

Fall 2012 Departmental Profile Report

Richard Cleary, James W. Maxwell, and Colleen Rose

This report presents a profile of mathematical sciences departments at four-year colleges and universities in the United States, as of fall 2012. The information presented includes the number of faculty in various categories, undergraduate and graduate course enrollments, number of bachelor's and master's degrees awarded during the preceding year, and the number of graduate students.

Data collected earlier from these departments on recruitment and hiring and faculty salaries were presented in the Report on 2011-2012 Academic Recruitment and Hiring (pages 586-591 of the May 2013 issue of *Notices of the AMS*) and the 2011-2012 Faculty Salaries Report (pages 426-432 of the April 2013 issue of *Notices of the AMS*).

Detailed information, including tables which traditionally appeared in this report, is available on the AMS website at www.ams.org/annual-survey/survey-reports.

Faculty Size*

All groups reported an increase in the number of faculty for fall 2012. The estimated number of full-time faculty in all departments is 24,346 with 22,219 of these in all mathematics departments combined (Math Public, Math Private, Applied Math, Masters & Bachelors), up 1% from 22,039 last year. Full-time faculty among the doctoral mathematics departments combined (Math Public, Math Private & Applied Math) increased slightly to 8,634 from 8,528 last year. In the mathematics departments combined we estimate the number of nondoctoral full-time faculty is 3,692, down 2% from last year's estimate of 3,750. With a standard error of 85 for our 2013 estimate, this difference may be explained by sampling error. The total part-time faculty in all mathematics departments combined is estimated to be 6,907 (with a standard error of 181), up 8% from 6,419 last year.

Figure F.1: All Full-time Faculty by Department Groupings

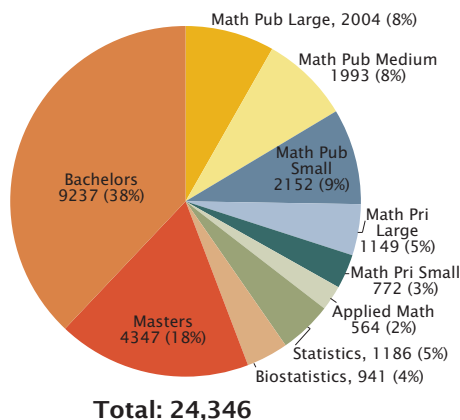


Figure F.2: Full-time Tenured Doctoral Faculty

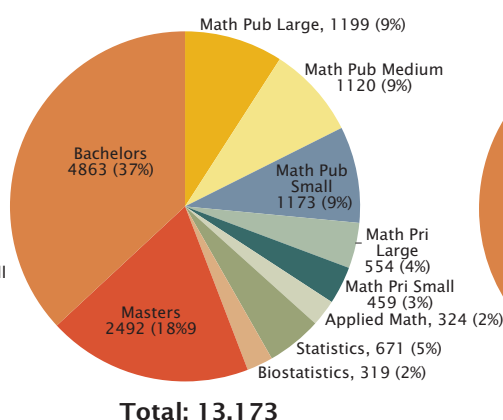
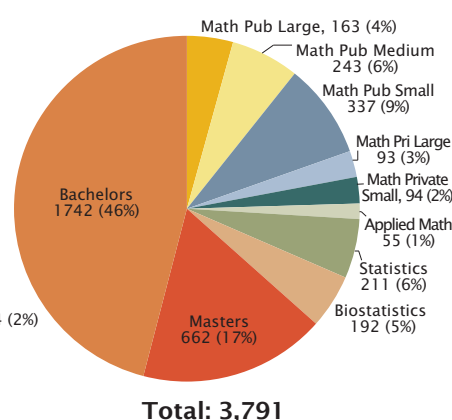


Figure F.3: Full-time Untenured, Tenure-track Doctoral Faculty

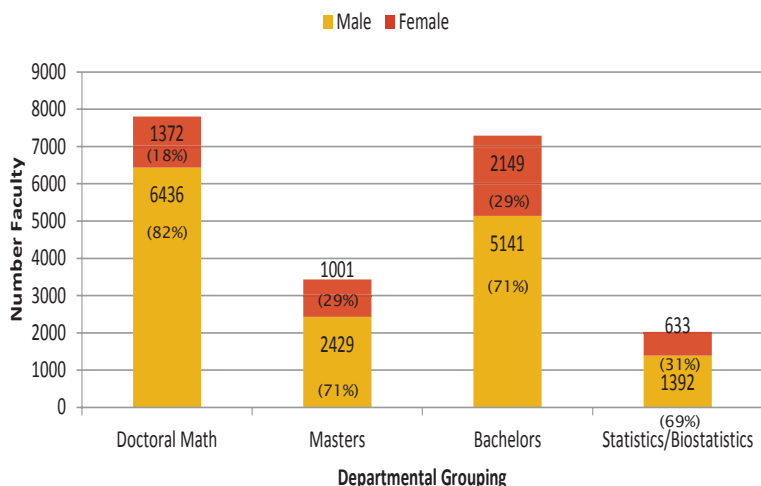


* All 2011 figures referenced on this page were adjusted to reflect the new departmental groupings introduced for 2012 (see page 166). Richard Cleary is a professor in the Division of Mathematics and Sciences at Babson College. James W. Maxwell is AMS associate executive director for special projects. Colleen A. Rose is AMS survey analyst.

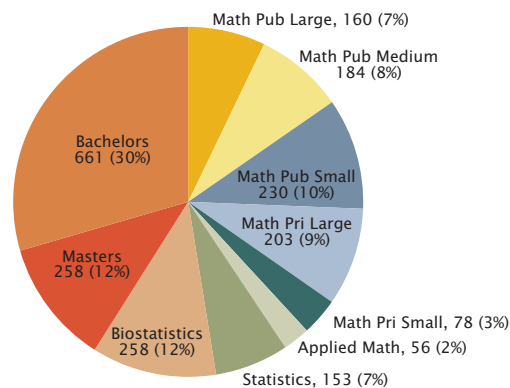
Doctoral Faculty*

The estimated number of full-time doctoral faculty in all mathematics departments combined (Math Public, Math Private, Applied Math, Masters & Bachelors) is 18,527 (with a standard error of 174), up slightly from last year's number of 18,289. For these same groups combined, total doctoral tenured faculty remained essentially unchanged at 12,183 compared to 12,196 for fall 2011. 35% (4,863) of all doctoral tenured faculty are in Bachelors departments.

