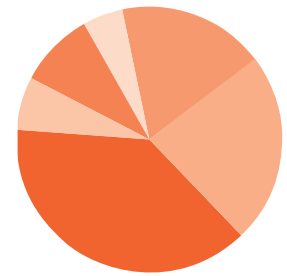


ANNUAL SURVEY



Fall 2016 Departmental Profile Report

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

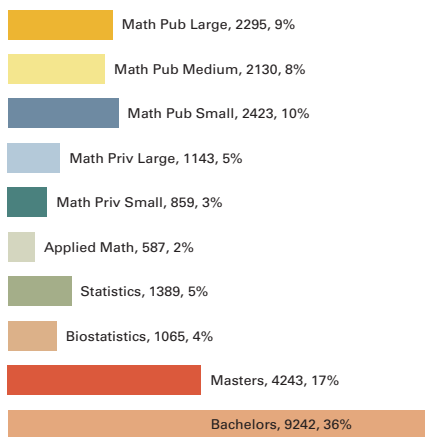
This report presents a profile of mathematical sciences (MS) departments at four-year colleges and universities in the United States, as of fall 2016. The information presented includes the numbers of faculty in various categories, undergraduate and graduate course enrollments, numbers of bachelor's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

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

Faculty Size

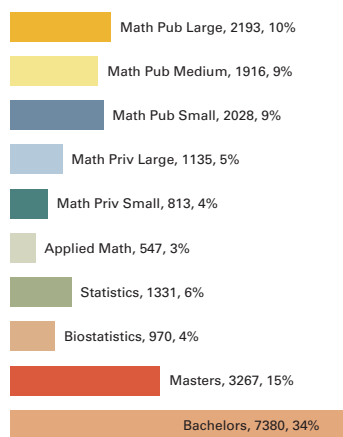
The estimated number of full-time faculty in MS for fall 2016 is 25,376. Of these, 22,922 were in Math (up 2% from 22,373 in 2015) and 2,454 were in Stats (up 9.5% from 2,241). Full-time faculty in the Doctoral Math Group increased 4% to 9,437 from 9,059. In Math we estimate that the number of nondoctoral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

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



Total: 25,376

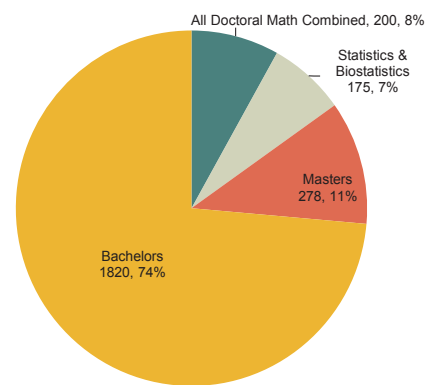
Figure F.2: Full-time Doctoral* Faculty by Department Grouping



Total: 21,580

*Doctoral-holding

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



Total: 2,473*

*(32% teach only computer science courses)

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Table F.1: Total Faculty, Fall 2016

