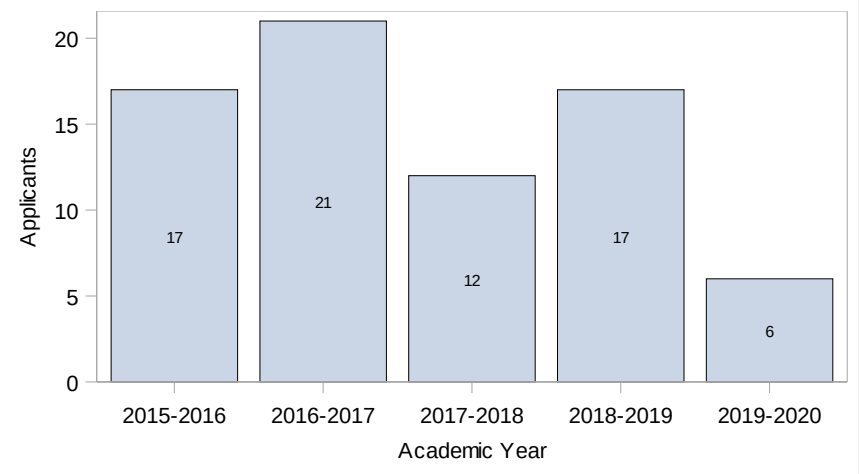
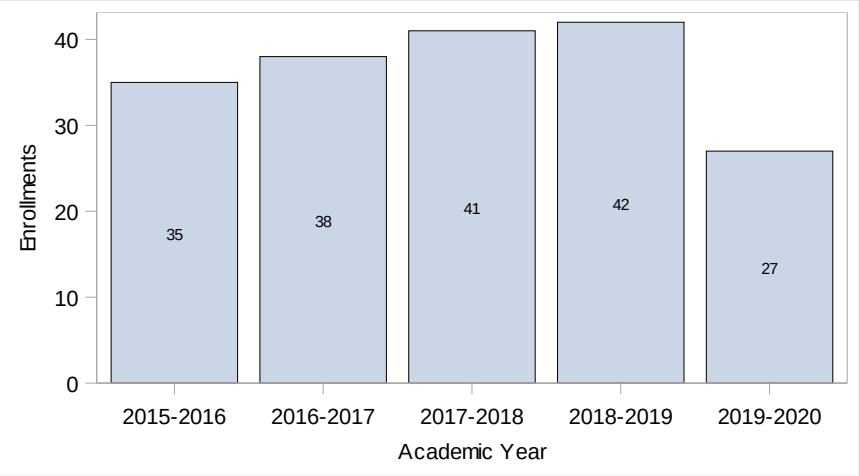
Texas A&M University-Central Texas Program Review Data
Bachelor of Science in Mathematics

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	17	21	12	17	6
Admitted	17	20	12	15	6
Enrolled	12	11	10	11	5
Enrolled after Applying to a Different Program	1	0	0	2	0
College	**2015-2016**	**2016-2017**	**2017-2018**	**2018-2019**	**2019-2020**
Applied	256	381	341	319	375
Admitted	239	351	322	299	344
Enrolled	179	215	185	175	217
University	**2015-2016**	**2016-2017**	**2017-2018**	**2018-2019**	**2019-2020**
Applied	661	956	845	853	950
Admitted	626	900	791	780	885
Enrolled	473	520	459	459	538

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.