**Figure D.1: Gender of Full-time Doctoral Faculty
Total: 20,551**



**Figure D.2: Non-tenure-track Doctoral Faculty (excluding Postdocs)
Total: 2,241**



Postdoctoral appointments among the doctoral mathematics departments increased to 1,085 for fall 2012. This is a 6% increase from last year and 14% of the total full-time doctoral faculty in these departments. Females hold 19% of all postdoctoral appointments. Since 2003 total postdoctoral appointments among these departments has increased 35% and females holding postdocs increased 45% to 207 from 143.

Figure D.3: Full-time Postdoctoral Faculty

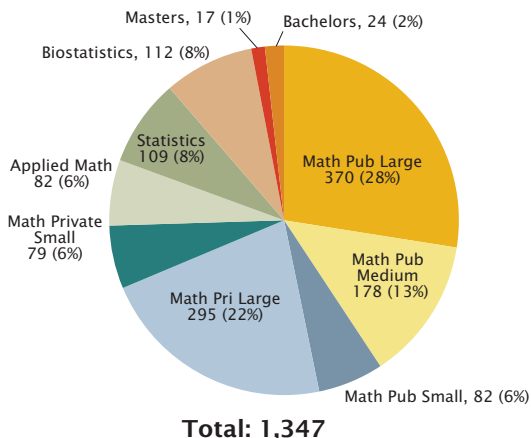
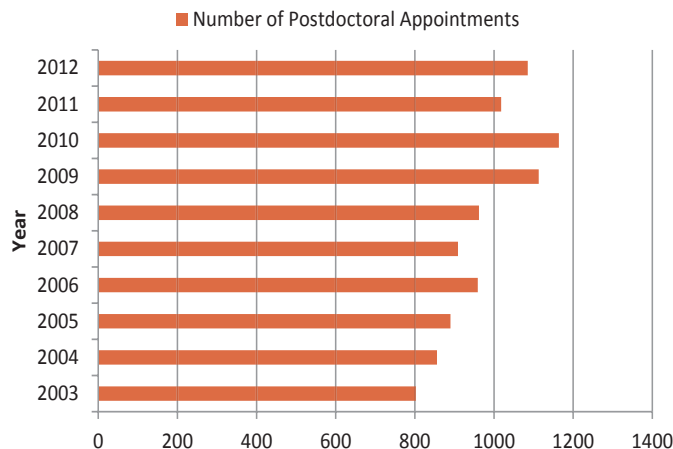


Figure D.4: Postdoctoral Faculty in All Doctoral Mathematics Departments Combined by Year, Fall 2003 to Fall 2012



* All 2011 figures referenced on this page were adjusted to reflect the new departmental groupings introduced for 2012 (see page 166).

Nondoctoral Faculty*

The estimated number of nondoctoral full-time faculty in all mathematics departments combined (Math Public, Math Private, Applied Math, Masters & Bachelors) is 3,692. This is down 2% from last year and is 17% of all full-time faculty (22,219) in these departments. In addition, nondoctoral tenured faculty decreased 15% from 748 to 633 this year. 195 of the nondoctoral faculty in all mathematics departments are untenured, tenure-track faculty, 4% of all untenured tenure-track faculty in these groups. Nondoctoral full-time non-tenure-track faculty increased to 2,848; this is 77% of all nondoctoral mathematics faculty.

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

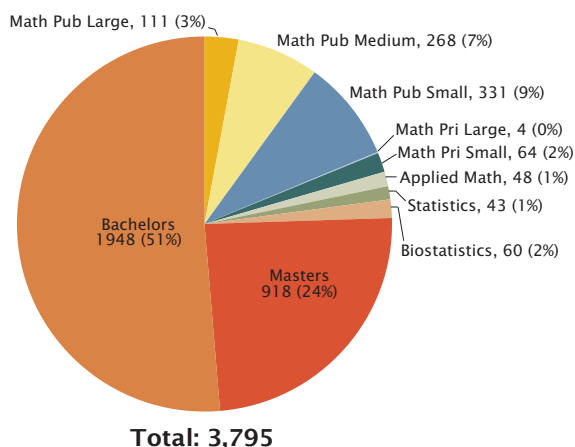


Figure ND.2: Full-time Nondoctoral Tenured Faculty

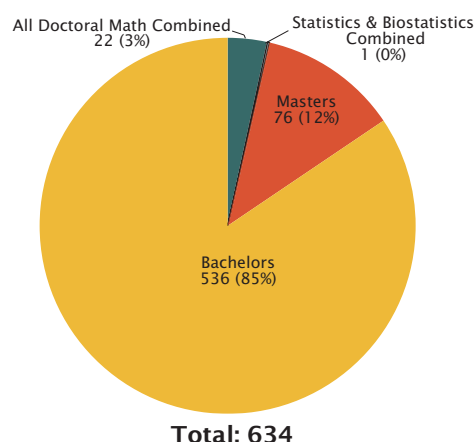


Figure ND.3: Gender of Full-time Nondoctoral Faculty
Total: 3,795



- Females account for 53% of full-time nondoctoral faculty in all mathematics groups combined (down from 54% last year), compared to females accounting for 24% of all doctoral full-time faculty and 29% of all full-time faculty.
- Total part-time nondoctoral faculty in all doctoral mathematics departments combined (Math Public, Math Private and Applied Math) is 694, 59% of all part-time faculty in these groups.

* All 2011 figures referenced on this page were adjusted to reflect the new departmental groupings introduced for 2012 (see page 166).

Female Faculty*

For the combined mathematics departments (Math Public, Math Private, Applied Math, Masters and Bachelors), women comprised 29% (6,482 with a standard error of 83) of the full-time faculty (22,219) in fall 2012. For the doctoral mathematics departments combined (Math Public, Math Private and Applied Math), women comprised 14% of the combined doctoral-holding tenured and tenure-track faculty and 27% of the doctoral-holding non-tenure-track (including postdocs) faculty in fall 2012. For Masters faculty these same percentages are 28 and 39, and for Bachelors faculty they are 29 and 33, respectively. Among the nondoctoral full-time faculty in all math departments combined, women comprise 53%. Females account for 41% of all part-time faculty in mathematics departments combined.

