.



**Figure 4.** Undergraduate enrollment per full-time faculty member.

<sup>4</sup>Estimates in the 2018 report were rounded to the nearest thousand.

A total of 34,798 ( $SE = 1,493$ ) MSS undergraduate degrees were conferred in 2019, down 4% from the previous academic year (Table 3). Between 2018 and 2019, the number of MSS undergraduate degrees conferred at bachelor's-level institutions declined 11% from 14,345 to 12,732. In 2019, 41% ( $n = 14,417$ ) of undergraduate degrees were granted by Doctoral Math departments and 37% ( $n = 12,732$ ) by Bachelor's departments.

**Table 3. Undergraduate Degrees by Department Grouping and Major**

Department Grouping and Major	Undergraduate Degrees Conferred in 2018	Undergraduate Degrees Conferred in 2019
<b>Doctoral Math</b>	<b>15,084</b>	<b>14,417</b>
Mathematics	12,988	12,274
Mathematics Education	382	416
Statistics	363	372
Computer Science	597	447
Other	754	908
<b>Statistics &amp; Biostatistics</b>	<b>2,300</b>	<b>2,503</b>
Mathematics	135	195
Mathematics Education	0	0
Statistics	1,975	2,088
Computer Science	0	0

Department Grouping and Major	Undergraduate Degrees Conferred in 2018	Undergraduate Degrees Conferred in 2019
Other	190	220
<b>Master's</b>	<b>4,698</b>	<b>5,146</b>
Mathematics	3,675	3,609
Mathematics Education	531	388
Statistics	156	403
Computer Science	184	536
Other	152	210
<b>Bachelor's</b>	<b>14,345</b>	<b>12,732</b>
Mathematics	8,967	7,503
Mathematics Education	1,179	1,234
Statistics	319	230
Computer Science	2,670	2,698
Other	1,210	1,067
<b>TOTAL UNDERGRADUATE DEGREES CONFERRED</b>	<b>36,427</b>	<b>34,798</b>

**Undergraduate degrees awarded by gender identity.** Of undergraduate degrees awarded in 2019, 41% ( $n = 14,883$ ) were earned by women students, and 59% ( $n = 21,544$ ) were earned by men students.<sup>5</sup> The largest proportion of women degree earners was in Biostatistics departments (55%,  $n = 24$ ). See Table UD.3 (p. 40) for a year-over-year comparison of undergraduate degrees awarded by gender. There was little change in the proportions of women

<sup>5</sup>Non-binary/Other gender data are not reported to protect confidentiality.

and men receiving undergraduate degrees by departmental group from 2018 to 2019 (Figure 5).

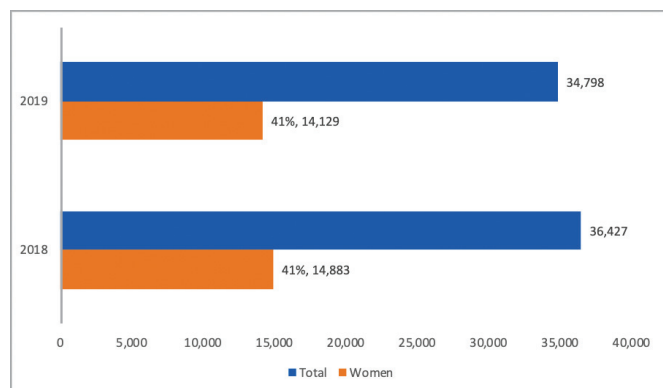


Figure 5. Undergraduate degrees by gender, 2018–2019.

## Graduate Course Enrollment and Master's Degrees Awarded

In the fall of 2019, the total graduate course enrollment in MSS departments was 114,620 (SE = 7,686), reflecting an increase of 4% from the previous year. Table 4 provides a year-over-year overview of graduate student enrollment for graduate degree-granting departments. Almost all graduate course enrollments were in Doctoral Math (47%,  $n = 54$ ) and Statistics & Biostatistics (42%,  $n = 48$ ) departments.

Table 4. Graduate Course Enrollment by Department Grouping

Department Grouping	Graduate Course Enrollment (Thousands) in 2018	Graduate Course Enrollment (Thousands) in 2019
Doctoral Math	51	54
Statistics & Biostatistics	48	48
Master's	12	13
<b>TOTAL GRADUATE COURSE ENROLLMENT</b>	<b>111</b>	<b>115</b>

The highest ratios of graduate enrollment per full-time tenured and tenure-eligible faculty member were in Statistics (30:1) and Biostatistics (27:1) departments (Figure 6). The lowest enrollment to faculty ratio was Private Small Math (4:1) departments, followed by Master's (5:1) departments.

A total of 7,520 (SE = 580) MSS master's degrees were conferred in 2019, up 3% from the previous academic year. See Table 5 for detailed data by major. There were few differences from 2018 to 2019.

**Master's degrees awarded by gender identity.** Of master's degrees awarded in 2019, 42% ( $n = 3,174$ ) were earned by women students, and 58% ( $n = 4,337$ ) were earned by men students.<sup>6</sup> This is comparable to 2018, dur-

<sup>6</sup>Non-binary/Other gender data are not reported to protect confidentiality.

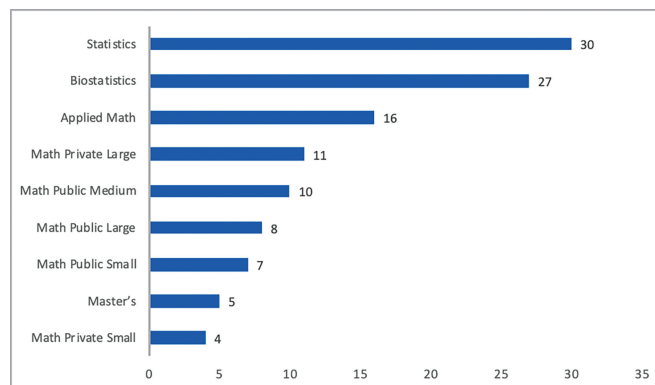


Figure 6. Graduate enrollment per full-time tenured and tenure-eligible faculty member.

Table 5. Master's Degrees by Department Grouping and Major

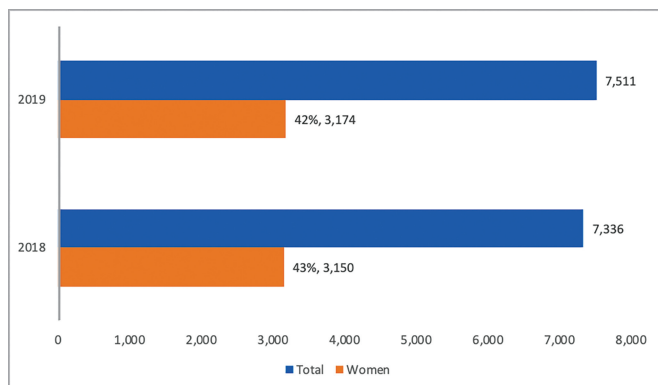
Department Grouping and Major	Master's Degrees Conferred in 2018	Master's Degrees Conferred in 2019
<b>Doctoral Math</b>	<b>3,083</b>	<b>3,198</b>
Mathematics	2,177	2,141
Mathematics Education	122	107
Statistics	477	571
Computer Science	72	36
Other	235	343
<b>Statistics</b>	<b>2,605</b>	<b>2,631</b>
Mathematics	97	92
Mathematics Education	0	0
Statistics	2,255	2,311
Computer Science	0	4
Other	253	224
<b>Department Grouping and Major</b>	<b>Master's Degrees Conferred in 2018</b>	<b>Master's Degrees Conferred in 2019</b>
<b>Master's</b>	<b>1,648</b>	<b>1,691</b>
Mathematics	1,101	1,025
Mathematics Education	253	298
Statistics	146	201
Computer Science	103	88
Other	15	79
<b>TOTAL MASTER'S DEGREES CONFERRED</b>	<b>7,336</b>	<b>7,520</b>

ing which 43% ( $n = 3,150$ ) of master's degrees were earned by women (Figure 7). The largest proportion of women degree earners was in Biostatistics departments (58%,  $n = 262$ ). Table MD.2 (in Appendix) details the gender of MSS master's degree recipients by department group for 2019. There was little change from year to year.

## Methodology

**Response rates.** The questionnaire on which this report was based, "Departmental Profile," was sent to all doctoral, master's, and bachelor's Mathematical and Statistical Sciences departments in the United States.





**Figure 7.** Master's degrees by gender, 2018–2019.

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 <https://www.ams.org/annual-survey/groupings>.