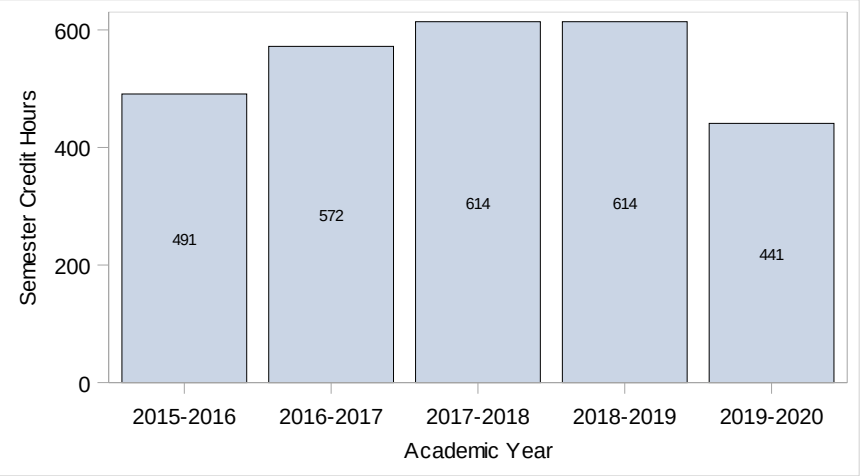


Program	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
Bachelor of Science in Mathematics	35	38	41	42	27
1 Female	17	23	19	20	15
2 Male	18	15	22	22	12
1 White	17	19	21	20	13
2 Hispanic	7	9	7	12	7
3 African American	6	.	8	5	.
4 Other	5	.	5	5	.
1 Freshman	0	1	0	0	0
2 Sophomore	3	1	1	4	2
3 Junior	9	12	8	8	4
4 Senior	22	22	31	28	20
5 Post-Baccalaureate	1	2	1	2	1
Full-Time	13	16	16	13	10
Part-Time	22	22	25	29	17
C 18	.	.	.	.	.
D 19 to 21	5	6	10	7	.
E 22 to 24	5	7	.	10	8
F 25 to 34	9	14	13	13	7
G 35 to 50	14	8	13	10	7
H 51 to 64	.	.	.	.	.
I 65 and Over	.	.	.	.	.

College	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
College of Arts and Sciences - Undergraduate	982	1,058	1,022	987	1,067
1 Female	644	678	645	613	672
2 Male	338	380	377	374	395
1 White	386	440	429	416	436
2 Hispanic	222	222	227	232	254
3 African American	296	317	283	258	292
4 Other	78	79	83	81	85
1 Freshman	4	2	0	0	0
2 Sophomore	89	89	84	98	106
3 Junior	280	303	266	239	287
4 Senior	575	619	633	623	655
5 Post-Baccalaureate	34	45	39	27	19
Full-Time	354	375	363	391	415
Part-Time	628	683	659	596	652
A Under 17	.	.	.	.	.
B 17	.	.	.	.	.
C 18	.	.	.	.	14
D 19 to 21	70	64	80	86	95
E 22 to 24	120	151	152	178	188
F 25 to 34	363	370	354	324	361
G 35 to 50	359	384	339	310	329
H 51 to 64	68	83	88	80	72
I 65 and Over	.	.	6	5	7

University	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
University - Undergraduate	2,645	2,726	2,595	2,535	2,546
1 Female	1,598	1,630	1,519	1,482	1,514
2 Male	1,047	1,096	1,076	1,053	1,032
1 White	1,085	1,125	1,065	1,025	984
2 Hispanic	582	592	605	616	643
3 African American	744	783	723	701	714
4 Other	234	226	202	193	205
1 Freshman	18	11	0	0	0
2 Sophomore	228	237	244	239	274
3 Junior	718	762	682	666	709
4 Senior	1,601	1,619	1,591	1,573	1,510
5 Post-Baccalaureate	80	97	78	57	53
Full-Time	1,006	1,072	1,023	1,063	1,090
Part-Time	1,639	1,654	1,572	1,472	1,456
A Under 17	.	.	.	.	.
B 17	.	.	.	.	.
C 18	.	5	5	9	32
D 19 to 21	175	168	191	222	239
E 22 to 24	338	389	396	423	443
F 25 to 34	1,023	1,032	936	876	880
G 35 to 50	937	942	875	836	781
H 51 to 64	170	185	181	160	157
I 65 and Over	.	5	9	8	12

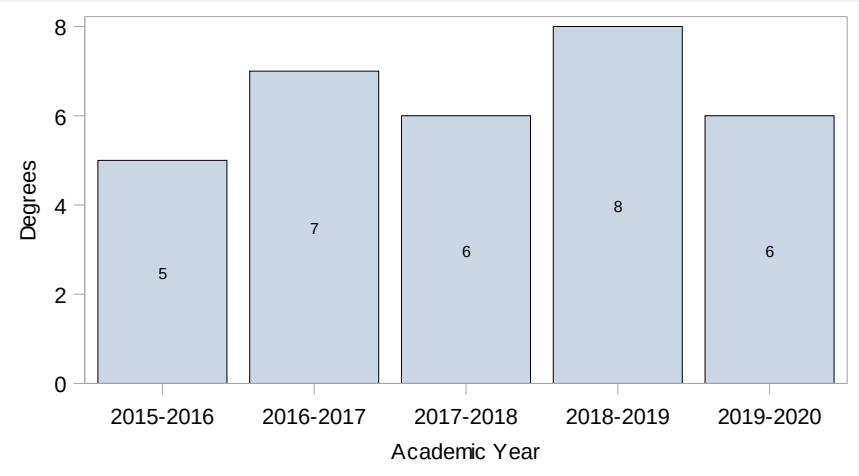
Table 6. Semester Credit Hours. Hours attended by students who declared the program as their major in the year indicated by level, gender, race and ethnicity, and student classification. Hours include all course enrollments by the students in the program, including those taught outside the program's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