Figure FF.1: Tenured Female Doctoral Faculty

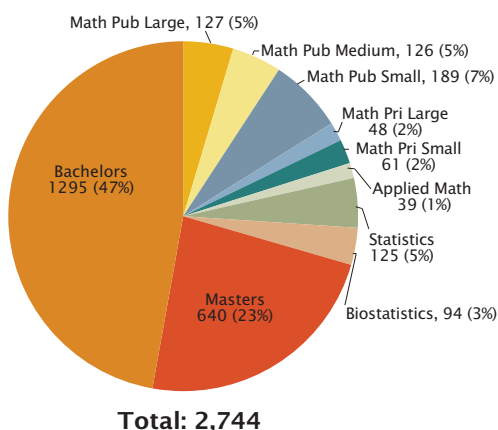


Figure FF.2: Untenured, Tenure-track Female Doctoral Faculty

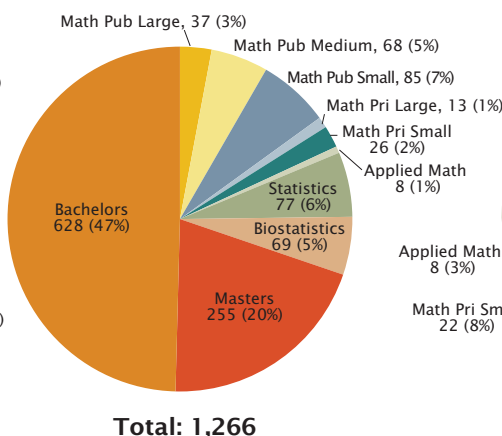


Figure FF.3: Postdoctoral Female Faculty

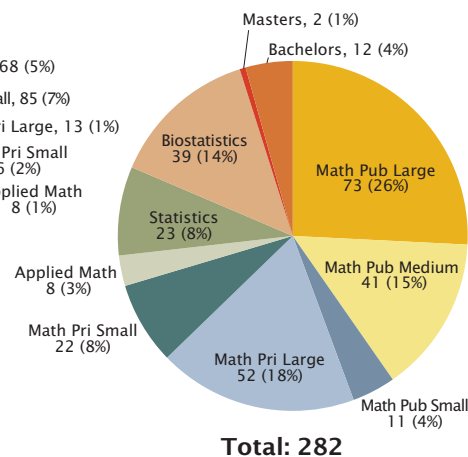
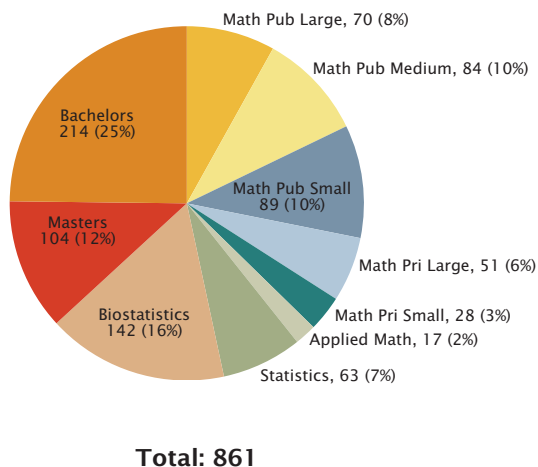


Figure FF.4: Female Doctoral Non-tenure-track Faculty (excluding Postdocs)



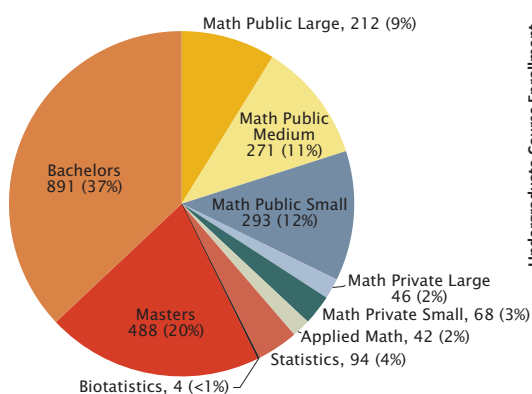
- Females hold 12% of full-time tenured and 24% of full-time untenured/tenure-track positions in all doctoral mathematics departments combined.
- 43% of all full-time female faculty (in all groups combined) are in the Bachelors Group.
- Masters departments reported the highest percentage of full-time female faculty (35%), while Math Private Large reported the lowest (14%).
- Females hold 21% of all postdoctoral appointments. 35% of all female postdocs in doctoral mathematics departments combined are found in Math Public Large departments. This group reported the highest percentage (26%) of female postdocs.
- 53% of all part-time female faculty among the mathematics departments combined are found in the Bachelors Group.

* All 2011 figures referenced on this page were adjusted to reflect the new departmental groupings introduced for 2012 (see page 166).

Undergraduate Course Enrollments

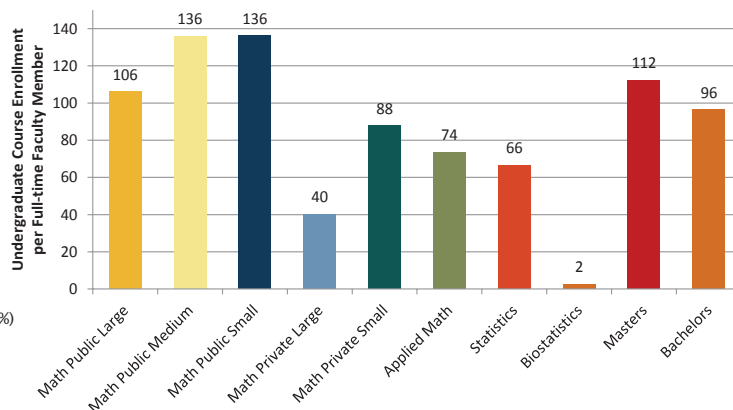
Total undergraduate enrollments for all groups combined increased by 2% (57,000) to 2,407,000 (with a standard error of 23,000). All departments combined reported an overall increase of 14% in the number of undergraduate course enrollments per full-time faculty member.