Table 6 provides a snapshot of survey response rates for the fall of 2019 by department grouping. The response rates were calculated by dividing the number of surveys received by the total number of institutions to which surveys were distributed within each department grouping.

**Table 6. Response Rate by Department Grouping**

Department Grouping	Number	Percent
Doctoral Math Public Large	15	58
Doctoral Math Public Medium	28	70
Doctoral Math Public Small	37	51
Doctoral Math Private Large	20	77
Doctoral Math Private Small	12	43
Doctoral Applied Math	16	62
Doctoral Statistics	28	47
Doctoral Biostatistics	18	40
Master's	55	31
Bachelor's	205	20
<b>TOTAL</b>	<b>434</b>	<b>29</b>

**Faculty categories.** Departments were asked to report any faculty member considered 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 the following 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 with 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 individuals hired term-by-term, paid by the course, and/or those in phased retirement.

**Imputation and estimation.** For most of the data collected on the Departmental Profile form, annual changes for any department were small compared to the variation among the departments within a department grouping. Therefore, available survey responses for each department from the previous year were used to replace missing data. After the inclusion of prior responses, the remaining non-responses were imputed via an Expectation-Maximization imputation procedure<sup>7</sup> to derive the estimates reported for the entire grouping. Some values were nulled because of limitations of the imputation model source data. Historical data from before 2019 were obtained from previous reports which may have used different methods for imputing missing data. As a result of these approaches to missing data, estimates provided in this report may differ from those obtained from other sources, such as NCES.

For some key estimates in the detailed data tables, standard errors were calculated from variability in the data. These can be used to demonstrate how close estimates were to the true value for the population. For example, the number of full-time faculty in the Master's group was estimated at 4,331 with a standard error of 178. This means

<sup>7</sup>P. D. Allison, *Missing Data*, SAGE Publications, Thousand Oaks, CA, 2001.

the actual number of full-time faculty in the Master's group is most likely between 4,331 plus or minus two standard errors, or between 3,975 and 4,687.

Estimates were also given for totals and subtotals, 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 was 22,653, with a standard error of 713. Note that a reported total or subtotal may differ slightly from the sum of the individual entries or from the same total in a different data table. All individual table entries were rounded imputed estimates of the individual parameters, which may lead to differences when summed as a result of this rounding (as the sum of rounded numbers is not always the same as the rounded sum). The same may apply to standard errors calculated from different combinations of imputed value.

## Appendix: Tables

Table DF.1: Doctoral Full-Time Faculty 2019

	GROUP															
	All Doctoral Math Combined			Master's			Bachelor's			Statistics & Biostatistics			Totals			
	Men	Women	Other	Men	Women	Other	Men	Women	Other	Men	Women	Other	ALL	Men	Women	Other
With a Doctorate	7030	1957	1	2264	1006	4	4668	2318	5	1660	837	3	<b>18166</b>	13044	5105	17
Tenured	4239	793	0	1521	617	4	3145	1382	0	900	299	0	<b>12900</b>	9805	3091	4
Full Professors	3218	445	0	959	309	0	2005	766	0	639	187	0	<b>8528</b>	6821	1707	0
Other	1021	348	0	562	308	4	1140	616	0	261	112	0	<b>4372</b>	2984	1384	4
Tenure - eligible (without tenure)	804	284	0	423	209	0	784	546	2	317	160	0	<b>2810</b>	1737	1066	7
Non-tenure track	1987	880	1	320	180	0	739	390	3	443	378	3	<b>2456</b>	1502	948	6
Postdoctoral appointments	1031	300	0	33	17	0	58	39	0	144	62	1	<b>354</b>	235	118	1
Renewable appointments	768	506	0	210	144	0	514	273	3	275	299	2	<b>1720</b>	999	716	5
Fixed - term appointments	162	65	1	67	17	0	138	66	0	16	10	0	<b>314</b>	221	93	0
Other appointments	26	9	0	10	2	0	29	12	0	8	7	0	<b>68</b>	47	21	0

Table F.1: Total Faculty 2019

	Math Public Large	Math Public Medium	Math Public Small	Math Private Large	Math Private Small	Applied Math	All Doctoral Math	Master's	Bachelor's	All Math	Statistics	Biostatistics	Statistics & Biostatistics Combined	Total All Groups
<b>Total full -time faculty</b>	<b>2245</b>	<b>2276</b>	<b>2614</b>	<b>1206</b>	<b>815</b>	<b>700</b>	<b>9856</b>	<b>4331</b>	<b>8466</b>	<b>22653</b>	<b>1530</b>	<b>1120</b>	<b>2650</b>	<b>25303</b>
Standard error	131	136	128	116	66	70	<b>388</b>	178	247	<b>713</b>	98	80	<b>127</b>	<b>728</b>
Tenured	1216	1073	1392	579	446	343	<b>5049</b>	2190	4716	<b>11955</b>	778	425	<b>1203</b>	<b>13158</b>
Full Professors	961	757	911	514	297	230	<b>3670</b>	1273	2847	<b>7790</b>	519	310	<b>829</b>	<b>8619</b>
Other	255	316	481	65	149	113	<b>1379</b>	917	1869	<b>4165</b>	259	115	<b>374</b>	<b>4539</b>
Tenure -eligible (without tenure)	204	288	339	87	104	68	<b>1090</b>	642	1397	<b>3129</b>	259	219	<b>478</b>	<b>3607</b>
Non -tenure track	825	915	883	540	265	289	<b>3717</b>	1499	2353	<b>7569</b>	493	476	<b>969</b>	<b>8538</b>
Postdoctoral appointments	374	276	100	398	82	102	<b>1332</b>	49	96	<b>1477</b>	120	86	<b>206</b>	<b>1683</b>
Renewable appointments	390	533	630	119	159	173	<b>2004</b>	1154	1807	<b>4965</b>	330	371	<b>701</b>	<b>5666</b>
Fixed -term appointments	54	87	135	21	23	8	<b>328</b>	228	362	<b>918</b>	35	3	<b>38</b>	<b>956</b>
Other appointments	7	19	18	2	1	6	<b>53</b>	68	88	<b>209</b>	8	16	<b>24</b>	<b>233</b>
<b>Doctoral full -time faculty</b>	<b>2115</b>	<b>2044</b>	<b>2206</b>	<b>1205</b>	<b>775</b>	<b>644</b>	<b>8989</b>	<b>3273</b>	<b>6990</b>	<b>19252</b>	<b>1436</b>	<b>1066</b>	<b>2502</b>	<b>21754</b>
Standard error	117	120	105	116	62	66	<b>362</b>	132	202	<b>642</b>	100	74	<b>124</b>	<b>659</b>
Tenured	1210	1072	1383	579	446	343	<b>5033</b>	2142	4527	<b>11702</b>	777	423	<b>1200</b>	<b>12902</b>
Full Professors	961	756	905	514	297	230	<b>3663</b>	1268	2771	<b>7702</b>	519	308	<b>827</b>	<b>8529</b>
Other	249	316	478	65	149	113	<b>1370</b>	874	1756	<b>4000</b>	258	115	<b>373</b>	<b>4373</b>
Tenure -eligible (without tenure)	200	288	339	87	104	68	<b>1086</b>	632	1332	<b>3050</b>	259	218	<b>477</b>	<b>3527</b>
Non -tenure track	705	684	484	539	225	233	<b>2870</b>	499	1131	<b>4500</b>	400	425	<b>825</b>	<b>5325</b>
Postdoctoral appointments	374	276	100	398	82	102	<b>1332</b>	49	96	<b>1477</b>	120	86	<b>206</b>	<b>1683</b>
Renewable appointments	283	335	301	118	120	119	<b>1276</b>	354	790	<b>2420</b>	248	329	<b>577</b>	<b>2997</b>
Fixed -term appointments	42	59	77	21	22	7	<b>228</b>	84	204	<b>516</b>	24	3	<b>27</b>	<b>543</b>