Program	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
Bachelor of Science in Mathematics	491	572	614	614	441
1 Female	260	362	317	315	224
2 Male	231	210	297	299	217
1 White	265	316	337	306	218
2 Hispanic	133	88	114	149	122
3 African American	51	87	78	78	55
4 Other	42	81	85	81	46
1 Freshman	0	3	0	0	0
2 Sophomore	30	15	15	21	15
3 Junior	126	153	132	144	88
4 Senior	332	386	455	443	317
5 Post-Baccalaureate	3	15	12	6	21

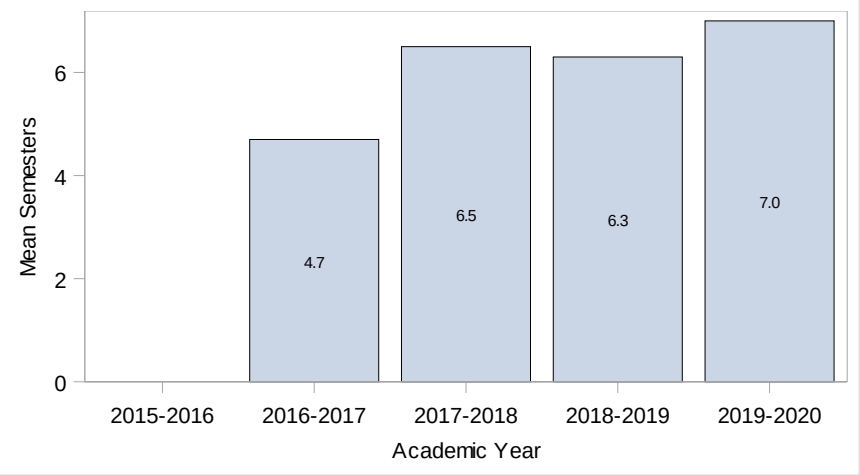
College	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
College of Arts and Sciences - Undergraduate	15,304	15,882	15,948	16,036	16,738
1 Female	10,019	10,331	9,968	10,038	10,591
2 Male	5,285	5,551	5,980	5,998	6,147
1 White	6,252	6,947	6,891	6,898	6,848
2 Hispanic	3,358	3,172	3,423	3,565	4,041
3 African American	4,591	4,553	4,314	4,172	4,506
4 Other	1,103	1,210	1,320	1,401	1,343
1 Freshman	57	48	0	0	0
2 Sophomore	1,346	1,252	1,211	1,336	1,757
3 Junior	4,922	5,159	4,792	4,900	5,181
4 Senior	8,530	8,933	9,540	9,470	9,575
5 Post-Baccalaureate	449	490	405	330	225
University	**2015-2016**	**2016-2017**	**2017-2018**	**2018-2019**	**2019-2020**
University - Undergraduate	42,726	43,626	42,174	42,337	42,102
1 Female	26,206	26,912	25,064	24,432	25,222
2 Male	16,520	16,714	17,110	17,905	16,880
1 White	18,158	18,248	17,441	17,534	16,396
2 Hispanic	9,495	9,314	9,980	9,985	10,646
3 African American	11,541	12,290	11,586	11,487	11,504
4 Other	3,532	3,774	3,167	3,331	3,556
1 Freshman	126	51	6	9	0
2 Sophomore	3,377	3,295	3,611	3,528	4,370
3 Junior	13,497	14,173	13,147	13,583	13,807
4 Senior	24,686	24,895	24,507	24,530	23,342
5 Post-Baccalaureate	1,040	1,212	903	687	583