Figure UE.1: Undergraduate Course Enrollments by Department Groupings (Thousands)



Total Undergraduate Enrollments (thousands): 2,407

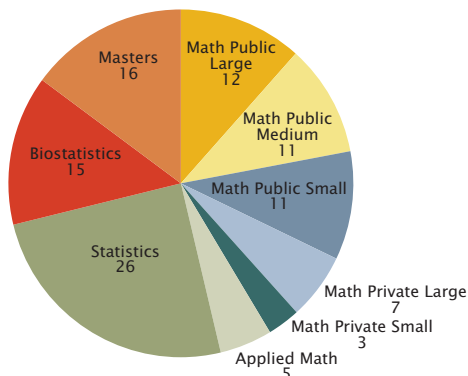
Figure UE.2: Undergraduate Course Enrollment per Full-Time Faculty Members, Fall 2012



Graduate Course Enrollments

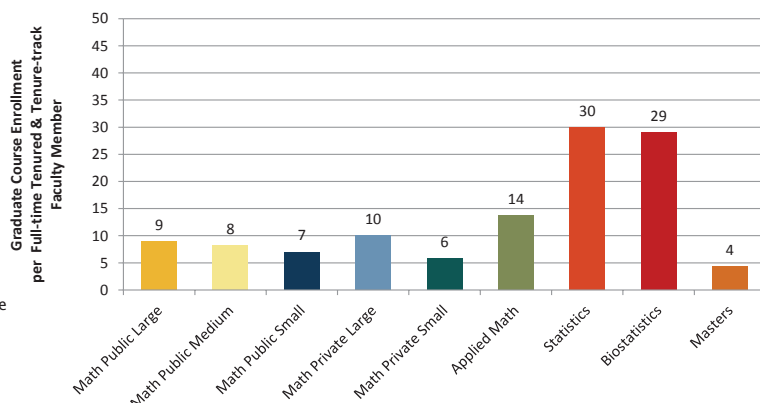
Total graduate course enrollments have increased by 3% (3,000) to 106,000 (with a standard error of 3,000). All departments combined reported an overall increase of 8% in the estimated number of graduate course enrollments per full-time tenured/tenure-track faculty member.

Figure GE.1: Graduate Course Enrollments by Department Groupings (Thousands)



Total Graduate Enrollments (thousands): 106

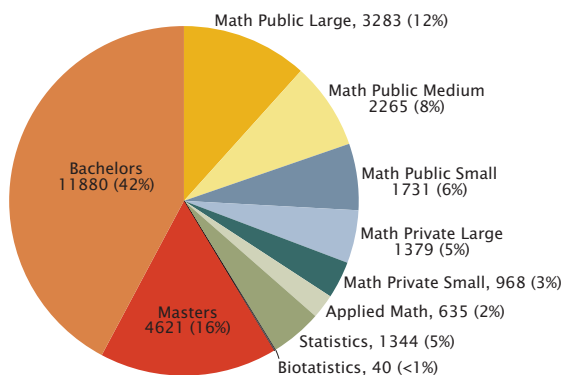
Figure GE.2: Graduate Course Enrollment per Full-Time Tenured and Tenure-track Faculty Member, Fall 2012



Undergraduate Degrees Awarded

The estimated number of undergraduate degrees awarded during 2011-2012 by all mathematics departments combined (Math Public, Math Private, Applied Math, Masters, and Bachelors) is 26,761 (with a standard error of 442), up 7% from last year's estimate of 25,054. The growth in degrees was similar for males and females. Females earned 41% (10,980) of undergraduate degrees, almost exactly the same as last year. This year's estimated number of undergraduate degrees awarded included 477 statistics-only and 1,987 computer-science only.

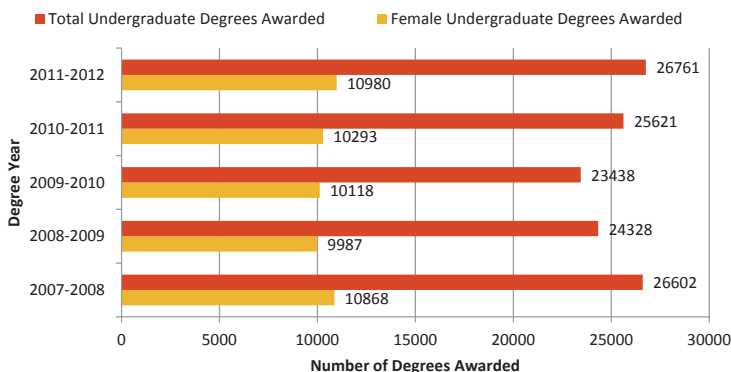
Figure UD.1: Undergraduate Degrees Awarded by Department Groupings



Total Degrees Awarded: 28,145

- Math Doctoral departments awarded 18% more degrees this year, up 1,539 from last year; 32% of all degrees awarded.
- Bachelors departments awarded 42% of all the degrees, down from 48% last year in all mathematics departments combined.
- Total statistics-only degrees increased in all mathematics departments combined by 30% to 477.
- Statistics and Biostatistics departments combined reported a 61% increase in degrees awarded, but most of the increase comes from one department that has reported tremendous growth over the past year.

Figure UD.2: Undergraduate Degrees Awarded All Mathematics Combined



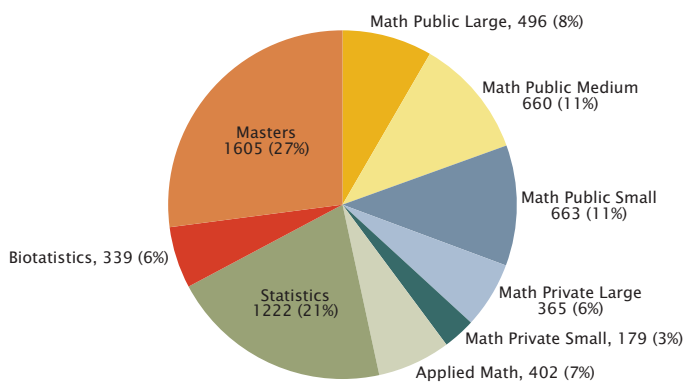
Comparing undergraduate degrees awarded this year with those awarded in 2007-2008:

- Degrees awarded have increased slightly.
- Degrees awarded to females increased by 1%.
- The percentage of total degrees awarded to females is the same, 41%.

Master's Degrees Awarded

The estimated number of master's degrees awarded during 2011-2012 in all mathematics departments combined (Math Public, Math Private, Applied Math, and Masters is 4,370, a 1% increase from last year's estimate of 4,030 (with a standard error of 131). This year's estimated graduate degrees included 1,888 statistics-only and 125 computer science-only degrees. Departments reported a slight decrease in the number of degrees awarded to females, 1,728.