Other appointments	6	14	6	2	1	5	<b>34</b>	12	41	<b>87</b>	8	7	<b>15</b>	<b>102</b>
<b>Nondoctoral full -time faculty</b>	<b>130</b>	<b>231</b>	<b>409</b>	<b>1</b>	<b>41</b>	<b>56</b>	<b>868</b>	<b>1063</b>	<b>1476</b>	<b>3407</b>	<b>95</b>	<b>58</b>	<b>153</b>	<b>3560</b>
Standard error	34	37	47	1	11	17	<b>78</b>	85	85	<b>156</b>	13	13	<b>19</b>	<b>157</b>
Tenured	6	1	9	0	0	0	<b>16</b>	51	179	<b>246</b>	1	3	<b>4</b>	<b>250</b>
Full Professors	0	1	6	0	0	0	<b>7</b>	6	76	<b>89</b>	0	3	<b>3</b>	<b>92</b>
Other	6	0	3	0	0	0	<b>9</b>	45	103	<b>157</b>	1	0	<b>1</b>	<b>158</b>
Tenure -eligible (without tenure)	4	0	0	0	0	0	<b>4</b>	10	65	<b>79</b>	0	1	<b>1</b>	<b>80</b>
Non -tenure track	120	230	400	1	41	56	<b>848</b>	1002	1232	<b>3082</b>	94	54	<b>148</b>	<b>3230</b>
Renewable appointments	107	198	330	1	40	54	<b>730</b>	801	1018	<b>2549</b>	83	43	<b>126</b>	<b>2675</b>
Fixed -term appointments	12	27	58	0	1	1	<b>99</b>	144	165	<b>408</b>	11	1	<b>12</b>	<b>420</b>
Other appointments	1	5	12	0	0	1	<b>19</b>	57	49	<b>125</b>	0	10	<b>10</b>	<b>135</b>
<b>Total part -time faculty</b>	<b>177</b>	<b>346</b>	<b>547</b>	<b>53</b>	<b>135</b>	<b>139</b>	<b>1397</b>	<b>2192</b>	<b>4337</b>	<b>7926</b>	<b>151</b>	<b>154</b>	<b>305</b>	<b>8231</b>
Standard error	66	49	62	17	23	39	<b>116</b>	170	190	<b>297</b>	23	49	<b>54</b>	<b>303</b>
Doctoral	72	138	178	50	87	58	<b>583</b>	349	1118	<b>2050</b>	118	117	<b>235</b>	<b>2285</b>
Faculty with benefits received	43	63	52	14	34	19	<b>225</b>	110	268	<b>603</b>	47	12	<b>59</b>	<b>662</b>
Other part -time faculty	24	66	113	35	47	38	<b>323</b>	193	807	<b>1323</b>	59	99	<b>158</b>	<b>1481</b>
Phased retirements	5	9	13	1	6	1	<b>35</b>	46	43	<b>124</b>	12	6	<b>18</b>	<b>142</b>
Nondoctoral	105	208	369	3	48	81	<b>814</b>	1843	3219	<b>5876</b>	33	37	<b>70</b>	<b>5946</b>
Faculty with benefits received	67	126	104	1	5	23	<b>326</b>	573	548	<b>1447</b>	18	8	<b>26</b>	<b>1473</b>
Other part -time faculty	38	82	265	2	43	58	<b>488</b>	1270	2631	<b>4389</b>	15	29	<b>44</b>	<b>4433</b>
Phased retirements	0	0	0	0	0	0	<b>0</b>	0	40	<b>40</b>	0	0	<b>0</b>	<b>40</b>

Table F.2: Summary of Full -Time and Part -Time Faculty, Fall 2019

	GROUP											
	All Doctoral Math Combined			Master's & Bachelor's			Statistics & Biostatistics			Total		
	Men	Women	Other	Men	Women	Other	Men	Women	Other	Men	Women	Other
Full time faculty	8266	2991	3	11751	7519	61	1914	1042	6	21931	11552	70
<i>Percentage</i>	<i>73</i>	<i>27</i>	<i>0</i>	<i>61</i>	<i>39</i>	<i>0</i>	<i>65</i>	<i>35</i>	<i>0</i>	<i>65</i>	<i>34</i>	<i>0</i>
Doctoral full -time faculty	7030	1959	1	6930	3323	9	1661	837	4	15621	6119	14
<i>Percentage</i>	<i>78</i>	<i>22</i>	<i>0</i>	<i>68</i>	<i>32</i>	<i>0</i>	<i>66</i>	<i>33</i>	<i>0</i>	<i>72</i>	<i>28</i>	<i>0</i>
Tenured	4239	794	0	4665	1999	4	901	300	0	9805	3093	4
<i>Percentage</i>	<i>84</i>	<i>16</i>	<i>0</i>	<i>70</i>	<i>30</i>	<i>0</i>	<i>75</i>	<i>25</i>	<i>0</i>	<i>76</i>	<i>24</i>	<i>0</i>
Tenure - eligible (without tenure)	804	284	0	1207	755	2	317	160	0	2328	1199	2
<i>Percentage</i>	<i>74</i>	<i>26</i>	<i>0</i>	<i>61</i>	<i>38</i>	<i>0</i>	<i>66</i>	<i>34</i>	<i>0</i>	<i>66</i>	<i>34</i>	<i>0</i>
Non-tenure track	1987	881	1	1058	569	3	443	377	4	3488	1827	8
<i>Percentage</i>	<i>69</i>	<i>31</i>	<i>0</i>	<i>65</i>	<i>35</i>	<i>0</i>	<i>54</i>	<i>46</i>	<i>0</i>	<i>66</i>	<i>34</i>	<i>0</i>
Nondoctoral full -time faculty	379	489	1	1138	1395	7	63	90	1	1580	1974	9
<i>Percentage</i>	<i>44</i>	<i>56</i>	<i>0</i>	<i>45</i>	<i>55</i>	<i>0</i>	<i>41</i>	<i>58</i>	<i>1</i>	<i>44</i>	<i>55</i>	<i>0</i>
Tenured	10	6	0	130	97	3	3	1	0	143	104	3
<i>Percentage</i>	<i>63</i>	<i>38</i>	<i>0</i>	<i>57</i>	<i>42</i>	<i>1</i>	<i>75</i>	<i>25</i>	<i>0</i>	<i>57</i>	<i>42</i>	<i>1</i>
Tenure - eligible (without tenure)	2	2	0	52	24	0	0	1	0	54	27	0
<i>Percentage</i>	<i>50</i>	<i>50</i>	<i>0</i>	<i>68</i>	<i>32</i>	<i>0</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>67</i>	<i>33</i>	<i>0</i>

Non-tenure track	367	481	1	956	1274	4	60	88	1	1383	1843	6
<i>Percentage</i>	<i>43</i>	<i>57</i>	<i>0</i>	<i>43</i>	<i>57</i>	<i>0</i>	<i>40</i>	<i>59</i>	<i>1</i>	<i>43</i>	<i>57</i>	<i>0</i>
<b>Part -time</b>	<b>857</b>	<b>543</b>	<b>1</b>	<b>3683</b>	<b>2801</b>	<b>45</b>	<b>190</b>	<b>115</b>	<b>1</b>	<b>4730</b>	<b>3459</b>	<b>47</b>
<i>Percentage</i>	<i>61</i>	<i>39</i>	<i>0</i>	<i>56</i>	<i>43</i>	<i>1</i>	<i>62</i>	<i>38</i>	<i>0</i>	<i>57</i>	<i>42</i>	<i>1</i>
Doctoral	419	167	0	938	527	2	158	76	0	1515	770	2
<i>Percentage</i>	<i>72</i>	<i>28</i>	<i>0</i>	<i>64</i>	<i>36</i>	<i>0</i>	<i>68</i>	<i>32</i>	<i>0</i>	<i>66</i>	<i>34</i>	<i>0</i>
Nondoctoral	438	376	1	2745	2274	43	32	39	1	3215	2689	45
<i>Percentage</i>	<i>54</i>	<i>46</i>	<i>0</i>	<i>54</i>	<i>45</i>	<i>1</i>	<i>44</i>	<i>54</i>	<i>1</i>	<i>54</i>	<i>45</i>	<i>1</i>

**Table F.3: Part -Time Faculty, Fall 2019**

	GROUP											
	All Doctoral Math Combined			Master's & Bachelor's			Statistics & Biostatistics			Total		
	Men	Women	Other	Men	Women	Other	Men	Women	Other	Men	Women	Other
Doctoral	419	167	0	938	527	2	158	76	0	1515	770	2
Nondoctoral	438	376	1	2745	2274	43	32	39	1	3215	2689	45
Total	857	543	1	3683	2801	45	190	115	1	4730	3459	47

Table F.4: Full -Time Faculty Teaching Courses Outside the Mathematical Sciences, Fall 2019