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



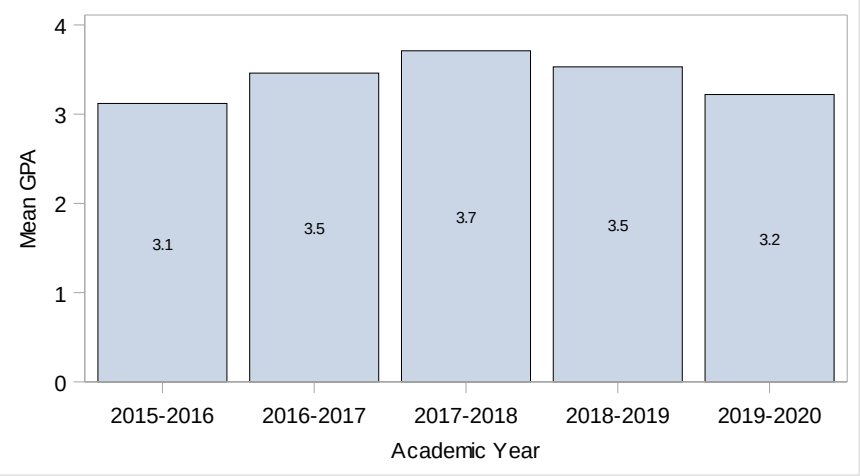
Program	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
Bachelor of Science in Mathematics	5	7	6	8	6
1 Female	3	4	4	4	2
2 Male	2	3	2	4	4
1 White	.	5	.	.	5
2 Hispanic	.	.	.	.	.
3 African American	.	.	.	.	.
4 Other	.	.	.	.	.
College	**2015-2016**	**2016-2017**	**2017-2018**	**2018-2019**	**2019-2020**
College of Arts and Sciences - Undergraduate	223	215	262	210	265
1 Female	165	148	185	135	179
2 Male	58	67	77	75	86
1 White	83	99	115	101	118
2 Hispanic	51	46	49	45	56
3 African American	68	54	75	43	68
4 Other	21	16	23	21	23
University	**2015-2016**	**2016-2017**	**2017-2018**	**2018-2019**	**2019-2020**
University - Undergraduate	583	583	624	604	600
1 Female	375	363	398	359	359
2 Male	208	220	226	245	241
1 White	247	267	255	265	250
2 Hispanic	125	121	142	138	143
3 African American	160	144	170	156	157
4 Other	51	51	57	45	50

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
Bachelor of Science in Mathematics	.	4.7	6.5	6.3	7.0
College of Arts and Sciences - Undergraduate	5.8	5.9	6.1	5.8	6.4
University - Undergraduate	6.3	6.3	6.4	6.3	6.6

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).

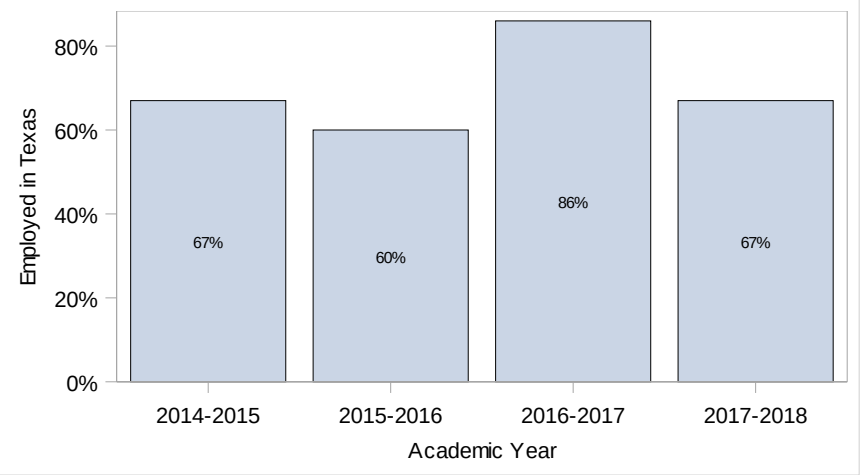


Category	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
Bachelor of Science in Mathematics	3.1	3.5	3.7	3.5	3.2
College of Arts and Sciences - Undergraduate	3.3	3.4	3.4	3.4	3.4
University - Undergraduate	3.4	3.4	3.4	3.4	3.4

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.

