Texas A&M University-Central Texas Program Review Data
Master of Science in Mathematics

Table 4. Applied, Admitted, and Newly Enrolled Students. The number of applicants, admissions, and students newly enrolled in the program in the fall semester of the academic year identified. The applied, admitted, and enrolled counts include only students who identified the program on their applications to the university. Additionally, the table includes counts of students who indicated a different program on their application to the university but elected to enroll in the program upon admission. Counts include both students new to the program and students previously enrolled who returned after stopping out one or more semesters.
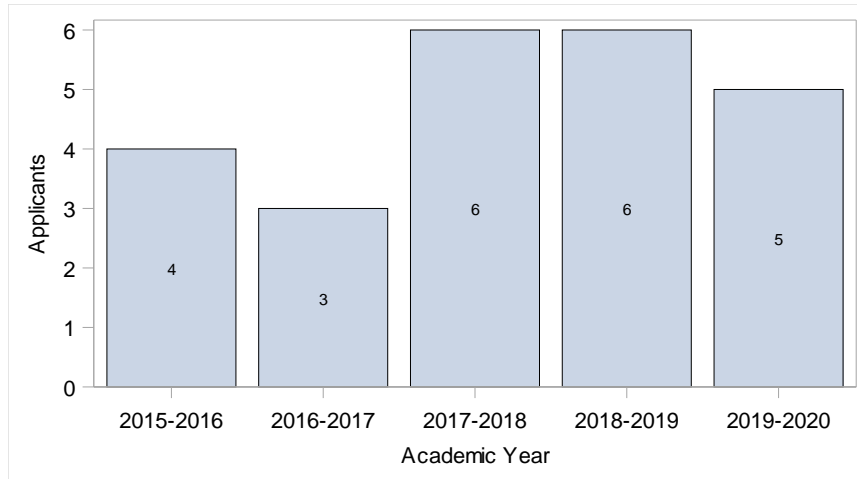
Program	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
Applied	4	3	6	6	5
Admitted	4	3	6	6	4
Enrolled	4	1	0	3	4
Enrolled after Applying to a Different Program	0	1	.	0	0
College	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
Applied	21	38	24	23	21
Admitted	21	36	22	22	19
Enrolled	16	23	12	17	15
University	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
Applied	165	243	170	182	130
Admitted	165	235	165	178	124
Enrolled	122	139	104	116	84

Table 5. Annual Unduplicated Headcount. Counts of unique students attending the program in a given year. Students who change majors are counted in the program last enrolled. Students enrolled in multiple semesters are counted once each year. The counts include self-reported gender and race/ethnicity. Counts of Hispanic students include students identified regardless of the identified race. The other race category includes students who identified in races not presented in the table. The table includes the census date classification of students of the last semester attended in the academic year. Students who enroll in 12 undergraduate or 9 graduate hours in any semester during the year are categorized as full-time; otherwise, they are categorized as part-time. Counts for race/ethnicity and age are masked for values fewer than five and denoted by period.
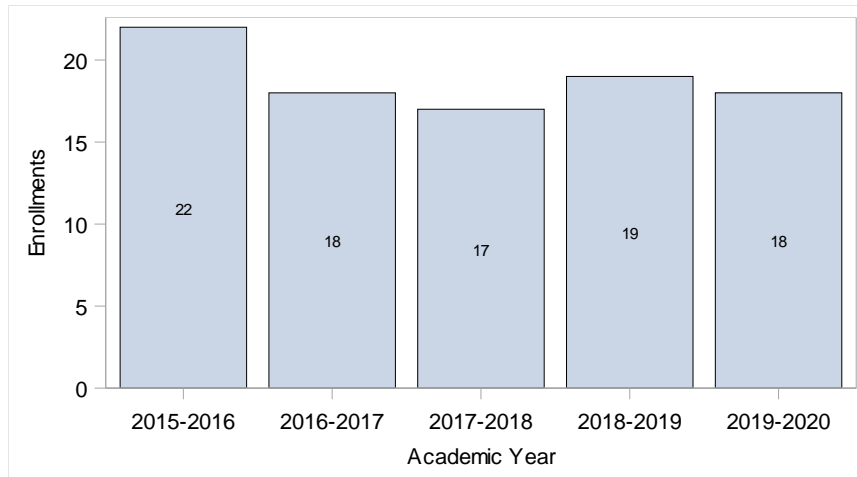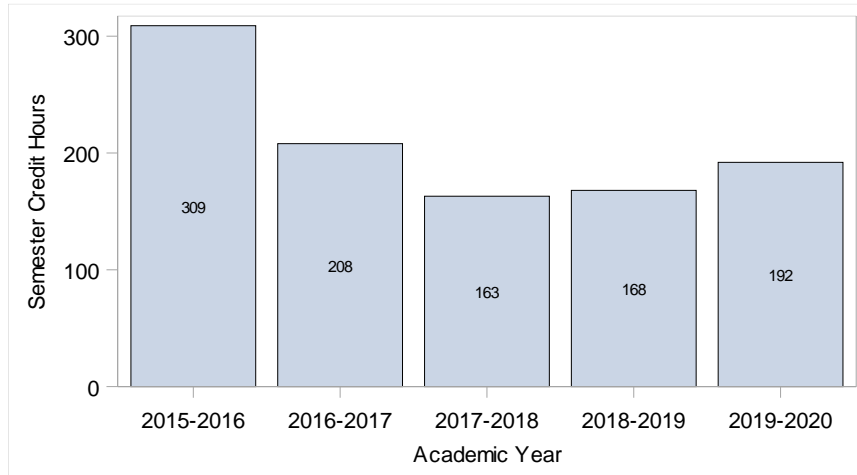
Program	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
Master of Science in Mathematics	22	18	17	19	18
1 Female	11	8	11	8	8
2 Male	11	10	6	11	10
1 White	15	9	10	8	8
2 Hispanic	.	6	5	.	.
3 African American	.	.	.	.	.
4 Other	.	.	.	.	7
6 Graduate	22	18	17	19	18
Full-Time	11	1	5	4	5
Part-Time	11	17	12	15	13
D 19 to 21	.	.	.	.	.
E 22 to 24	.	.	.	.	.
F 25 to 34	10	8	8	6	6
G 35 to 50	8	7	8	10	8
H 51 to 64	.	.	.	.	.