	Math Public Large	Math Public Medium	Math Public Small	Math Private Large	Math Private Small	Applied Math	All Doctoral Math	Master's	Bachelor's	All Math	Statistics	Bio- statistics	Statistics & Biostatistics	Total All Groups
<b>Teaching Outside the Math. Sci.</b>	<b>28</b>	<b>20</b>	<b>62</b>	<b>19</b>	<b>24</b>	<b>33</b>	<b>186</b>	<b>241</b>	<b>1797</b>	<b>2224</b>	<b>141</b>	<b>185</b>	<b>326</b>	<b>2550</b>
Standard Error	9	6	22	6	10	19	33	31	69	83	50	35	61	104
<i>Percentage of full-time faculty</i>	1	1	2	2	3	5	2	6	21	10	9	17	12	10
<b>Teaching Computer Science only</b>	<b>13</b>	<b>3</b>	<b>24</b>	<b>0</b>	<b>10</b>	<b>2</b>	<b>52</b>	<b>95</b>	<b>617</b>	<b>764</b>	<b>7</b>	<b>44</b>	<b>51</b>	<b>815</b>
Standard Error	7	3	13	0	8	1	17	24	36	46	3	21	22	51
<i>Percentage of full-time Outside Math. Sci.</i>	46	15	39	0	42	6	28	39	34	34	5	24	16	32

**Table FF.1: Total Women Faculty, Fall 2019**

	Math Public Large	Math Public Medium	Math Public Small	Math Private Large	Math Private Small	Applied Math	All Doctoral Math	Master's	Bachelo r's	All Math Combin ed	Statistic s	Biostatist ics	Statistic s & Biostatist ics Combine d	Total All Groups Combin ed
<b>Total Women full -time faculty</b>	<b>509</b>	<b>602</b>	<b>792</b>	<b>197</b>	<b>184</b>	<b>162</b>	<b>2446</b>	<b>1575</b>	<b>3119</b>	<b>7140</b>	<b>483</b>	<b>444</b>	<b>927</b>	<b>8067</b>
Standard error	34	46	47	11	17	16	97	63	86	179	29	36	47	187
Tenured	172	158	286	71	65	47	799	637	1459	2895	180	121	301	3196
Full Professors	104	85	147	54	33	25	448	309	799	1556	110	79	189	1745
Other	68	73	139	17	32	22	351	328	660	1339	70	42	112	1451
Tenure -eligible (without tenure)	51	80	84	17	32	22	286	209	546	1041	76	83	159	1200
Non-tenure track	286	364	422	109	87	93	1361	729	1114	3204	227	240	467	3671
Postdoctoral appointments	93	72	21	75	16	23	300	17	39	356	33	29	62	418
Renewable appointments	171	256	341	34	64	66	932	583	900	2415	176	198	374	2789
Fixed -term appointments	20	30	52	0	7	3	112	93	141	346	15	3	18	364
Other appointments	2	6	8	0	0	1	17	36	34	87	3	10	13	100
<b>Doctoral Women full - time faculty</b>	<b>445</b>	<b>470</b>	<b>551</b>	<b>197</b>	<b>159</b>	<b>135</b>	<b>1957</b>	<b>1006</b>	<b>2318</b>	<b>5281</b>	<b>428</b>	<b>409</b>	<b>837</b>	<b>6118</b>
Standard error	25	31	36	11	17	12	73	41	65	130	29	34	46	143
Tenured	171	157	282	71	65	47	793	617	1382	2792	180	120	300	3092

Full Professors	104	84	145	54	33	25	<b>445</b>	309	766	<b>1520</b>	110	78	<b>188</b>	<b>1708</b>
Other	67	73	137	17	32	22	<b>348</b>	308	616	<b>1272</b>	70	42	<b>112</b>	<b>1384</b>
Tenure -eligible (without tenure)	49	80	84	17	32	22	<b>284</b>	209	546	<b>1039</b>	76	83	<b>159</b>	<b>1198</b>
Non-tenure track	225	233	185	109	62	66	<b>880</b>	180	390	<b>1450</b>	172	206	<b>378</b>	<b>1828</b>
Postdoctoral appointments	93	72	21	75	16	23	<b>300</b>	17	39	<b>356</b>	33	29	<b>62</b>	<b>418</b>
Renewable appointments	114	139	140	34	40	40	<b>507</b>	144	273	<b>924</b>	129	170	<b>299</b>	<b>1223</b>
Fixed-term appointments	16	19	22	0	6	2	<b>65</b>	17	66	<b>148</b>	7	3	<b>10</b>	<b>158</b>
Other appointments	2	3	2	0	0	1	<b>8</b>	2	12	<b>22</b>	3	4	<b>7</b>	<b>29</b>
<b>Nondoctoral Women full-time faculty</b>	<b>64</b>	<b>132</b>	<b>241</b>	<b>0</b>	<b>25</b>	<b>27</b>	<b>489</b>	<b>573</b>	<b>820</b>	<b>1882</b>	<b>55</b>	<b>36</b>	<b>91</b>	<b>1973</b>
Standard error	17	21	28	0	6	9	<b>45</b>	43	42	<b>82</b>	9	8	<b>12</b>	<b>83</b>
Tenured	1	1	4	0	0	0	<b>6</b>	20	77	<b>103</b>	0	1	<b>1</b>	<b>104</b>
Full Professors	0	1	2	0	0	0	<b>3</b>	0	33	<b>36</b>	0	1	<b>1</b>	<b>37</b>
Other	1	0	2	0	0	0	<b>3</b>	20	44	<b>67</b>	0	0	<b>0</b>	<b>67</b>
Tenure -eligible (without tenure)	2	0	0	0	0	0	<b>2</b>	4	19	<b>25</b>	0	1	<b>1</b>	<b>26</b>
Non-tenure track	61	131	237	0	25	27	<b>481</b>	549	724	<b>1754</b>	55	34	<b>89</b>	<b>1843</b>
Renewable appointments	57	117	201	0	24	26	<b>425</b>	439	627	<b>1491</b>	47	28	<b>75</b>	<b>1566</b>
Fixed-term appointments	4	11	30	0	1	1	<b>47</b>	76	75	<b>198</b>	8	0	<b>8</b>	<b>206</b>



Other appointments	0	3	6	0	0	0	9	34	22	65	0	6	6	71
<b>Total Women part -time faculty</b>	<b>55</b>	<b>135</b>	<b>246</b>	<b>16</b>	<b>50</b>	<b>40</b>	<b>542</b>	<b>889</b>	<b>1910</b>	<b>3341</b>	<b>48</b>	<b>65</b>	<b>113</b>	<b>3454</b>
Standard error	*	49	62	*	23	39	116	170	190	297	23	49	54	303
Doctoral	19	44	54	15	29	6	167	95	431	693	31	44	75	768
Faculty with benefits received	13	23	17	7	13	2	75	31	110	216	14	8	22	238
Other part-time faculty	5	21	37	8	16	4	91	56	312	459	12	35	47	506
Phased retirements	1	0	0	0	0	0	1	8	9	18	5	1	6	24
Nondoctoral	36	91	192	1	21	34	375	794	1479	2648	17	21	38	2686
Faculty with benefits received	27	56	46	0	2	14	145	253	249	647	9	7	16	663
Other part-time faculty	9	35	146	1	19	20	230	541	1196	1967	8	14	22	1989
Phased retirements	0	0	0	0	0	0	0	0	34	34	0	0	0	34

\* Value nulled owing to limitations of imputation model source data

Table FF.2: Summary of Total Women Faculty, Fall 2019

	Math Public Large	Math Public Medium	Math Public Small	Math Private Large	Math Private Small	Applied Math	All Doctoral Math Combin ed	Master's	Bachelor 's	All Math Combin ed	Statistic s	Biostatistics	Statistic s & Biostatistics Combin ed	Total All Groups Combin ed
<b>Total Women full - time faculty</b>	<b>509</b>	<b>602</b>	<b>792</b>	<b>197</b>	<b>184</b>	<b>162</b>	<b>2446</b>	<b>1575</b>	<b>3119</b>	<b>7140</b>	<b>483</b>	<b>444</b>	<b>927</b>	<b>8067</b>
Standard error	34	46	47	11	17	16	97	63	86	179	29	36	47	187
Tenured	172	158	286	71	65	47	799	637	1459	2895	180	121	301	3196
Tenure -eligible (without tenure)	51	80	84	17	32	22	286	209	546	1041	76	83	159	1200
Non-tenure track	286	364	422	109	87	93	1361	729	1114	3204	227	240	467	3671
Postdoctoral appointments	93	72	21	75	16	23	300	17	39	356	33	29	62	418
<b>Doctoral Women full - time faculty</b>	<b>445</b>	<b>470</b>	<b>551</b>	<b>197</b>	<b>159</b>	<b>135</b>	<b>1957</b>	<b>1006</b>	<b>2318</b>	<b>5281</b>	<b>428</b>	<b>409</b>	<b>837</b>	<b>6118</b>
Standard error	25	31	36	11	17	12	73	41	65	130	29	34	46	143
Tenured	171	157	282	71	65	47	793	617	1382	2792	180	120	300	3092
Tenure -eligible (without tenure)	49	80	84	17	32	22	284	209	546	1039	76	83	159	1198
Non-tenure track	225	233	185	109	62	66	880	180	390	1450	172	206	378	1828
Postdoctoral appointments	93	72	21	75	16	23	300	17	39	356	33	29	62	418
<b>Nondoctoral Women full -time faculty</b>	<b>64</b>	<b>132</b>	<b>241</b>	<b>0</b>	<b>25</b>	<b>27</b>	<b>489</b>	<b>573</b>	<b>820</b>	<b>1882</b>	<b>55</b>	<b>36</b>	<b>91</b>	<b>1973</b>