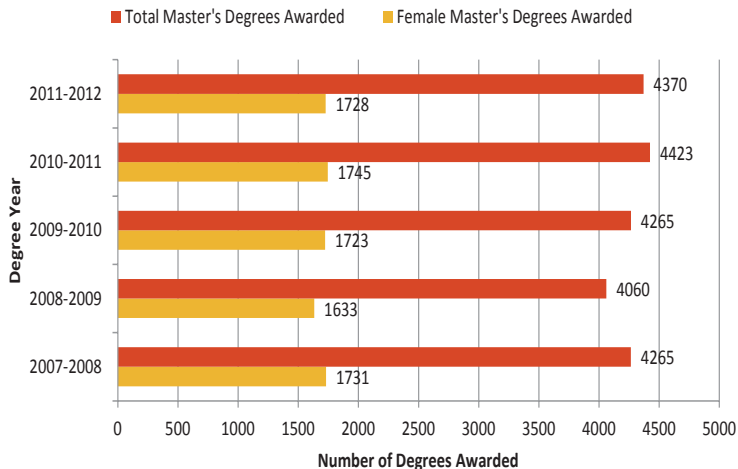
Figure MD.1: Master's Degrees Awarded by Department Groupings



Total Degrees Awarded: 5,931

- Looking at all mathematics departments combined:
 - Masters departments awarded the highest percentage of degrees (37%, down from 40% last year).
 - Math Private Small awarded the fewest degrees with 4%.
 - Females received 40% of all degrees awarded among all the mathematics departments combined; the same as last year.
 - 16% of degrees awarded to females in all mathematics departments combined were in statistics-only or computer science-only, compared to 12% for males.
- Statistics and Biotstatistics combined awarded 1,561 degrees, an increase of 14% from last year; females received 50% of these degrees (up from 47% last year).

Figure MD.2: Master's Degrees Awarded All Mathematics Combined



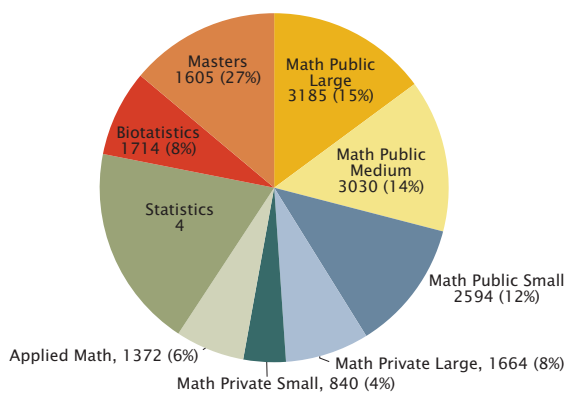
Comparing master's degrees awarded this year with those awarded in 2007-2008:

- Total degrees awarded have increased 2% overall.
- Total degrees awarded to females decreased from 41% to 40%.

Graduate Students*

The total number of full-time graduate students in all mathematics departments combined is 15,658, up from 15,122 in fall 2012. The total number of full-time graduate students in doctoral mathematics departments combined (Math Public, Math Private and Applied Math) is 12,684 (up from 12,464). The number of U.S. citizens among the doctoral mathematics departments combined dropped slightly to 6,893 and the number of U.S. citizen first-year students decreased 2% to 1,796. For Group Masters, full-time graduate students increased 8% to 2,974, the number of U.S. citizens is 2,222 (up from 2,180), and the number of first-year students is 1,302 (up from 1,244). Statistics and Biostatistics combined reported full-time graduate students as 5,749, up from 5,316.

Figure GS.1: Graduate Students by Department Groupings



Total Graduate Students: 21,407

- Full-time graduate students increased in all groups except Math Public Medium and Applied Math which decreased 2% and 3%, respectively.
- Biostatistics departments had the largest percentage increase in graduate students with 13% (up 199 from 1,515 to 1,714), while Masters departments had the largest number increase—up 326 from 2,648 to 2974.
- Females account for 36% (7,707) of the full-time graduate students; all groups reported increases except Math Public Medium, Math Private Large and Applied Math.
- First-year graduate students in Math Public Medium, Math Private Large and Biostatistics decreased by 6%, 4% and 41% respectively. All groups increased with Applied Math and Statistics increasing by 33% and 45%, respectively.
- U.S. citizen graduate students decreased slightly overall; all doctoral mathematics departments, except Math Public Small (which increased 10%) reported decreases.
- Total part-time graduate students increased slightly in all groups with Math Public Small and Masters having the largest increases at 4% and 8%, respectively.

Table GS.2: Full-Time Graduate Students in All Doctoral Math Combined by Gender and Citizenship, Fall 2006–2012

	2006	2007	2008	2009	2010	2011	2012
Total full-time graduate students	10984	10937	10883	11286	13048	12464	12684
Female	3279	3249	3193	3248	3839	3745	3771
% Female	30%	30%	29%	29%	29%	30%	30%
% U.S. Citizen	56%	56%	55%	56%	57%	56%	54%
% Underrepresented minorities ¹	9.0%	9.0%	9.0%	9.0%	9.0%	9.0%	9.0%
Total first-year graduate students	2960	2964	2924	3040	3313	3200	3394
Female	961	950	870	904	1019	1078	1036
% Female	32%	32%	30%	30%	31%	33%	31%
% U.S. Citizen	55%	56%	56%	55%	51%	50%	54%
% Underrepresented minorities	10.0%	10.0%	10.0%	10.0%	9.0%	9.0%	9.0%

¹ 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.*

Looking at Table GS.2 we see that although the numbers and percentages have fluctuated somewhat among the categories, the numbers of full-time and first-year graduate students have increased this year, while the percentage of U.S. citizens and female first-year graduate students has dropped. While the number of full-time and full-time first-year graduate students have both increased 15% above their level in 2006, they have dropped 3% and 2% from their seven year highs in 2010.

* All 2011 figures referenced on this page were adjusted to reflect the new 2012 groupings for comparison.

Remarks on on Statistical Procedures

The questionnaire on which this report is based, “Departmental Profile”, is sent to all doctoral and master’s departments. It is sent to a stratified random sample of bachelors departments, the stratifying variable being the undergraduate enrollment at the institution.

The 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 very 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 nonresponse are then made to arrive at the estimates reported for the entire groups.

Standard errors were calculated for some of the key estimates for all Doctoral Math Groups (Math Public, Math Private, and Applied Math) combined, for Groups Masters and Bachelors, and for Statistics and Biostatistics combined. 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 Group Masters is estimated at 4,347 with a standard error of 68. This means the actual number of full-time faculty in Group Masters is most likely between 4,347 plus or minus two standard errors, or between 4,211 and 4,484. This is much more informative than simply giving the estimate of 4,347.

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 but Statistics and Biostatistics combined is 22,219, with a standard error of 190.

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).

Departmental Groupings

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

departments which self-classify their Ph.D. program as being in applied mathematics will join with the other applied mathematics departments previously in Group Va to form their own group. The former Group IV will be divided into two groups, one for departments in statistics and one for departments in biostatistics.

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 <http://www.ams.org/notices/201209/rtx120901262p.pdf>.

Math. Public Large consists of departments with the highest annual rate of production of Ph.D.’s, ranging between 7.0 and 24.2 per year.