College	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
College of Arts and Sciences - Graduate	106	92	83	81	81
1 Female	53	45	48	44	42
2 Male	53	47	35	37	39
1 White	61	54	45	39	43
2 Hispanic	19	14	17	15	9
3 African American	17	15	12	14	12
4 Other	9	9	9	13	17
4 Senior	0	0	1	0	0
6 Graduate	106	92	82	81	81
Full-Time	48	29	30	23	30
Part-Time	58	63	53	58	51
D 19 to 21	.	.	.	.	.
E 22 to 24	11	6	10	6	10
F 25 to 34	45	36	29	33	23
G 35 to 50	36	36	32	28	34
H 51 to 64	12	12	9	10	11
I 65 and Over	.	.	.	.	.

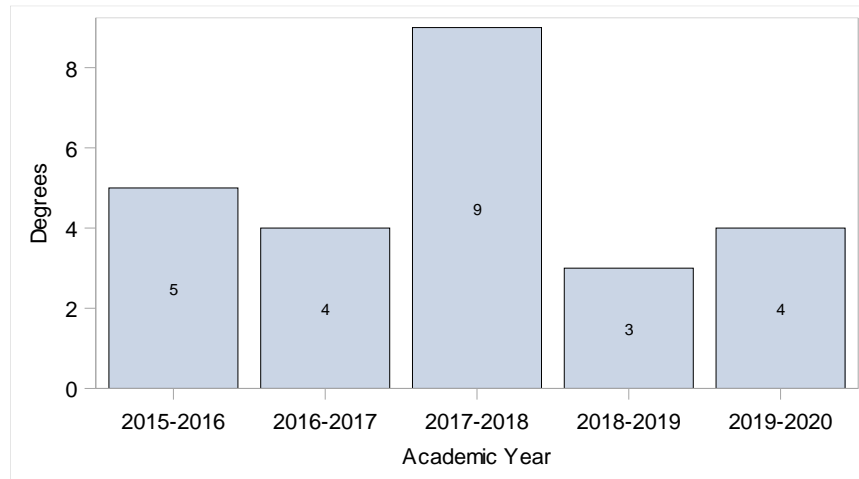| University	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
University - Graduate	805	808	744	704	608
1 Female	499	500	467	440	386
2 Male	306	308	277	264	222
1 White	345	350	328	313	268
2 Hispanic	147	161	153	137	111
3 African American	215	205	184	172	153
4 Other	98	92	79	82	76
4 Senior	0	0	2	0	0
6 Graduate	805	808	742	704	608
Full-Time	377	309	298	286	264
Part-Time	428	499	446	418	344
D 19 to 21	.	.	.	.	.
E 22 to 24	80	69	55	51	48
F 25 to 34	297	309	293	281	228
G 35 to 50	357	354	322	301	260
H 51 to 64	60	70	65	63	63
I 65 and Over	.	.	.	.	.