Standard error	17	21	28	0	6	9	<b>45</b>	43	42	<b>82</b>	9	8	<b>12</b>	<b>83</b>
Tenured	1	1	4	0	0	0	<b>6</b>	20	77	<b>103</b>	0	1	<b>1</b>	<b>104</b>
Tenure -eligible (without tenure)	2	0	0	0	0	0	<b>2</b>	4	19	<b>25</b>	0	1	<b>1</b>	<b>26</b>
Non-tenure track	61	131	237	0	25	27	<b>481</b>	549	724	<b>1754</b>	55	34	<b>89</b>	<b>1843</b>
<b>Total Women part - time faculty</b>	<b>55</b>	<b>135</b>	<b>246</b>	<b>16</b>	<b>50</b>	<b>40</b>	<b>542</b>	<b>889</b>	<b>1910</b>	<b>3341</b>	<b>48</b>	<b>65</b>	<b>113</b>	<b>3454</b>
Standard error	*	49	62	*	23	39	<b>116</b>	170	190	<b>297</b>	23	49	<b>54</b>	<b>303</b>
Doctoral	19	44	54	15	29	6	<b>167</b>	95	431	<b>693</b>	31	44	<b>75</b>	<b>768</b>
Nondoctoral	36	91	192	1	21	34	<b>375</b>	794	1479	<b>2648</b>	17	21	<b>38</b>	<b>2686</b>

\* Value nulled owing to limitations of imputation model source data

**Table FF.3: Full -Time Faculty with Percent Women, Fall 2019**

	Math Public Large	Math Public Medium	Math Public Small	Math Private Large	Math Private Small	Applied Math	All Doctoral Math Combin ed	Master's	Bachelo r's	All Math Combin ed	Statistic s	Biostatistics	Total All Groups Combin ed
Full-time Faculty	2245	2276	2615	1206	815	701	<b>9858</b>	4331	8482	<b>22671</b>	1531	1121	<b>25323</b>
<i>Percentage of total full -time faculty</i>	9	9	10	5	3	3	<b>39</b>	17	33	<b>90</b>	6	4	<b>100</b>
Women full -time faculty	509	602	792	197	184	162	<b>2446</b>	1575	3119	<b>7140</b>	483	444	<b>8067</b>
<i>Percentage of total women full -time faculty</i>	6	7	10	2	2	2	<b>30</b>	20	39	<b>89</b>	6	6	<b>100</b>
<i>As a percentage of women full -time faculty within group faculty</i>	23	26	30	16	23	23	<b>25</b>	36	37	<b>31</b>	32	40	<b>32</b>

**Table FF.4 Mathematics Faculty Counts and Percentages Women, Fall 2006 -2019**

	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
<b>All Doctoral Mathematics</b>														
<b>Doctoral full -time faculty</b>														
Tenured/ tenure -eligible	5668	5709	5666	5834	5742	5775	5812	5829	5801	5786	5986	6037	6051	6120
<i>Percentage Women</i>	12	12	13	13	14	14	14	15	16	16	17	17	17	18
Nontenured	1461	1576	1598	1681	1770	1837	1996	1989	2359	2423	2646	2850	2777	2868
<i>Percentage Women</i>	25	25	25	27	28	27	27	29	29	28	29	28	30	31
Part-time faculty	1128	1143	1165	1154	1118	1099	1174	1334	1380	1380	1354	1398	1377	1395
<i>Percentage Women</i>	40	37	37	39	38	38	36	32	32	32	32	32	32	39
<b>Group Master's</b>														
<b>Doctoral full -time faculty</b>														
Tenured/ tenure -eligible	3400	3325	3403	3208	3124	3143	3154	3192	2984	2928	2828	2828	2696	2773
<i>Percentage Women</i>	25	25	26	27	27	28	28	29	28	28	28	29	29	30
Nontenured	283	232	232	220	236	245	275	331	470	419	439	504	418	499
<i>Percentage Women</i>	28	38	32	31	38	39	38	41	34	33	33	34	38	36
Part-time faculty	1493	1868	1824	1802	1781	1762	2084	2128	2197	1902	1918	2061	2182	2175
<i>Percentage Women</i>	41	39	42	44	43	42	44	43	43	43	43	43	43	41
<b>Group Bachelor's</b>														
<b>Doctoral full -time faculty</b>														
Tenured/ tenure -eligible	6623	6427	6733	6914	6783	6594	6605	6533	6321	6165	6246	6227	6380	5859
<i>Percentage Women</i>	27	27	25	29	29	29	29	30	32	31	31	31	32	33
Nontenured	545	363	532	636	521	672	685	438	997	1037	1134	1216	1452	1132
<i>Percentage Women</i>	25	33	26	28	23	34	33	26	33	34	33	35	35	35
Part-time faculty	3922	4053	3703	3614	3167	3087	3649	4334	4437	4402	4345	4789	4789	4326
<i>Percentage Women</i>	40	43	46	43	47	43	41	42	46	43	44	44	44	44

**Table FF.5 Faculty by Department Grouping and Position**

Department Grouping	Women Faculty		Men Faculty	
	Number	Percent	Number	Percent
<b>Doctoral Math Public Large</b>	<b>570</b>	<b>23</b>	<b>1,886</b>	<b>77</b>
Tenured/Tenure - Eligible	223	16	1,197	84
Non- Tenure - Eligible	193	43	258	57
Other Full - time ( <i>Post-doc, Visiting</i> )	99 ( <i>93, 6</i> )	24 ( <i>25, 18</i> )	309 ( <i>281, 28</i> )	76 ( <i>75, 82</i> )
Part- time	55	31	122	69
<b>Doctoral Math Public Medium</b>	<b>748</b>	<b>28</b>	<b>1,908</b>	<b>72</b>
Tenured/Tenure - Eligible	238	17	1,123	83
Non- Tenure - Eligible	292	46	345	54
Other Full - time ( <i>Post-doc, Visiting</i> )	83 ( <i>72, 12</i> )	27 ( <i>26, 34</i> )	227 ( <i>204, 23</i> )	73 ( <i>74, 66</i> )
Part- time	135	39	213	61
<b>Doctoral Math Public Small</b>	<b>1,055</b>	<b>33</b>	<b>2,156</b>	<b>67</b>
Tenured/Tenure - Eligible	370	21	1,361	79
Non- Tenure - Eligible	401	51	382	49
Other Full - time ( <i>Post-doc, Visiting</i> )	39 ( <i>21, 17</i> )	26 ( <i>21, 33</i> )	113 ( <i>78, 34</i> )	74 ( <i>79, 67</i> )
Part- time	245	45	300	55
<b>Doctoral Math Private Large</b>	<b>215</b>	<b>17</b>	<b>1,069</b>	<b>83</b>
Tenured/Tenure - Eligible	88	13	578	87
Non- Tenure - Eligible	34	24	108	76
Other Full - time ( <i>Post-doc, Visiting</i> )	77 ( <i>75, 1</i> )	18 ( <i>19, 4</i> )	345 ( <i>322, 23</i> )	82 ( <i>81, 96</i> )
Part- time	16	30	38	70
<b>Doctoral Math Private Small</b>	<b>239</b>	<b>25</b>	<b>732</b>	<b>75</b>
Tenured/Tenure - Eligible	98	18	452	82
Non- Tenure - Eligible	71	39	112	61
Other Full - time ( <i>Post-doc, Visiting</i> )	19 ( <i>16, 3</i> )	19 ( <i>20, 16</i> )	82 ( <i>66, 16</i> )	81 ( <i>80, 84</i> )
Part- time	51	37	86	63
<b>Doctoral Applied Math</b>	<b>204</b>	<b>24</b>	<b>639</b>	<b>76</b>
Tenured/Tenure - Eligible	68	17	343	83