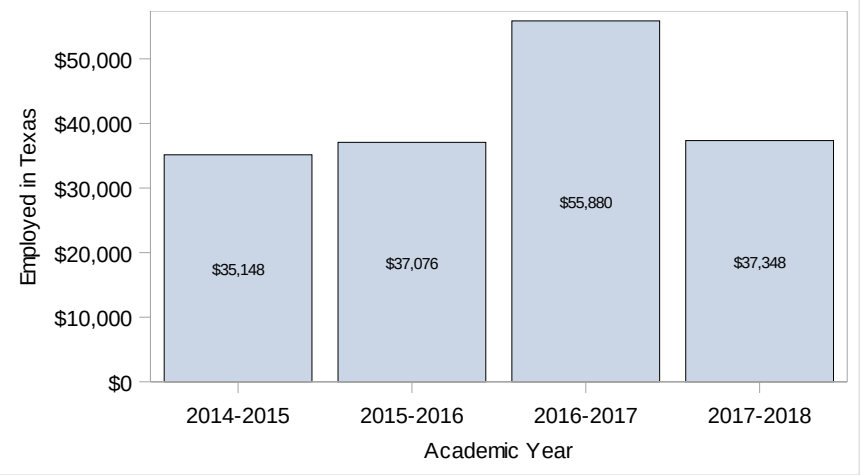
Program	2014-2015	2015-2016	2016-2017	2017-2018	2018-2019
Computer Science	.	.	.	100.0	80.0
Decision Making	.	.	85.7	100.0	100.0
Discipline-Specific Knowledge	.	.	.	100.0	100.0
Ethical and Social Responsibility	.	.	.	100.0	100.0
Global Diversity	.	.	.	100.0	100.0
Information Processing	.	.	.	100.0	100.0
Planning	.	.	100.0	100.0	100.0
Problem Solving	.	.	100.0	100.0	100.0
Quantitative Analysis	.	.	100.0	100.0	100.0
Selling	.	.	.	66.7	60.0
Teamwork	.	.	100.0	100.0	100.0
Verbal Communication	.	.	100.0	100.0	100.0
Written Communication	.	.	.	83.3	80.0
College	**2014-2015**	**2015-2016**	**2016-2017**	**2017-2018**	**2018-2019**
Computer Science	.	.	98.4	83.9	80.3
Decision Making	.	.	95.8	94.3	95.8
Discipline-Specific Knowledge	.	.	93.9	88.6	86.9
Ethical and Social Responsibility	.	.	98.9	94.9	95.9
Global Diversity	.	.	97.0	93.0	93.4
Information Processing	.	.	94.4	93.7	92.6
Planning	.	.	97.8	90.3	91.0
Problem Solving	.	.	99.0	94.9	96.7
Quantitative Analysis	.	.	85.7	74.1	78.7
Selling	.	.	79.1	71.8	72.1
Teamwork	.	.	100.0	91.6	92.6
Verbal Communication	.	.	94.9	90.8	92.6
Written Communication	.	.	95.8	83.4	88.5
University	**2014-2015**	**2015-2016**	**2016-2017**	**2017-2018**	**2018-2019**
Computer Science	.	.	91.7	86.3	86.6
Decision Making	.	.	97.1	94.6	95.0
Discipline-Specific Knowledge	.	.	91.5	89.3	89.8
Ethical and Social Responsibility	.	.	97.0	95.8	96.2
Global Diversity	.	.	92.2	90.9	90.7
Information Processing	.	.	94.2	94.9	94.2
Planning	.	.	96.1	91.7	93.6
Problem Solving	.	.	97.3	95.4	96.2
Quantitative Analysis	.	.	89.1	81.4	84.3
Selling	.	.	80.2	75.7	75.0
Teamwork	.	.	97.3	93.5	93.3
Verbal Communication	.	.	93.7	90.9	93.9
Written Communication	.	.	95.1	85.5	90.4

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
Bachelor of Science in Mathematics	66.7	60.0	85.7	66.7	.
College of Arts and Sciences - Undergraduate	65.3	65.9	58.8	62.2	.
University - Undergraduate	66.7	63.2	55.7	58.5	.

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.