Table 6. Semester Credit Hours. Hours attended by students who declared the program as their major in the year indicated by level, gender, race and ethnicity, and student classification. Hours include all course enrollments by the students in the program, including those taught outside the program's department and college (i.e., electives and courses required for minors).

Program	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
Master of Science in Mathematics	309	208	163	168	192
1 Female	177	85	121	75	81
2 Male	132	123	42	93	111
1 White	201	113	112	69	84
2 Hispanic	60	71	36	39	33
3 African American	0	3	0	9	0
4 Other	48	21	15	51	75
4 Senior	0	0	12	0	0
6 Graduate	309	208	151	168	192

College	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
College of Arts and Sciences - Graduate	1,297	1,177	993	883	999
1 Female	660	554	608	460	511
2 Male	637	623	385	423	488
1 White	797	692	569	472	495
2 Hispanic	215	185	183	156	141
3 African American	177	180	145	132	156
4 Other	108	120	96	123	207
4 Senior	0	0	42	30	0
5 Post-Baccalaureate	0	0	12	0	0
6 Graduate	1,297	1,177	939	853	999
University	**2015-2016**	**2016-2017**	**2017-2018**	**2018-2019**	**2019-2020**
University - Graduate	10,180	10,270	9,368	8,679	7,852
1 Female	6,528	6,412	5,961	5,499	5,105
2 Male	3,652	3,858	3,407	3,180	2,747
1 White	4,359	4,459	4,248	3,932	3,412
2 Hispanic	1,866	2,070	1,747	1,680	1,521
3 African American	2,767	2,597	2,336	2,074	1,914
4 Other	1,188	1,144	1,037	993	1,005
4 Senior	0	0	131	96	21
5 Post-Baccalaureate	0	0	12	6	0
6 Graduate	10,180	10,270	9,225	8,577	7,831

Table 7. Annual Degrees Awarded. The counts of degrees awarded by the program each year disaggregated by gender and race/ethnicity.
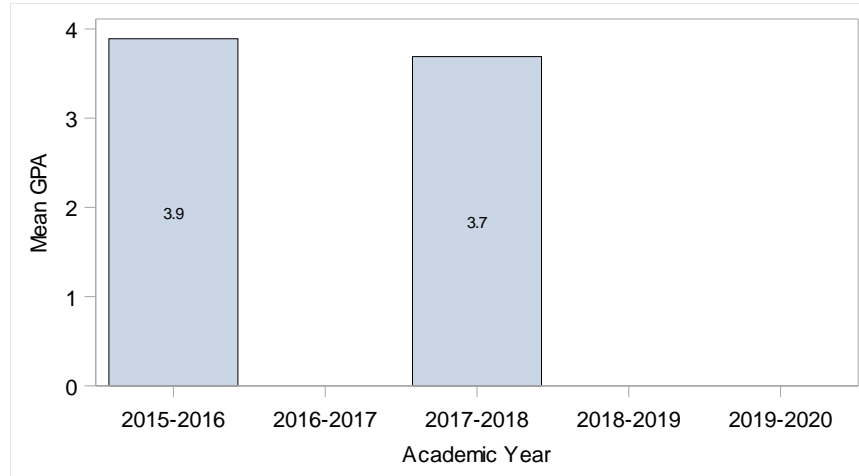

Program	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
Master of Science in Mathematics	5	4	9	3	4
1 Female	4	0	5	1	2
2 Male	1	4	4	2	2
1 White	.	.	5	.	.
2 Hispanic	.	.	.	.	.
4 Other	.	.	.	.	.
College	**2015-2016**	**2016-2017**	**2017-2018**	**2018-2019**	**2019-2020**
College of Arts and Sciences - Graduate	16	21	29	15	17
1 Female	11	7	15	10	8
2 Male	5	14	14	5	9
1 White	12	14	19	9	10
2 Hispanic	2	4	4	3	2
3 African American	1	0	3	2	1
4 Other	1	3	3	1	4
University	**2015-2016**	**2016-2017**	**2017-2018**	**2018-2019**	**2019-2020**
University - Graduate	170	171	203	187	159
1 Female	108	111	121	124	103
2 Male	62	60	82	63	56
1 White	78	73	97	86	64
2 Hispanic	29	31	36	33	32
3 African American	41	41	46	46	39
4 Other	22	26	24	22	24