Department Grouping	Women Faculty		Men Faculty	
	Number	Percent	Number	Percent
Non - Tenure - Eligible	71	38	116	62
Other Full - time ( <i>Post-doc, Visiting</i> )	24 (23, 1)	23 (23, 33)	82 (79, 2)	77 (77, 67)
Part - time	41	29	98	71
<b>Doctoral Statistics</b>	<b>536</b>	<b>32</b>	<b>1,165</b>	<b>68</b>
Tenured/Tenure - Eligible	256	25	781	75
Non - Tenure - Eligible	193	52	178	48
Other Full - time ( <i>Post-doc, Visiting</i> )	38 (33, 5)	27 (27, 22)	105 (88, 18)	73 (73, 78)
Part - time	49	33	101	67
<b>Doctoral Biostatistics</b>	<b>517</b>	<b>40</b>	<b>770</b>	<b>60</b>
Tenured/Tenure - Eligible	206	32	440	68
Non - Tenure - Eligible	210	54	182	46
Other Full - time ( <i>Post-doc, Visiting</i> )	36 (29, 7)	38 (34, 64)	60 (56, 4)	63 (66, 36)
Part - time	65	42	88	58
<b>Master's</b>	<b>2,468</b>	<b>38</b>	<b>4,058</b>	<b>62</b>
Tenured/Tenure - Eligible	850	30	1,977	70
Non - Tenure - Eligible	711	49	737	51
Other Full - time ( <i>Post-doc, Visiting</i> )	17 (17, 0)	28 (34, 0)	44 (33, 12)	72 (66, 100)
Part - time	890	41	1,300	59
<b>Bachelor's</b>	<b>5,052</b>	<b>40</b>	<b>7,717</b>	<b>60</b>
Tenured/Tenure - Eligible	2,024	33	4,077	67
Non - Tenure - Eligible	1,076	48	1,187	52
Other Full - time ( <i>Post-doc, Visiting</i> )	42 (39, 3)	38 (40, 21)	70 (58, 11)	63 (60, 79)
Part - time	1,910	44	2,383	56
<b>TOTAL FACULTY FOR FALL 2019</b>	<b>11,604</b>	<b>34</b>	<b>22,100</b>	<b>66</b>
Total Tenured/Tenure - Eligible	4,421	26	12,329	74
Total Non - Tenure - Eligible	3,252	47	3,605	53
Total Other Full - time ( <i>Post-doc, Visiting</i> )	474 (418, 55)	25 (25, 24)	1,437 (1,265, 171)	75 (75, 76)
Total Part - time	3,457	42	4,729	58



**Table DC.1: Department Chairs by Gender 2019**

Department grouping	Women Chairs		Men Chairs	
	Number	Percent	Number	Percent
Doctoral Math Public Large	3	20	12	80
Doctoral Math Public Medium	4	15	23	85
Doctoral Math Public Small	5	14	32	86
Doctoral Math Private Large	0	0	17	100
Doctoral Math Private Small	3	25	9	75
Doctoral Applied Math	2	12	15	88
Doctoral Statistics	10	17	48	83
Doctoral Biostatistics	9	21	34	79
Master's	12	21	44	79
Bachelor's	73	36	128	64
<b>TOTAL</b>	<b>121</b>	<b>25</b>	<b>362</b>	<b>75</b>

Note: Data for this table were not imputed .

**Table GE.1: Graduate Course Enrollment per Full -time Tenured and Tenure -eligible Faculty Member, Fall 2019**

Category	Math Public Large	Math Public Medium	Math Public Small	Math Private Large	Math Private Small	Applied Math	Master's	Bachelor's	Statistics	Biostatistics
Graduate Enrollment	8	10	7	11	4	16	5	0	30	27
Standard error	1	2	0	1	1	3	0	0	3	3

**Table GE.2: Graduate Course Enrollments (Thousands) by Departmental Grouping , 2014 -2019**

Year	Math Public Large	Math Public Medium	Math Public Small	Math Private Large	Math Private Small	Applied Math	Master's	Statistics	Biostatistics	Total
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	114
2017	11	11	13	7	3	7	12	33	19	116
2018	12	11	12	7	3	6	12	30	18	111
2019	12	14	12	7	2	6	13	31	17	114
Standard error	1	2	1	1	0	1	1	4	3	8

**Table GE.3: Graduate Course Enrollment per Full-Time Tenured and Tenure-eligible Faculty Member, Fall 2014 -2019**

Year	Math Public Large	Math Public Medium	Math Public Small	Math Private Large	Math Private Small	Applied Math	Master's	Bachelor's	Statistics	Biostatistics
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	11	5	19	4	-	33	32
2019	8	10	7	11	4	16	5	-	30	27

**Table GS.1: Graduate Students, Fall 2019**

	Math Public Large	Math Public Medium	Math Public Small	Math Private Large	Math Private Small	Applied Math	All Doctoral Math	Master's	All Math	Statistic s	Biostatistics	All Stats	Total All Groups
<b>Total Graduate Students</b>													
Full-time	3505	2833	2798	1929	880	1738	<b>13683</b>	2251	<b>15934</b>	5762	2307	<b>8069</b>	<b>24003</b>
Standard error	242	180	224	280	120	239	<b>707</b>	179	<b>1107</b>	722	256	<b>797</b>	<b>1505</b>
First-year full -time	749	709	745	586	242	632	<b>3663</b>	858	<b>4521</b>	2165	832	<b>2997</b>	<b>7518</b>
Standard error	80	56	81	137	35	116	<b>243</b>	74	<b>338</b>	374	113	<b>399</b>	<b>578</b>
Part-time	119	348	630	194	114	342	<b>1747</b>	1524	<b>3271</b>	836	364	<b>1200</b>	<b>4471</b>
Standard error	49	86	110	93	48	134	<b>225</b>	161	<b>309</b>	179	81	<b>198</b>	<b>377</b>
<b>Women Graduate Studies</b>													
Full-time	919	856	1009	579	271	571	<b>4205</b>	987	<b>5192</b>	2458	1307	<b>3765</b>	<b>8957</b>
First-year full -time	209	254	279	216	83	251	<b>1292</b>	344	<b>1636</b>	988	511	<b>1499</b>	<b>3135</b>
Part-time	46	120	169	22	43	86	<b>486</b>	626	<b>1112</b>	202	147	<b>349</b>	<b>1461</b>
<b>US Citizen &amp; Permanent Residents Graduate Students</b>													
Full-time	1867	1695	1575	664	441	886	<b>7128</b>	1731	<b>8859</b>	1694	1110	<b>2804</b>	<b>11663</b>
Standard error	187	143	136	60	49	101	<b>387</b>	150	<b>602</b>	141	133	<b>194</b>	<b>663</b>
First-year full -time	355	440	447	160	143	294	<b>1839</b>	659	<b>2498</b>	620	394	<b>1014</b>	<b>3512</b>
Part-time	101	262	520	101	96	284	<b>1364</b>	1440	<b>2804</b>	579	312	<b>891</b>	<b>3695</b>
<b>Non-US Citizen Graduate Students</b>													
Full-time	1638	1138	1245	1265	446	852	<b>6584</b>	652	<b>7236</b>	4068	1205	<b>5273</b>	<b>12509</b>

Standard error	185	115	131	250	89	192	<b>474</b>	68	<b>625</b>	672	157	<b>719</b>	<b>1047</b>
First-year full -time	394	269	305	426	104	338	<b>1836</b>	255	<b>2091</b>	1552	442	<b>1994</b>	<b>4085</b>
Part-time	18	86	114	94	19	58	<b>389</b>	120	<b>509</b>	257	55	<b>312</b>	<b>821</b>
Standard error	9	42	25	54	14	32	<b>81</b>	20	<b>87</b>	85	17	<b>87</b>	<b>126</b>

**Table GS.2: Full -Time Graduate Students in All Doctoral Mathematical Departments Combined by Gender and Citizenship, Fall 2010 -2019**