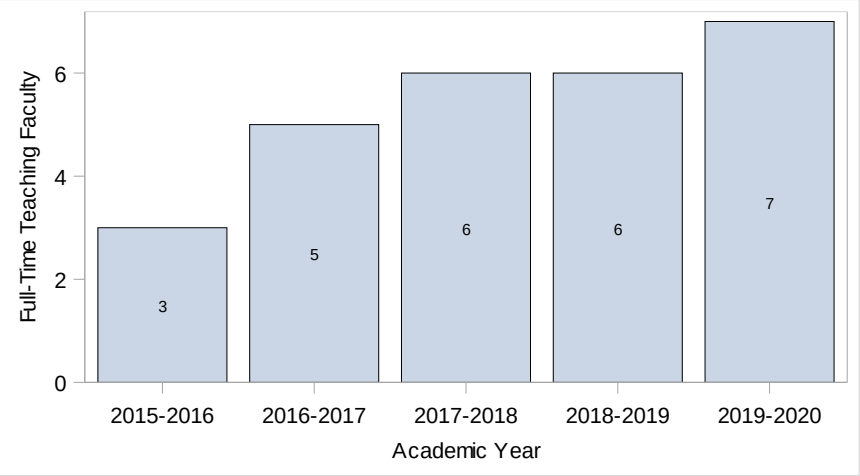
Average Annual Salary	2014-2015	2015-2016	2016-2017	2017-2018	2018-2019
Bachelor of Science in Mathematics	$35,148	$37,076	$55,880	$37,348	.
College of Arts and Sciences - Undergraduate	$30,131	$30,133	$37,632	$32,989	.
University - Undergraduate	$35,609	$35,006	$36,434	$39,463	.

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	12	10	9	7	2
First Year	66.7	70	88.9	71.4	50
Second Year	58.3	60	66.7	71.4	.
Third Year	50	50	66.7	.	.
Fourth Year	50	70	.	.	.
College	**2015-2016**	**2016-2017**	**2017-2018**	**2018-2019**	**2019-2020**
Students	196	222	178	197	236
First Year	67.9	67.6	71.9	76.6	70.3
Second Year	60.7	59.9	65.7	72.6	.
Third Year	59.2	59	60.7	.	.
Fourth Year	59.2	59.9	.	.	.
University	**2015-2016**	**2016-2017**	**2017-2018**	**2018-2019**	**2019-2020**
Students	475	484	433	432	526
First Year	73.1	71.5	73.4	72.9	68.6
Second Year	66.5	64.7	65.4	68.5	.
Third Year	63.8	62.6	62.4	.	.
Fourth Year	62.7	61.6	.	.	.

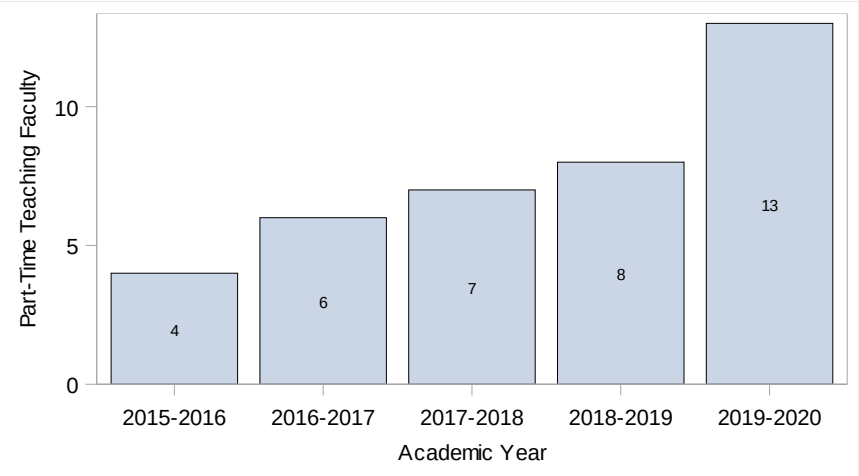
Ideally, reviewers would prefer to see counts of faculty teaching students in a given program. However, many faculty teach students in a variety of programs at the university versus a single program. The tables below offer reviewer's counts of faculty available to support the program by providing counts 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	3	5	6	6	7
Adjunct Faculty	0	0	0	0	1
Assistant Professor	1	2	2	2	2
Associate Lecturer	1	1	1	1	1
Associate Professor	1	2	3	3	3
1 Female	0	3	3	4	5
2 Male	3	2	3	2	2
1 White	3	4	5	4	4
2 Hispanic	0	1	0	1	1
4 Other	0	0	1	1	2
C 31 to 40	1	1	1	2	2
D 41 to 50	0	2	3	2	2
E 51 to 60	1	0	1	0	0
F 61 to 65	1	2	1	2	3

Table 15. Department Part-Time Teaching Faculty.