Table 8. Semesters-to-Degree. The average number of semesters students attend classes at the university to complete the program. The average excludes the semesters attended to complete lower-level work at community colleges or other universities. The averages include students completing a degree in the year indicated. The reported values exclude students persisting or no longer enrolled at the university. The averages exclude students completing a second degree at the same level.
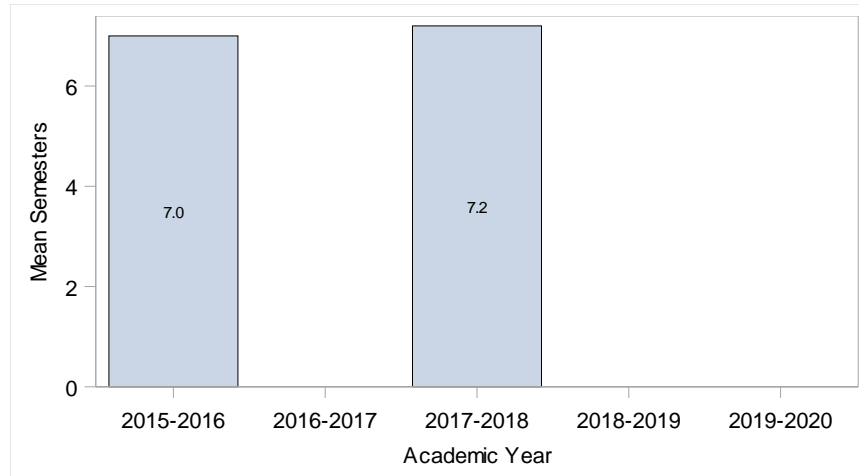
Category	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
Master of Science in Mathematics	7.0	.	7.2	.	.
College of Arts and Sciences - Graduate	5.8	6.9	6.9	6.9	6.6
University - Graduate	6.5	6.3	6.5	6.6	6.7

Table 9. Mean Institutional Grade Point Average (GPA). The mean GPA of students completing the program. The means do not include GPAs of those yet to complete the program, either persisting, stopping out, or dropping out. Grade points for courses transferred into the university are excluded; the averages only include university offered and attended courses—the university grades on a 4.0-grade scale. The means do not include courses where students received a grade other than an A through F (i.e., Pass/Fail or Incomplete).
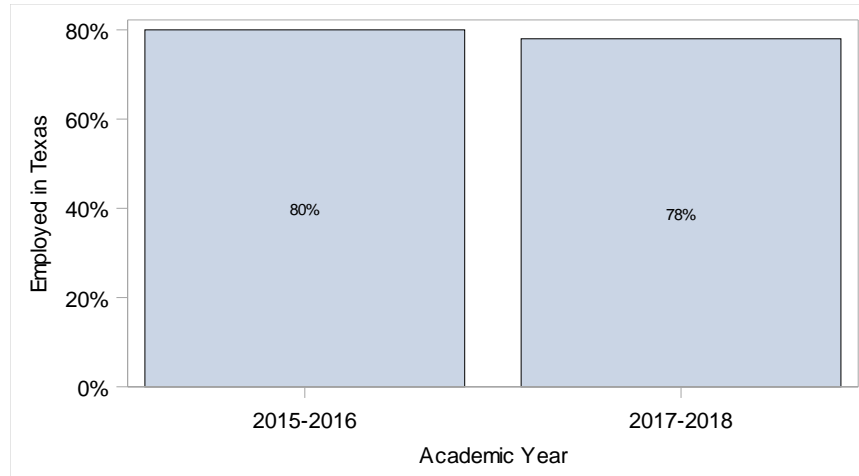

Category	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
Master of Science in Mathematics	3.9	.	3.7	.	.
College of Arts and Sciences - Graduate	3.8	3.8	3.7	3.6	3.7
University - Graduate	3.7	3.7	3.7	3.7	3.7