Year	Total full - time graduate students	Women	% Women	% US Citizen & Permanent Residents	% Underrepresented minorities	Total full -time first -year graduate students	Women (first -year)	% Women (first -year)	% US Citizen & Permanent Residents (first -year)	% Underrepresente d minorities (first -year)
2010	<b>13048</b>	3839	29	57	11	<b>3313</b>	1019	31	51	9
2011	<b>12514</b>	3773	30	56	8	<b>3288</b>	1077	33	50	9
2012	<b>12684</b>	3771	30	54	8	<b>3394</b>	1036	31	54	7
2013	<b>12961</b>	3969	31	53	9	<b>3623</b>	1205	33	53	10
2014	<b>13023</b>	3925	30	55	11	<b>3551</b>	1193	34	55	13
2015	<b>13431</b>	4039	30	53	15	<b>3646</b>	1188	33	53	14
2016	<b>13702</b>	4146	30	52	13	<b>3704</b>	1200	32	52	12
2017	<b>13896</b>	4233	30	52	13	<b>3701</b>	1279	35	52	14
2018	<b>14179</b>	4201	30	51	14	<b>3698</b>	1237	33	51	14
2019	<b>13683</b>	4205	31	52	7*	<b>3664</b>	1292	35	50	7

\* Does not include underrepresented minorities who are not US citizens

**Table GS.3: Citizenship of Graduate Students by Department Grouping , Fall 2019**

	Math Public Large	Math Public Medium	Math Public Small	Math Private Large	Math Private Small	Applied Math	All Doctoral Math	Master's	All Math	Statistics	Biostatist ics	All Stats	Total All Groups
<b>Total Full -time Graduate Students</b>	3505	2833	2820	1929	887	1738	<b>13712</b>	2383	<b>16095</b>	5762	2315	<b>8077</b>	<b>24172</b>
Standard error	242	180	224	280	120	239	<b>707</b>	179	<b>1107</b>	722	256	<b>797</b>	<b>1505</b>
US Citizen & Permanent Residents	1867	1695	1575	664	441	886	<b>7128</b>	1731	<b>8859</b>	1694	1110	<b>2804</b>	<b>11663</b>
Non-US Citizen	1638	1138	1245	1265	446	852	<b>6584</b>	652	<b>7236</b>	4068	1205	<b>5273</b>	<b>12509</b>
<b>Total First -year Graduate Students</b>	749	709	752	586	247	632	<b>3675</b>	914	<b>4589</b>	2172	836	<b>3008</b>	<b>7597</b>
Standard error	80	56	81	137	35	116	<b>243</b>	74	<b>338</b>	374	113	<b>399</b>	<b>578</b>
US Citizen & Permanent Residents	355	440	447	160	143	294	<b>1839</b>	659	<b>2498</b>	620	394	<b>1014</b>	<b>3512</b>
Non-US Citizen	394	269	305	426	104	338	<b>1836</b>	255	<b>2091</b>	1552	442	<b>1994</b>	<b>4085</b>
<b>Total Part -time Graduate Students</b>	119	348	634	195	115	342	<b>1753</b>	1560	<b>3313</b>	836	367	<b>1203</b>	<b>4516</b>
Standard Error	49	86	110	93	48	134	<b>225</b>	161	<b>309</b>	179	81	<b>198</b>	<b>377</b>
US Citizen & Permanent Residents	101	262	520	101	96	284	<b>1364</b>	1440	<b>2804</b>	579	312	<b>891</b>	<b>3695</b>
Non-US Citizen	18	86	114	94	19	58	<b>389</b>	120	<b>509</b>	257	55	<b>312</b>	<b>821</b>



**Table MD.1: Master's Degrees Awarded, 2018-2019\* by Type of Degree -Granting Department Grouping**

	Math Public Large	Math Public Medium	Math Public Small	Math Private Large	Math Private Small	Applied Math	Master's	All Math	Statistics	Biostatistics	Statistics & Biostatistics	Total All Groups
<b>Total Master's Degrees</b>												
<b>Degrees Awarded</b>	<b>453</b>	<b>605</b>	<b>821</b>	<b>472</b>	<b>201</b>	<b>644</b>	<b>2356</b>	<b>5552</b>	<b>2177</b>	<b>454</b>	<b>2631</b>	<b>8183</b>
Standard Error	86	66	85	152	45	133	84	353	386	53	410	580
Mathematics	390	383	511	378	141	337	1690	3830	30	62	92	3922
Math Education	11	31	49	0	16	0	298	405	0	0	0	405
Statistics only	24	123	160	94	15	155	201	772	2058	253	2311	3083
Computer Science only	4	0	31	0	1	0	88	124	4	0	4	128
Other	24	68	70	0	28	152	79	421	85	139	224	645
<b>Women Master's Degrees</b>												
<b>Degrees Awarded</b>	<b>158</b>	<b>242</b>	<b>304</b>	<b>174</b>	<b>68</b>	<b>223</b>	<b>780</b>	<b>1949</b>	<b>972</b>	<b>262</b>	<b>1234</b>	<b>3183</b>
Mathematics	129	149	179	115	43	113	396	1124	11	35	46	1170
Math Education	7	16	23	0	11	0	199	256	0	0	0	256
Statistics only	11	56	69	59	8	69	100	372	933	139	1072	1444
Computer Science only	0	0	12	0	0	0	46	58	0	0	0	58
Other	11	21	21	0	6	41	39	139	28	88	116	255

\*Degrees awarded between July 1, 2018 and June 30, 2019.

**Table MD. 2 Master's Degrees Awarded by Gender and Department Grouping for 2018 - 2019**

Department Grouping and Gender	Master's Degrees Conferred in 2018		Master's Degrees Conferred in 2019	
	Number	Percentage	Number	Percentage
<b>Doctoral Math Public Large</b>	<b>440</b>	<b>6</b>	<b>453</b>	<b>6</b>
Women	136	31	158	35
Men	304	69	295	65
<b>Doctoral Math Public Medium</b>	<b>578</b>	<b>8</b>	<b>604</b>	<b>8</b>
Women	245	42	242	40
Men	333	58	362	60
<b>Doctoral Math Public Small</b>	<b>819</b>	<b>11</b>	<b>820</b>	<b>11</b>
Women	327	40	302	37
Men	492	60	518	63
<b>Doctoral Math Private Large</b>	<b>463</b>	<b>6</b>	<b>471</b>	<b>6</b>
Women	148	32	175	37
Men	315	68	296	63
<b>Doctoral Math Private Small</b>	<b>207</b>	<b>3</b>	<b>202</b>	<b>3</b>
Women	72	35	68	34
Men	135	65	134	66
<b>Doctoral Applied Math</b>	<b>576</b>	<b>8</b>	<b>642</b>	<b>8</b>
Women	219	38	222	35
Men	357	62	420	65
<b>Doctoral Statistics</b>	<b>2,161</b>	<b>29</b>	<b>2,177</b>	<b>28</b>

Women	994	46	973	45
Men	1167	54	1,204	55
<b>Doctoral Biostatistics</b>	<b>444</b>	<b>6</b>	<b>454</b>	<b>6</b>
Women	262	59	262	58
Men	182	41	192	42
<b>Master's</b>	<b>1,648</b>	<b>22</b>	<b>1,688</b>	<b>22</b>
Women	747	45	772	46
Men	901	55	916	54
<b>TOTAL MASTER'S DEGREES CONFERRED</b>	<b>7,336</b>	<b>100</b>	<b>7,511</b>	<b>100</b>
<b>Total Women Degree -Earners</b>	<b>3,150</b>	<b>43</b>	<b>3,174</b>	<b>42</b>
<b>Total Men Degree -Earners</b>	<b>4,186</b>	<b>57</b>	<b>4,337</b>	<b>58</b>

**Table MD. 3: Master's Degrees Awarded, All Mathematics Combined for 2000-2019\***

<b>Academic Year</b>	<b>Total Master's Degrees Awarded</b>	<b>Women Master's Degrees Awarded</b>	<b>Percentage Women</b>
2009 - 2010	4265	1723	40
2010-2011	4423	1745	39
2011-2012	4370	1728	40
2012-2013	4619	1735	38
2013-2014	4548	1845	41
2014-2015	5087	2009	39
2015-2016	5360	2034	38
2016-2017	4669	1768	38
2017-2018	4731	1894	40
2018-2019	5552	1949	35

\*Degrees awarded between July 1, 2018 and June 30, 2019.