Math. Public Medium consists of departments with an annual rate of production of Ph.D.’s, ranging between 3.9 and 6.9 per year.

Math. Public Small consists of departments with an annual rate of production of Ph.D.’s of 3.8 or less per year.

Math. Private Large consists of departments with an annual rate of production of Ph.D.’s, ranging between 3.9 and 19.8 per year.

Math. Private Small consists of departments with an annual rate of production of Ph.D.’s 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.

Group Masters contains U.S. departments granting a master’s degree as the highest graduate degree.

Group Bachelors contains U.S. departments granting a baccalaureate degree only.

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

Departmental Response Rates

Survey Response Rates by New Groupings

Departmental Profile
Department Response Rates

Department Group	Number	Percent	Imputed ¹
Math Public Large	22 of 26	85%	3
Math Public Medium	31 of 40	78%	9
Math Public Small	50 of 64	78%	12
Math Private Large	23 of 24	96%	1
Math Private Small	24 of 28	86%	2
Applied Math	20 of 25 ²	80%	3
Statistics	42 of 59	71%	14
Biostatistics	17 of 35	46%	12
Masters	92 of 180	51%	40
Bachelors	273 of 591 ³	46%	83

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

² The population for Applied Math is slightly less than for the Doctorates Granted Survey because four programs do not formally "house" faculty, teach undergraduate courses, or award undergraduate degrees.

³ This is the sampled population, the total population for Bachelors is 1,007.

About the Annual Survey

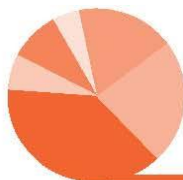
The Annual Survey series, begun in 1957 by the American Mathematical Society, is currently under the direction of the Data Committee, a joint committee of the American Mathematical Society, the American Statistical Association, the Mathematical Association of America, and the Society of Industrial and Applied Mathematics. The current members of this committee are Richard Cleary (chair), Charles Epstein, Amanda Goldbeck, Sue Geller, Boris Hasselblatt, Loek Helminck, Ellen Kirkman, Peter March, David R. Morrison, James W. Maxwell (ex officio), William Velez, and Edward Waymire. The committee is assisted by AMS survey analyst Colleen A. Rose. In addition, the Annual Survey is sponsored by the Institute of Mathematical Statistics. Comments or suggestions regarding this Survey Report may be emailed to the committee at ams-survey@ams.org.

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.

Other Sources of Data

Visit the AMS website at www.ams.org/annual-survey/other-sources for a listing of additional sources of data on the Mathematical Sciences.

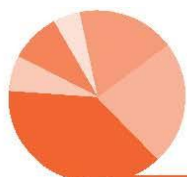


Supplemental Table(s) for the Report on Departmental Profile

Section on Faculty Size

Supplemental Table F.1: Total Faculty, Fall 2012

	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
Total full-time faculty	2004	1993	2152	1149	772	564	8634	4347	9237	22219	1186	941
<i>Standard error</i>	23	0	17	0	16	18	38	68	174	190	17	51
Tenured	1203	1122	1187	555	459	324	4850	2568	5399	12816	672	319
Untenured, tenure-track	164	243	339	93	94	56	988	682	1913	3583	212	192
Postdoctoral appointments	370	178	82	295	79	93	1097	17	27	1141	109	113
Non-tenured-track	266	450	545	206	141	91	1699	1081	1898	4678	194	317
Doctoral full-time faculty	1893	1725	1821	1145	709	516	7808	3429	7289	18527	1143	881
<i>Standard error</i>	21	0	14	0	16	17	34	52	162	174	16	48
Tenured	1199	1120	1173	554	459	324	4828	2492	4863	12183	671	319
Untenured, tenure-track	163	243	337	93	94	55	984	662	1742	3388	211	192
Postdoctoral appointments	370	178	82	295	79	82	1085	17	24	1126	109	112
Non-tenured-track	160	184	230	203	78	56	911	258	661	1830	153	258
Nondoctoral full-time faculty	111	268	331	4	64	48	826	918	1948	3692	43	60
<i>Standard error</i>	7	0	7	0	5	5	11	34	69	85	0	11
Tenured	4	2	14	1	0	0	22	76	536	633	1	0
Untenured, tenure-track	1	0	2	0	0	1	4	19	172	195	1	0
Postdoctoral appointments	0	0	0	0	0	11	11	0	4	15	0	1
Non-tenured-track	106	266	315	3	64	35	789	823	1237	2848	41	59
Total part-time faculty	121	358	434	74	116	70	1174	2084	3649	6907	107	97
<i>Standard error</i>	8	0	16	0	7	8	21	82	160	181	7	23
Doctoral	66	126	128	62	57	41	480	369	794	1642	90	91
Nondoctoral	55	232	306	12	59	30	694	1715	2855	5265	17	6



Supplemental Table(s) for the Report on Departmental Profile

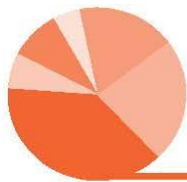
Section on Faculty Size

Supplemental Table F.2: Summary of Full-Time and Part-Time Faculty, Fall 2012

	GROUP					
	All Doctoral Math Combined		Masters & Bachelors		Statistics & Biostatistics	
	Male	Female	Male	Female	Male	Female
Full-time faculty	8634	1850	8953	4632	2128	687
<i>Percentage</i>	<i>82%</i>	<i>18%</i>	<i>66%</i>	<i>34%</i>	<i>76%</i>	<i>24%</i>
Doctoral full-time faculty	6436	1372	7570	3149	1392	633
<i>Percentage</i>	<i>82%</i>	<i>18%</i>	<i>71%</i>	<i>29%</i>	<i>69%</i>	<i>31%</i>
Tenured	4239	590	5420	1935	770	220
<i>Percentage</i>	<i>88%</i>	<i>12%</i>	<i>74%</i>	<i>26%</i>	<i>78%</i>	<i>22%</i>
Untenured/tenure-track	747	237	1521	883	257	146
<i>Percentage</i>	<i>76%</i>	<i>24%</i>	<i>63%</i>	<i>37%</i>	<i>64%</i>	<i>36%</i>
Postdoctoral appointments	879	207	27	14	159	62
<i>Percentage</i>	<i>81%</i>	<i>19%</i>	<i>66%</i>	<i>34%</i>	<i>72%</i>	<i>28%</i>
Non-tenure-track	572	338	602	317	205	206
<i>Percentage</i>	<i>63%</i>	<i>37%</i>	<i>65%</i>	<i>35%</i>	<i>50%</i>	<i>50%</i>
Nondoctoral full-time faculty	348	478	1383	1483	49	55
<i>Percentage</i>	<i>42%</i>	<i>58%</i>	<i>48%</i>	<i>52%</i>	<i>47%</i>	<i>53%</i>
Part-time	747	426	3318	2415	138	66
<i>Percentage</i>	<i>64%</i>	<i>36%</i>	<i>58%</i>	<i>42%</i>	<i>68%</i>	<i>32%</i>