Table 10.   Marketable Skills. Students respond to questions on the graduation survey related to marketable skills to indicate perceived gains. The table indicates the percentage of responding graduates who responded as either competent, expert, or advanced.
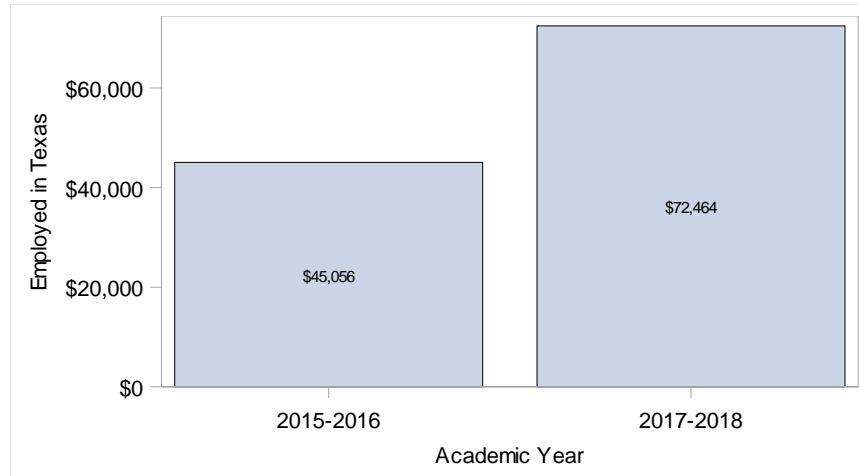
Program	2014-2015	2015-2016	2016-2017	2017-2018	2018-2019
Computer Science	.	.	.	.	.
Decision Making	.	.	.	.	.
Discipline-Specific Knowledge	.	.	.	.	.
Ethical and Social Responsibility	.	.	.	.	.
Global Diversity	.	.	.	.	.
Information Processing	.	.	.	.	.
Planning	.	.	.	.	.
Problem Solving	.	.	.	.	.
Quantitative Analysis	.	.	.	.	.
Selling	.	.	.	.	.
Teamwork	.	.	.	.	.
Verbal Communication	.	.	.	.	.
Written Communication	.	.	.	.	.
College	**2014-2015**	**2015-2016**	**2016-2017**	**2017-2018**	**2018-2019**
Computer Science	.	.	85.7	88.9	81.8
Decision Making	.	.	100.0	100.0	100.0
Discipline-Specific Knowledge	.	.	100.0	100.0	100.0
Ethical and Social Responsibility	.	.	100.0	100.0	100.0
Global Diversity	.	.	100.0	100.0	90.9
Information Processing	.	.	100.0	100.0	100.0
Planning	.	.	100.0	100.0	100.0
Problem Solving	.	.	100.0	100.0	100.0
Quantitative Analysis	.	.	100.0	100.0	100.0
Selling	.	.	.	77.8	81.8
Teamwork	.	.	90.0	100.0	100.0
Verbal Communication	.	.	88.9	100.0	100.0
Written Communication	.	.	100.0	100.0	100.0
University	**2014-2015**	**2015-2016**	**2016-2017**	**2017-2018**	**2018-2019**
Computer Science	.	.	88.5	90.5	85.6
Decision Making	.	.	100.0	96.8	95.7
Discipline-Specific Knowledge	.	.	98.6	92.0	94.9
Ethical and Social Responsibility	.	.	98.7	98.4	96.6
Global Diversity	.	.	96.8	89.8	89.0
Information Processing	.	.	100.0	96.0	96.6
Planning	.	.	98.7	97.6	96.6
Problem Solving	.	.	100.0	96.1	96.5
Quantitative Analysis	.	.	94.9	86.5	88.9
Selling	.	.	84.4	82.7	76.3
Teamwork	.	.	98.8	96.9	94.9
Verbal Communication	.	.	97.6	94.4	94.1
Written Communication	.	.	98.5	93.7	93.2

Table 11. Employed in Texas. The Texas Exit Cohort Report published each year by the Texas Higher Education Coordinating Board (THECB) provides the percentage of graduates employed in Texas one year after graduation. The report matches graduates to state employment records one year after graduation. The report does not include students who are self-employed or working outside of Texas. Values are suppressed for metrics with five or fewer graduates.

Employment Rate	2014-2015	2015-2016	2016-2017	2017-2018	2018-2019
Master of Science in Mathematics	.	80.0	.	77.8	.
College of Arts and Sciences - Graduate	81.3	80.0	52.9	62.5	.
University - Graduate	66.1	71.5	61.8	55.5	.

Table 12. Mean Salary. The Texas Exit Cohort Report published each year by the Texas Higher Education Coordinating Board (THECB) provides the mean salaries of graduates employed in Texas one year after graduation. The report matches graduates to state employment records one year after graduation. The report does not include students who are self-employed or working outside of Texas. Values are suppressed for metrics with five or fewer graduates.