Table NF.1: Nondoctoral Full -Time Faculty, Fall 2019

Full-time Faculty	GROUP												
	All Doctoral Math Combined			Master's & Bachelor's			Statistics & Biostatistics			Total			
	Men	Women	Other	Men	Women	Other	Men	Women	Other	All	Men	Women	Other
Without a Doctorate	379	490	1	1140	1395	6	62	91	0	<b>3564</b>	1581	1976	7
Tenured	10	6	0	131	97	2	2	1	0	<b>249</b>	143	104	2
Full professors	4	3	0	48	33	1	1	1	0	<b>91</b>	53	37	1
Other	6	3	0	83	64	1	1	0	0	<b>158</b>	90	67	1
Tenure -eligible (without tenure)	2	2	0	52	24	0	0	1	0	<b>81</b>	54	27	0
Non-tenure track	367	482	1	957	1274	4	60	89	0	<b>3234</b>	1384	1845	5
Renewable appointments	305	425	0	749	1067	4	51	75	0	<b>2676</b>	1105	1567	4
Fixed-term appointments	53	47	0	159	151	0	5	8	0	<b>423</b>	217	206	0
Other appointments	9	10	1	49	56	0	4	6	0	<b>135</b>	62	72	1

**Table UD.1: Undergraduate Degrees Awarded, 2018-2019\* by Type of Degree - Granting Department Grouping**

	Math Public Large	Math Public Medium	Math Public Small	Math Private Large	Math Private Small	Applied Math	Doctoral Math Combin ed	Master's	Bachelo r's	All Math Combin ed	Statistic s	Biostatistics	Statistic s & Biostatistics Combin ed	Total All Groups Combin ed
<b>Total Undergraduate Degrees</b>														
<b>Degrees Awarded</b>	4375	3250	2749	1603	1190	1247	<b>14414</b>	5146	12732	<b>32292</b>	2458	45	<b>2503</b>	<b>34795</b>
Standard error	698	319	228	221	147	411	<b>1108</b>	364	441	<b>1436</b>	368	24	<b>421</b>	<b>1496</b>
Mathematics	3492	2805	2126	1602	1094	1154	<b>12273</b>	3609	7503	<b>23385</b>	195	0	<b>195</b>	<b>23580</b>
Math Education	81	122	208	1	3	0	<b>415</b>	388	1234	<b>2037</b>	0	0	<b>0</b>	<b>2037</b>
Statistics only	126	81	133	0	18	13	<b>371</b>	403	230	<b>1004</b>	2043	45	<b>2088</b>	<b>3092</b>
Computer Science only	269	0	135	0	37	6	<b>447</b>	536	2698	<b>3681</b>	0	0	<b>0</b>	<b>3681</b>
Other	407	242	147	0	38	74	<b>908</b>	210	1067	<b>2185</b>	220	0	<b>220</b>	<b>2405</b>
<b>Women Undergraduate Degrees</b>														
<b>Degrees Awarded</b>	1613	1236	1138	552	448	435	<b>5422</b>	2315	5419	<b>13156</b>	1037	24	<b>1061</b>	<b>14217</b>
Standard error	272	133	99	100	58	141	<b>424</b>	152	202	<b>559</b>	156	13	<b>117</b>	<b>586</b>
Mathematics	1236	1005	871	550	415	407	<b>4484</b>	1725	3412	<b>9621</b>	89	0	<b>89</b>	<b>9710</b>
Math Education	46	77	134	1	3	0	<b>261</b>	245	813	<b>1319</b>	0	0	<b>0</b>	<b>1319</b>
Statistics only	54	43	63	0	6	8	<b>174</b>	143	119	<b>436</b>	856	24	<b>880</b>	<b>1316</b>
Computer Science only	70	0	21	0	8	1	<b>100</b>	117	612	<b>829</b>	0	0	<b>0</b>	<b>829</b>
Other	207	111	49	1	16	19	<b>403</b>	85	463	<b>951</b>	92	0	<b>92</b>	<b>1043</b>

\*Degrees awarded between July 1, 2018 and June 30, 2019.

**Table UD.2: Undergraduate Degrees Awarded, All Mathematics Combined for 2011-2019\***

<b>Academic Year</b>	<b>Total Undergraduate Degrees Awarded</b>	<b>Women Undergraduate Degrees Awarded</b>	<b>Percentage Women</b>
2010-2011	25621	10293	44
2011-2012	26761	10980	41
2012-2013	28423	11737	41
2013-2014	28277	11706	41
2014-2015	29101	11879	41
2015-2016	32382	12800	40
2016-2017	33862	13052	39
2017-2018	34127	13934	41
2018-2019	34795	14217	41

\*Degrees awarded between July 1, 2018 and June 30, 2019.

**Table UD.3 Undergraduate Degrees Awarded by Gender and Department Grouping**

Department Grouping and Gender	Undergraduate Degrees Conferred in 2018		Undergraduate Degrees Conferred in 2019	
	Number	Percent	Number	Percent
<b>Doctoral Math Public Large</b>	<b>4,975</b>	<b>14</b>	<b>4,371</b>	<b>13</b>
Women	1,796	36	1,611	37
Men	3,179	64	2,760	63
<b>Doctoral Math Public Medium</b>	<b>3,071</b>	<b>8</b>	<b>3,251</b>	<b>9</b>
Women	1,175	38	1,236	38
Men	1,896	62	2,015	62
<b>Doctoral Math Public Small</b>	<b>2,862</b>	<b>8</b>	<b>2,746</b>	<b>8</b>
Women	1,090	38	1,139	41
Men	1,772	62	1,607	59
<b>Doctoral Math Private Large</b>	<b>1,882</b>	<b>5</b>	<b>1,602</b>	<b>5</b>
Women	648	34	551	34
Men	1,234	66	1,051	66
<b>Doctoral Math Private Small</b>	<b>1,268</b>	<b>3</b>	<b>1,190</b>	<b>3</b>
Women	500	39	448	38
Men	768	61	742	62
<b>Doctoral Applied Math</b>	<b>1,026</b>	<b>3</b>	<b>1,248</b>	<b>4</b>
Women	343	33	436	35
Men	683	67	812	65



<b>Doctoral Statistics</b>	<b>2,242</b>	<b>6</b>	<b>2,484</b>	<b>7</b>
Women	917	41	1,033	42
Men	1,325	59	1,451	58
<b>Doctoral Biostatistics</b>	<b>58</b>	<b>0</b>	<b>44</b>	<b>0</b>
Women	32	55	24	55
Men	26	45	20	45
<b>Master's</b>	<b>4,698</b>	<b>13</b>	<b>5,142</b>	<b>15</b>
Women	2,181	46	2,281	44
Men	2,517	54	2,861	56
<b>Bachelor's</b>	<b>14,345</b>	<b>39</b>	<b>12,534</b>	<b>36</b>
Women	6,201	43	5,370	43
Men	8,144	57	7,164	57
<b>TOTAL UNDERGRADUATE DEGREES CONFERRED</b>	<b>36,427</b>	<b>100</b>	<b>34,612</b>	<b>100</b>
<b>Total Women Degree - Earners</b>	<b>14,883</b>	<b>41</b>	<b>14,129</b>	<b>41</b>
<b>Total Men Degree - Earners</b>	<b>21,544</b>	<b>59</b>	<b>20,483</b>	<b>59</b>

**Table UE.1: Undergraduate Enrollment per Full -time Faculty Member**

	Math Public Large	Math Public Medium	Math Public Small	Math Private Large	Math Private Small	Applied Math	Master's	Bachelor's	Statistics	Biostatistics
Undergraduate Course Enrollment	112	125	126	41	86	95	116	64	86	4
Standard error	14	10	11	5	20	25	50	4	10	*

\* Value nulled owing to limitations of imputation model source data

**Table UE.2: Undergraduate Course Enrollment (Thousands) by Department Grouping , 2013 -2019**

Year	Math Public Large	Math Public Medium	Math Public Small	Math Private Large	Math Private Small	Applied Math	Master's	Bachelor's	Statistics	Biostatistics	Total
2013	225	275	305	50	66	40	553	846	94	4	<b>2458</b>
2014	232	274	301	48	67	43	554	854	102	5	<b>2480</b>
2015	242	282	306	49	73	43	538	882	99	4	<b>2518</b>
2016	243	283	320	49	75	44	510	849	109	4	<b>2486</b>
2017	243	287	340	48	67	44	503	875	118	4	<b>2529</b>
2018	248	276	351	50	74	44	511	869	131	5	<b>2558</b>
2019	252	285	328	50	70	67	501	539	131	5	<b>2228</b>
Standard error	24	16	24	5	7	12	26	29	10	2	<b>91</b>

**Table UE.3: Undergraduate Course Enrollment per Full-time Faculty Member, Fall 2013 -2019**

<b>Year</b>	<b>Math Public Large</b>	<b>Math Public Medium</b>	<b>Math Public Small</b>	<b>Math Private Large</b>	<b>Math Private Small</b>	<b>Applied Math</b>	<b>Master's</b>	<b>Bachelor's</b>	<b>Statistics</b>	<b>Biostatistics</b>
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
2019	112	125	126	41	86	95	116	64	68	4