Supplemental Table F.3: Part-Time Faculty, Fall 2012

Part-time Faculty	GROUP							
	All Math. Combined		Masters		Bachelors		Statistics & Biostatistics	
	Male	Female	Male	Female	Male	Female	Male	Female
Doctoral	373	107	243	126	557	236	127	54
Nondoctoral	375	320	933	782	1585	1270	11	12
Total	747	426	1176	908	2142	1507	138	66



Supplemental Table(s) for the Report on Departmental Profile

Section on Nondoctoral Faculty

Supplemental Table ND.1: Nondoctoral Full-Time Faculty, Fall 2012

Full-time Faculty	GROUP							
	All Doctoral Math Combined		Masters		Bachelors		Statistics & Biostatistics	
	Male	Female	Male	Female	Male	Female	Male	Female
Without a Doctorate	348	478	394	524	989	959	49	55
Tenured	16	5	36	40	326	210	1	0
Untenured, tenure-track	3	1	4	15	95	77	1	0
Postdoctoral appointments	6	6	0	0	4	0	1	0
Non-tenure-track	323	466	354	469	565	672	45	55



Supplemental Table(s) for the Report on Departmental Profile

Section on Female Faculty Size

Supplemental Table FF.1: Female Faculty, Fall 2012

	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
Female full-time faculty	368	499	555	165	172	90	1850	1524	3108	6482	311	377
<i>Standard error</i>	7	0	7	0	4	4	11	36	74	83	6	27
Tenured	128	126	193	48	61	39	595	680	1505	2780	125	94
Untenured, tenure-track	37	68	86	13	26	8	238	271	704	1213	77	69
Postdoctoral appointments	73	41	11	52	22	14	212	2	12	226	23	39
Non-tenured-track	130	264	265	52	64	30	804	572	886	2263	85	175
Female Doctoral full-time faculty	307	319	374	164	137	72	1372	1001	2149	4521	289	344
Tenured	127	126	189	48	61	39	590	640	1295	2525	125	94
Untenured, tenure-track	37	68	85	13	26	8	237	255	628	1120	77	69
Postdoctoral appointments	73	41	11	52	22	8	207	2	12	220	23	39
Other non-tenure-track	70	84	89	51	28	17	338	104	214	656	63	142
Female Nondoctoral full-time faculty	61	180	182	1	36	18	478	524	959	1960	22	33
Tenured	1	0	4	0	0	0	5	40	210	255	0	0
Untenured, tenure-track	0	0	1	0	0	0	1	15	77	93	0	0
Postdoctoral appointments	0	0	0	0	0	6	6	0	0	6	0	0
Other non-tenure-track	60	180	177	1	36	13	466	469	672	1607	22	33
Female part-time faculty	35	136	174	11	51	19	426	908	1507	2842	32	34
Doctoral	77	69	146	146	0	383	820	628	0	1447	114	52
Nondoctoral	23	39	62	62	0	268	454	12	0	466	0	52



Supplemental Table(s) for the Report on Departmental Profile

Section on Female Faculty Size

Supplemental Table FF.2: Full-Time Faculty, Fall 2012

	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	2004	1993	2152	1149	772	564	8634	4347	9237	22219	1186	941	24346
Percentage of total full-time faculty	8%	8%	9%	5%	3%	2%	35%	18%	38%	91%	5%	4%	100%
Female full-time faculty	368	499	555	165	172	90	1850	1524	3108	6482	311	377	7169
Percentage of total female full-time faculty	5%	7%	8%	2%	2%	1%	26%	21%	43%	90%	4%	5%	100%
As a percentage of female full-time faculty within group	18%	25%	26%	14%	22%	16%	21%	35%	34%	29%	26%	40%	29%



Supplemental Table(s) for the Report on Departmental Profile

Section on Female Faculty Size

Supplemental Table FF.3: Mathematics Faculty Counts and Percentage Female, Fall 2004-2012

	2004	2005	2006	2007	2008	2009	2010	2011	2012
All Doctoral Mathematics									
Doctoral full-time faculty									
Tenured/tenure-track	5604	5686	5668	5709	5666	5834	5742	5775	5812
Percentage female	11%	11%	12%	12%	13%	13%	14%	14%	14%
Nontenured*	1314	1401	1461	1576	1598	1681	1770	1837	1996
Percentage female	25%	24%	25%	25%	25%	27%	28%	27%	27%
Part-time faculty	1355	1054	1128	1143	1165	1154	1118	1099	1174
Percentage female	37%	37%	40%	37%	37%	39%	38%	38%	36%
Group M									
Doctoral full-time faculty									
Tenured/tenure-track	3113	3351	3400	3325	3403	3208	3124	3143	3154
Percentage female	23%	24%	25%	25%	26%	27%	27%	28%	28%
Nontenured*	277	263	283	232	232	220	236	245	275
Percentage female	48%	36%	28%	38%	32%	31%	38%	39%	38%
Part-time faculty	1888	1842	1493	1868	1824	1802	1781	1762	2084
Percentage female	37%	37%	41%	39%	42%	44%	43%	42%	44%
Group B									
Doctoral full-time faculty									
Tenured/tenure-track	5770	6875	6623	6427	6733	6914	6783	6594	6605
Percentage female	25%	25%	27%	27%	25%	29%	29%	29%	29%
Nontenured*	472	516	545	363	532	636	521	672	685
Percentage female	29%	32%	25%	33%	26%	28%	23%	34%	33%
Part-time faculty	4846	3630	3922	4053	3703	3614	3167	3087	3649
Percentage female	44%	41%	40%	43%	46%	43%	47%	43%	41%

* Includes postdoctoral appointments.