Average Annual Salary	2014-2015	2015-2016	2016-2017	2017-2018	2018-2019
Master of Science in Mathematics	.	$45,056	.	$72,464	.
College of Arts and Sciences - Graduate	$36,098	$45,056	$15,443	$51,319	.
University - Graduate	$52,359	$62,626	$53,090	$44,845	.

Table 13. Student Success Rates. Fall-to-fall success rates include the count of students newly enrolling each fall semester and the percentage of those students who enrolled the following fall semesters or graduated from the program. Students who changed majors during their academic careers are excluded from both the numerators and denominators. The student counts include newly enrolled students for the fall of the indicated academic year, where the students do not persist at the university in a different major. Persistence rates lag a year, and missing values are shown for the later years due to pending data. Instances, where students do not persist at the university in a different major and are not enrolled or graduated, are presented as zero.

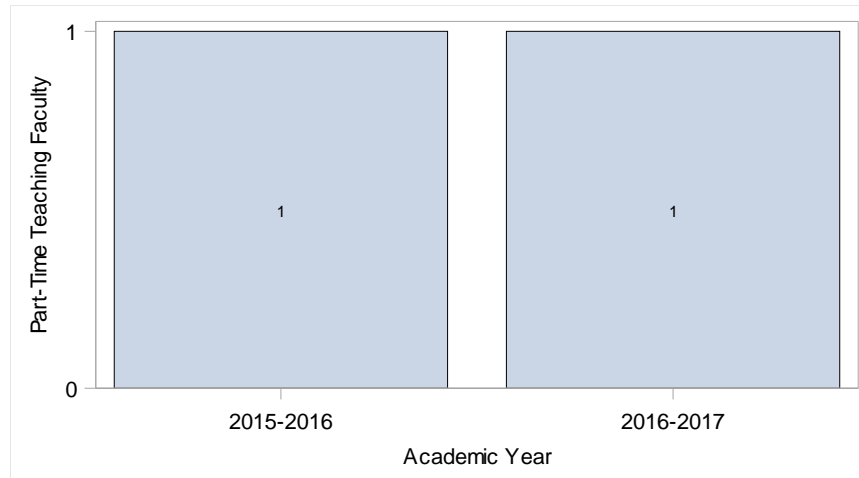| Program	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
Students	2	3	1	1	2
First Year	100	66.7	100	0	0
Second Year	100	66.7	100	0	.
Third Year	100	66.7	100	.	.
Fourth Year	100	66.7	.	.	.
College	**2015-2016**	**2016-2017**	**2017-2018**	**2018-2019**	**2019-2020**
Students	13	20	14	13	14
First Year	69.2	70	57.1	38.5	64.3
Second Year	69.2	45	57.1	23.1	.
Third Year	61.5	35	42.9	.	.
Fourth Year	53.8	40	.	.	.
University	**2015-2016**	**2016-2017**	**2017-2018**	**2018-2019**	**2019-2020**
Students	108	124	85	101	74
First Year	75	68.5	70.6	58.4	67.6
Second Year	71.3	60.5	70.6	52.5	.
Third Year	67.6	58.9	65.9	.	.
Fourth Year	69.4	59.7	.	.	.

Ideally, reviewers would prefer to see counts of faculty teaching students in a given program. However, many faculty teach students in a variety of programs at the university versus a single program. The tables below offer reviewer's counts of faculty available to support the program by providing counts of faculty who taught subjects managed by the same department and at the same level as the evaluated program. Full-time teaching faculty will have taught four undergraduate or three graduate courses during one or more semesters in the academic year. Some full-time faculty perform duties prohibiting them from teaching a full-time course load. Those faculty, while full-time, are counted as part-time teaching faculty. The tables include counts by rank, race/ethnicity, gender, and age.