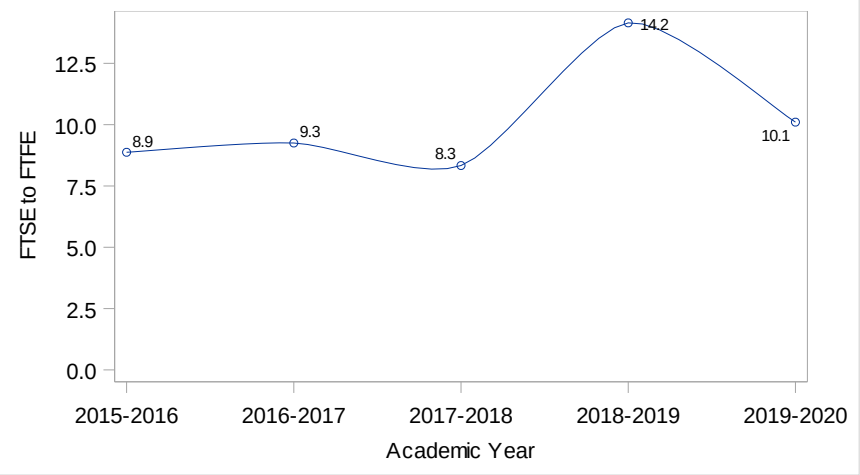


Department Part-Time Teaching Faculty	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
Department of Science and Mathematics	4	6	7	8	13
Adjunct Faculty	0	3	7	8	12
Assistant Lecturer	0	1	0	0	0
Assistant Professor	2	2	0	0	1
Associate Professor	1	0	0	0	0
Graduate Assistant	1	0	0	0	0
1 Female	3	4	3	2	4
2 Male	1	2	4	6	9
1 White	3	4	4	6	6
2 Hispanic	0	0	0	0	1
4 Other	1	2	3	2	6
C 31 to 40	3	3	3	3	6
D 41 to 50	1	2	2	3	4
E 51 to 60	0	1	2	2	1
F 61 to 65	0	0	0	0	1
G Greater Than 65	0	0	0	0	1

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.

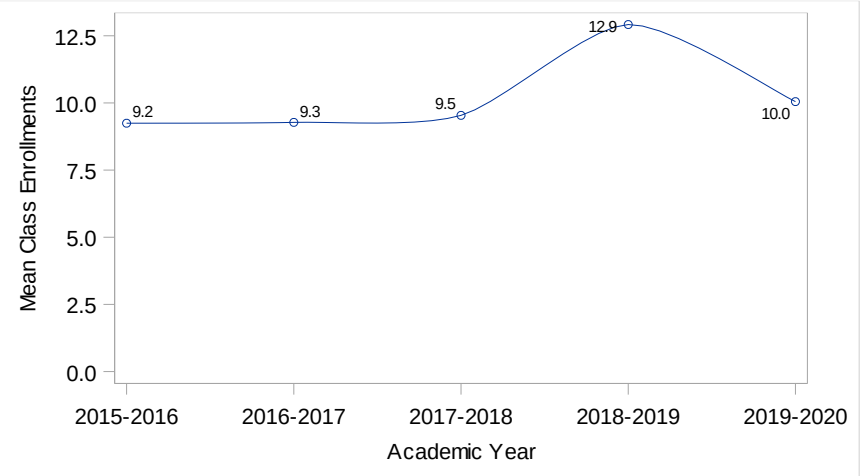
Full-Time, Fall	**2015-2016**	**2016-2017**	**2017-2018**	**2018-2019**	**2019-2020**
Department of Science and Mathematics	3.7	3.0	5.0	4.5	4.3
College of Arts and Sciences - Undergraduate	3.4	2.9	3.9	3.8	3.7
University - Undergraduate	3.3	3.5	3.7	3.3	3.5
Full-Time, Spring	**2015-2016**	**2016-2017**	**2017-2018**	**2018-2019**	**2019-2020**
Department of Science and Mathematics	7.5	4.3	3.7	3.5	2.8
College of Arts and Sciences - Undergraduate	4.4	3.3	3.7	3.0	3.4
University - Undergraduate	3.6	3.2	3.2	3.0	3.4
Part-Time, Fall	**2015-2016**	**2016-2017**	**2017-2018**	**2018-2019**	**2019-2020**
Department of Science and Mathematics	1.5	2.0	1.5	1.5	2.0
College of Arts and Sciences - Undergraduate	1.9	1.8	1.6	1.5	2.0
University - Undergraduate	1.6	1.8	1.8	1.8	2.0
Part-Time, Spring	**2015-2016**	**2016-2017**	**2017-2018**	**2018-2019**	**2019-2020**
Department of Science and Mathematics	2.0	1.5	1.5	1.5	1.5
College of Arts and Sciences - Undergraduate	2.0	1.9	1.9	1.8	1.7
University - Undergraduate	1.9	1.9	1.9	1.9	1.9