	Math Public Large	Math Public Medium	Math Public Small	Math Private Large	Math Private Small	Applied Math	All Doctoral Math Combine d	Masters	Bachelors	All Math Combined	Statistics	Biostatistics	Statistics & Biostatistics Combined	Total All Groups Combined
Total full-time faculty	2295	2130	2423	1143	859	587	9437	4243	9242	22922	1389	1065	2454	25376
<i>Standard error</i>	79	41	63	32	31	23	120	125	210	272	68	76	76	331
Tenured	1205	1078	1293	564	480	289	4909	2294	4936	12139	734	361	1095	13234
Full Professors	965	780	824	508	356	204	3637	1344	2843	7824	545	263	808	8632
Other	240	298	469	56	124	85	1272	950	2093	4315	189	98	287	4602
Tenure-eligible (without tenure)	184	274	346	96	111	73	1084	608	1661	3353	250	218	468	3821
Non-tenured-track	906	778	784	483	268	225	3444	1341	2645	7430	405	486	891	8321
Postdoctoral appointments	462	246	104	317	75	85	1289	58	130	1477	115	65	180	1657
Renewable appointments	407	415	598	99	149	131	1799	1075	2041	4915	256	388	644	5559
Fixed-term appointments	31	106	52	63	44	4	300	193	416	909	28	18	46	955
Other appointments	6	11	30	4	0	5	56	15	58	129	6	15	21	150
Doctoral full-time faculty	2193	1916	2028	1135	813	547	8632	3267	7380	19279	1331	970	2301	21580
<i>Standard error</i>	63	38	52	31	30	22	38	74	96	127	64	63	63	136
Tenured	1205	1077	1287	564	480	289	4902	2239	4690	11831	733	361	1094	12925
Full Professors	965	780	822	508	356	204	3635	1319	2761	7715	545	263	808	8523
Other	240	297	465	56	124	85	1267	920	1929	4116	188	98	286	4402
Tenure-eligible (without tenure)	184	274	346	96	111	73	1084	589	1556	3229	250	216	466	3695
Non-tenured-track	804	565	395	475	222	185	2646	439	1134	4219	348	393	741	4960
Postdoctoral appointments	462	246	104	317	75	85	1289	58	130	1477	115	65	180	1657
Renewable appointments	314	239	248	97	106	93	1097	300	760	2157	203	299	502	2659
Fixed-term appointments	22	73	29	57	41	4	226	79	217	522	24	18	42	564
Other appointments	6	7	14	4	0	3	34	2	27	63	6	11	17	80
Nondoctoral full-time faculty	102	214	395	8	46	40	805	976	1862	3643	58	95	153	3796
<i>Standard error</i>	22	14	26	3	9	6	38	74	96	127	8	74	27	136
Tenured	0	1	6	0	0	0	7	55	246	308	1	0	1	309
Full Professors	0	0	2	0	0	0	2	25	82	109	0	0	0	109
Other	0	1	4	0	0	0	5	30	164	199	1	0	1	200
Tenure-eligible (without tenure)	0	0	0	0	0	0	0	19	105	124	0	2	2	126
Non-tenured-track	102	213	389	8	46	40	798	902	1511	3211	57	93	150	3361
Renewable appointments	93	176	350	2	43	38	702	775	1281	2758	53	89	142	2900
Fixed-term appointments	9	33	23	6	3	0	74	114	199	387	4	0	4	391
Other appointments	0	4	16	0	0	2	22	13	31	66	0	4	4	70
Total part-time faculty	220	391	462	74	136	69	1352	1936	4374	7662	125	125	250	7912
<i>Standard error</i>	35	22	23	7	14	6	50	163	235	290	24	49	49	304
Doctoral	115	142	159	60	72	32	580	292	886	1758	80	100	180	1938
Faculty with benefits received	77	51	41	10	30	4	213	84	195	492	45	7	52	544
Other part-time faculty	28	72	104	44	40	24	312	191	662	1165	26	92	118	1283
Phased Retirements	10	19	14	6	2	4	55	17	29	101	9	1	10	111
Nondoctoral	105	249	303	14	64	37	772	1644	3488	5904	45	25	70	5974
Faculty with benefits received	77	99	101	4	13	16	310	495	589	1394	18	1	19	1413
Other part-time faculty	27	146	202	10	51	21	457	1103	2859	4419	27	24	51	4470
Phased Retirements	1	4	0	0	0	0	5	46	40	91	0	0	0	91

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

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

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

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

Part-time Faculty	GROUP														
	All Doctoral Math Combined			Masters			Bachelors			Statistics & Biostatistics			Total		
	Men	Women	Other	Men	Women	Other	Men	Women	Other	Men	Women	Other	Men	Women	Other
Doctoral	416	166	-	229	74	-	602	285	-	144	57	-	1391	582	-
Nondoctoral	407	365	-	928	687	-	1813	1645	-	36	35	-	3184	2732	-
Total	823	531	-	1157	761	-	2415	1930	-	180	92	-	4575	3314	-

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

Full-time Faculty	Math Public Large	Math Public Medium	Math Public Small	Math Private Large	Math Private Small	Applied Math	All Doctoral Math Combined	Masters	Bachelors	All Math Combined	Statistics	Biostatistics	Statistics & Biostatistics Combined	Total All Groups Combined
Teaching Outside the Math. Sci.	25	52	67	17	31	8	200	278	1820	2298	22	153	175	2473
<i>Standard Error</i>	4	9	6	5	5	1	14	36	75	85	2	27	27	94
Percentage of full-time faculty	1%	2%	3%	1%	4%	1%	2%	7%	20%	9%	2%	14%	7%	10%
Teaching Computer Science only	5	1	11	13	9	1	40	93	637	770	2	15	17	787
<i>Standard Error</i>	1	0	3	3	3	0	5	19	36	41	0	7	7	43
Percentage of full-time Outside Math. Sci.	20%	2%	16%	76%	29%	13%	20%	33%	35%	34%	9%	10%	10%	32%