Table 14. Department Full-Time Teaching Faculty.
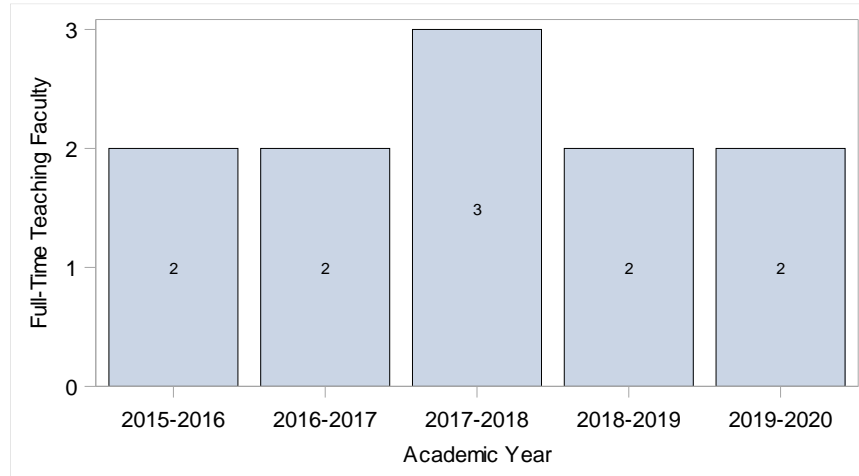
Department Full-Time Teaching Faculty	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
Department of Science and Mathematics	2	2	3	2	2
Assistant Professor	1	1	1	0	0
Associate Professor	1	1	2	2	2
1 Female	0	1	1	1	1
2 Male	2	1	2	1	1
1 White	2	2	3	2	2
C 31 to 40	1	0	0	0	0
D 41 to 50	0	1	2	1	1
E 51 to 60	1	1	0	0	0
F 61 to 65	0	0	1	1	1

Table 15. Department Part-Time Teaching Faculty.

Department Part-Time Teaching Faculty	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
Department of Science and Mathematics	1	1	0	0	0
Assistant Professor	1	1	0	0	0
1 Female	1	0	0	0	0
2 Male	0	1	0	0	0
1 White	1	1	0	0	0
C 31 to 40	1	0	0	0	0
D 41 to 50	0	1	0	0	0

Table 16. Department Teaching Faculty, Teaching Load. Teaching Load, Full- and Part-Time Teaching Faculty – Average sections taught by full-time or part-time teaching faculty in the department and college that the program is administered and for the university at the same level as the program. The measure indicates the instructional load of faculty. It does not account for faculty members with administrative workload credits.
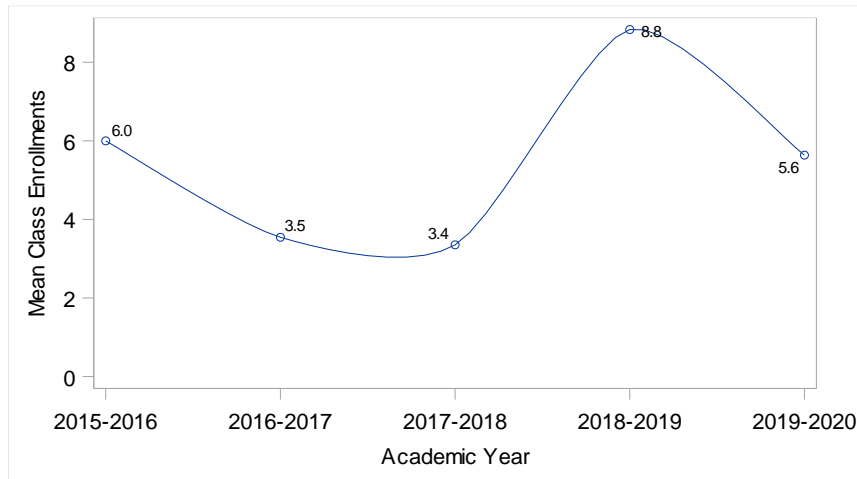
Full-Time, Fall	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
Department of Science and Mathematics	2.0	3.5	2.3	1.0	2.0
College of Arts and Sciences - Graduate	2.0	2.4	2.3	1.4	1.8
University - Graduate	2.6	2.6	2.9	2.6	2.6
Full-Time, Spring	**2015-2016**	**2016-2017**	**2017-2018**	**2018-2019**	**2019-2020**
Department of Science and Mathematics	3.0	2.0	2.5	1.0	2.0
College of Arts and Sciences - Graduate	2.3	2.2	2.4	2.5	2.0
University - Graduate	2.5	2.9	3.1	3.1	2.5
Part-Time, Fall	**2015-2016**	**2016-2017**	**2017-2018**	**2018-2019**	**2019-2020**
Department of Science and Mathematics	1.0	.	.	1.0	.
College of Arts and Sciences - Graduate	1.6	1.5	1.3	1.5	1.3
University - Graduate	1.3	1.5	1.3	1.4	1.4
Part-Time, Spring	**2015-2016**	**2016-2017**	**2017-2018**	**2018-2019**	**2019-2020**
Department of Science and Mathematics	2.0	1.0	1.0	2.0	.
College of Arts and Sciences - Graduate	1.4	1.3	1.3	1.4	1.3
University - Graduate	1.4	1.4	1.4	1.4	1.4