Supplemental Table(s) for the Report on Departmental Profile

Supplemental Table UE.1: Undergraduate Enrollment per Full-time-Faculty Member, Fall 2012

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

Supplemental Table UE.2: Undergraduate Enrollment by Department Grouping, Fall 2012
(Thousands)

	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
<i>Standard error</i>	0	3	4	0	2	3	8	20	2	1	23



Supplemental Table(s) for the Report on Departmental Profile

Section on Graduate Course Enrollments

Supplemental Table GE.1: Graduate Enrollment per Full-time Tenured/Tenure-track Faculty Member, Fall 2012

	Math. Public Large	Math. Public Medium	Math. Public Small	Math. Private Large	Math. Private Small	Applied Math.	Masters	Bachelors	Statistics	Biostatistics
Graduate Enrollment	9	8	7	10	6	14	5	0	30	29

Supplemental Table GE.2: Graduate Course Enrollments by Department Grouping, Fall 2012
(Thousands)

	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
<i>Standard error</i>	0	0	0	0	0	0	1	1	2	3



Supplemental Table(s) for the Report on Departmental Profile

Section on Undergraduate Degrees Awarded

Supplemental Table UD.1: Undergraduate Degrees Awarded, 2011-2012*
by Type of Degree-Granting Department

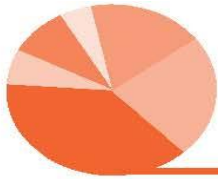
	Math. Public Large	Math. Public Medium	Math. Public Small	Math. Private Large	Math. Private Small	Applied Math.	Masters	Bachelors	All Math. Combined	Statistics	Biostatistics
Total Undergraduate Degrees											
Degrees Awarded	3283	2265	1731	1379	968	635	4621	11880	26761	1344	40
<i>Standard error</i>	<i>116</i>	<i>0</i>	<i>41</i>	<i>0</i>	<i>31</i>	<i>59</i>	<i>146</i>	<i>392</i>	<i>442</i>	<i>69</i>	<i>11</i>
Statistics only	80	41	80	4	4	26	161	80	477	692	13
Computer Science only	11	5	30	20	39	0	259	1602	1967	5	0
Female Undergraduate Degrees											
Degrees Awarded	1153	836	713	390	396	202	2164	5126	10980	550	13
Statistics only	29	18	30	2	3	10	66	44	203	281	4
Computer Science only	2	0	8	5	6	0	49	282	352	1	0

*Degrees awarded between July 1, 2011 and June 30, 2012.

Supplemental Table UD.2: Undergraduate Degrees Awarded,
All Mathematics Combined for 2006-2012*

	2006-2007	2007-2008	2008-2009	2009-2010	2010-2011	2011-2012
Total Undergraduate Degrees Awarded	23930	26602	24328	23438	25621	26761
Female Undergraduate Degrees Awarded	9310	10868	9987	10118	10293	10980
Percentage female	39%	41%	41%	43%	44%	41%

*Degrees awarded between July 1 and June 30 of the years indicated.



Supplemental Table(s) for the Report on Departmental Profile

Section on Master's Degrees Awarded

Supplemental Table MD.1: Master's Degrees Awarded, 2011-2012*
by Type of Degree-Granting Department

	Math. Public Large	Math. Public Medium	Math. Public Small	Math. Private Large	Math. Private Small	Applied Math.	Masters	All Math. Combined	Statistics	Biostatistics
Total Master's										
Degrees Awarded	496	660	663	365	179	402	1605	4370	1222	339
<i>Standard error</i>	14	0	12	0	9	28	57	67	43	24
Statistics only	41	68	101	11	12	67	177	477	1155	257
Computer Science only	7	9	14	4	3	0	86	124	1	0
Female Master's										
Degrees Awarded	177	292	255	106	55	140	703	1728	578	197
Statistics only	24	31	47	6	5	34	93	240	545	144
Computer Science only	0	3	7	1	0	0	29	40	0	0

*Degrees awarded between July 1, 2011 and June 30, 2012.

Supplemental Table MD.2: Master's Degrees Awarded,
All Mathematics Combined for 2006-2012*

	2006-2007	2007-2008	2008-2009	2009-2010	2010-2011	2011-2012
Total Master's Degrees Awarded	4291	4265	4060	4265	4423	4370
Female Master's Degrees Awarded	1717	1731	1633	1723	1745	1728
Percentage female	40%	41%	40%	40%	39%	40%

*Degrees awarded between July 1 and June 30 of the years indicated.



Supplemental Table(s) for the Report on Departmental Profile

Section on Graduate Students

Supplemental Table GS.1: Graduate Students, Fall 2012

	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
Total Graduate Students											
Full-time	3185	3030	2594	1664	840	1372	12684	2974	15658	4035	1714
<i>Standard error</i>							113	197	227	95	123
First-year graduate students	676	718	730	573	227	470	3394	1302	4696	1284	489
<i>Standard error</i>							55	71	90	53	30
Part-time	211	359	761	296	169	168	1964	1763	3727	637	275
<i>Standard error</i>							43	125	133	65	35
Female Graduate Students											
Full-time	823	1013	859	372	267	437	3771	1251	5023	1768	916
First-year full-time	173	225	252	138	77	171	1036	569	1605	620	269
Part-time	85	164	277	68	55	53	702	820	1522	234	165
U.S. Citizen Graduate Students											
Full-time	1827	1889	1490	646	442	600	6893	2222	9115	1315	884
<i>Standard error</i>							52	155	163	29	64
First-year full-time	387	467	464	163	108	208	1796	995	2791	369	273
Part-time	166	307	614	183	128	117	1515	1592	3106	473	188
<i>Standard error</i>							34	114	119	56	25



Supplemental Table(s) for the Report on Departmental Profile

Section on Graduate Students

Supplemental Table GS.2: Full-Time Graduate Students in All Doctoral Mathematics Departments Combined
by Sex and Citizenship, Fall 2002-2012

	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Total full-time graduate students	9972	10444	10707	10565	10984	10937	10883	11286	13048	12514	12684
Female	3136	3215	3245	3111	3279	3249	3193	3248	3839	3773	3771
% Female	31%	31%	30%	29%	30%	30%	29%	29%	29%	30%	30%
% U.S. Citizen	51%	54%	55%	56%	56%	56%	55%	56%	57%	56%	54%
% Underrepresented minorities		10%	9.0%	10.0%	9.0%	9.0%	9.0%	9.0%	9.0%	9.0%	9.0%
Total first-year graduate students	2996	2711	3004	2832	2960	2964	2924	3040	3313	3288	3394
Female	1038	902	983	851	961	950	870	904	1019	1077	1036
% Female	35%	33%	33%	30%	32%	32%	30%	30%	31%	33%	31%
% U.S. Citizen	55%	56%	60%	59%	55%	56%	56%	55%	51%	50%	54%
% Underrepresented minorities		12.0%	9.0%	10.0%	10.0%	10.0%	10.0%	10.0%	9.0%	9.0%	9.0%