Table 17. Student to Faculty Ratio. The ratio of full-time student equivalents to full-time faculty equivalents for students enrolled in the program, college, and university for courses offered in the fall semesters. The ratios for college and university include both graduate and undergraduate levels. A full-time student equivalent is considered 15 hours for undergraduate and 12 hours for graduate students. A full-time faculty equivalent is considered four undergraduate or three graduate courses taught by a faculty member.
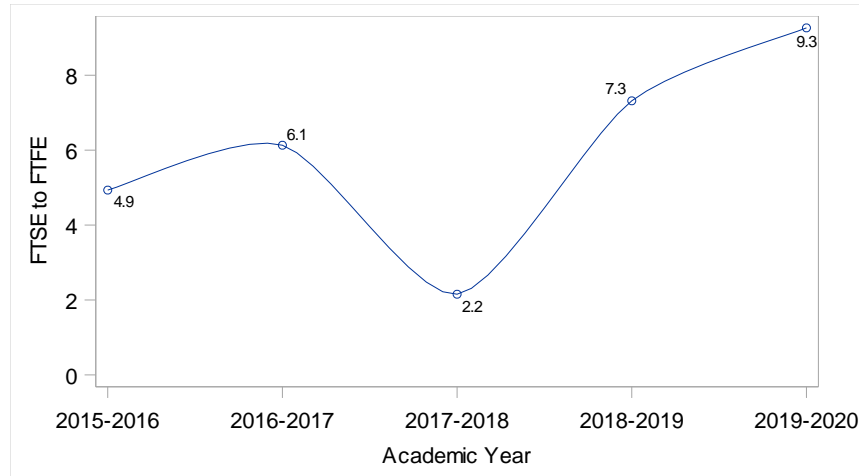
Category	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
Master of Science in Mathematics	4.9	6.1	2.2	7.3	9.3
College of Arts and Sciences	12.3	12.0	13.2	13.4	13.0
University	13.2	13.1	14.9	14.9	14.3

Table 18. Average Class Size. The average section size of courses offered by the department sponsoring the program.

Subject	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
Courses in MATH	6.0	3.5	3.4	8.8	5.6
Department of Science & Mathematics - Graduate	6.0	3.5	3.4	8.8	5.6
College of Arts and Sciences - Graduate	5.7	4.7	4.3	4.2	4.2
University - Graduate	8.1	7.8	8.2	8.2	7.8

Table 19. Section Enrollments by Course. Counts of student course enrollments for students in the program by course. For courses offered by departments other than the department sponsoring the program, the counts are aggregated by subject for concision. The counts do not include hours generated for students attending the course sections who are not enrolled in the program.

Program	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
MATH-3301-Number Theory	1	0	0	0	0
MATH-3306-Differential Equations	1	0	1	0	0
MATH-3309-Algebraic Function	1	0	0	0	0
MATH-3311-Probability & Statistics I	1	0	0	0	0
MATH-3332-Linear Algebra	1	0	0	0	0
MATH-3350-Principles of Bio-Statistics	0	0	1	0	0
MATH-4309-Advanced Analysis I	1	0	1	0	0
MATH-4332-Abstract Algebra	1	0	0	1	0
MATH-4389-Special Topics in Math	0	0	1	0	0
MATH-5198-Thesis	2	10	10	0	0
MATH-5305-Probability & Statistics	13	0	10	0	10
MATH-5308-Abstract Algebra	0	11	0	8	0
MATH-5311-Operations Research	0	3	0	0	6
MATH-5312-Design of Experiments	0	5	0	0	0
MATH-5320-Real Analysis	13	0	6	0	0
MATH-5330-Mathematical Modeling	0	0	4	0	8
MATH-5350-Applied Linear Algebra	0	15	0	9	0
MATH-5360-Numerical Analysis	7	0	0	0	14
MATH-5376-Topics in Secondary Math	9	0	0	0	3
MATH-5378-Technology-Aided Mathematics	0	5	5	3	0
MATH-5380-Selected Topics in Mathematics	32	15	10	24	10
MATH-5389-Advanced Special Problems	5	2	6	0	9
Courses in Business	5	0	0	0	0
Courses in Computer Information Systems	0	0	1	5	2
Courses in Criminal Justice	1	0	0	0	0
Courses in Education	5	5	1	2	2
Courses in English	0	0	0	2	0
Courses in Higher Education Leadership	0	0	0	1	0
Courses in Management	0	0	0	1	0
Courses in Psychology	4	1	0	0	0
Total	103	72	57	56	64