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
Bachelor of Science in Mathematics	8.9	9.3	8.3	14.2	10.1
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 AVSC	7.7	9.9	9.4	19.9	14.4
Courses in BIOL	2.4	5.5	6.7	8.5	9.4
Courses in CHEM	1.0	3.0	5.3	6.8	8.0
Courses in ENGT	.	.	.	.	6.5
Courses in MATH	13.4	12.5	14.6	15.3	9.3
Department of Science & Mathematics - Undergraduate	9.2	9.3	9.5	12.9	10.0
College of Arts and Sciences - Undergraduate	14.5	14.6	14.3	14.6	13.4
University - Undergraduate	17.1	17.7	18.2	18.2	16.8

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
BIOL-3315-Advanced Physiology	0	1	0	0	0
BIOL-3452-Principles of Genetics	0	0	1	0	0
BIOL-4346-Animal Behavior	0	1	1	0	0
BIOL-4373-Immunology	0	0	0	0	1
CHEM-4430-Biochemistry I	0	0	1	0	0
MATH-3301-Number Theory	6	16	12	17	7
MATH-3303-Concepts of Elementary Math I	0	0	2	0	0
MATH-3306-Differential Equations	6	13	19	0	0
MATH-3309-Algebraic Function	14	12	10	12	9
MATH-3310-Discrete Mathematics	12	10	14	10	8
MATH-3311-Probability & Statistics I	13	13	10	9	5
MATH-3315-Mathematics & Technology	0	0	0	15	7
MATH-3332-Linear Algebra	13	10	15	7	5
MATH-3350-Principles of Bio-Statistics	2	2	7	13	5
MATH-3360-Numerical Analysis I	0	10	5	8	7
MATH-3370-An Introduction to Linear Programming	0	10	16	13	8
MATH-4302-College Geometry	10	4	16	8	6
MATH-4304-Survey of Mathematical Ideas	6	3	4	4	5
MATH-4304L-Survey of Mathematical Ideas Lab	0	0	3	3	5
MATH-4305-Concepts of Elem Math III	3	0	0	0	0
MATH-4309-Advanced Analysis I	7	15	7	13	7
MATH-4332-Abstract Algebra	3	11	11	9	10
MATH-4380-Undergraduate Research Project	0	0	0	5	0
MATH-4389-Special Topics in Math	0	1	2	0	0
MATH-4488-Mathematic Problems	1	0	0	0	2
MATH-5308-Abstract Algebra	0	0	0	1	0
MATH-5311-Operations Research	0	1	0	0	0
MATH-5312-Design of Experiments	0	1	0	0	0
MATH-5376-Topics in Secondary Math	0	0	0	0	1
MATH-5378-Technology-Aided Mathematics	0	0	0	1	0
MATH-5380-Selected Topics in Mathematics	0	0	0	1	0
Courses in Accounting	1	2	0	2	0
Courses in Anthropology	1	0	0	0	0
Courses in Business	8	6	4	6	8
Courses in Computer Information Systems	9	13	14	19	11
Courses in Computer Science	7	3	10	3	4
Courses in Criminal Justice	2	1	0	0	0
Courses in Economics	0	0	1	0	1
Courses in Education	22	18	12	9	6
Courses in English	9	6	2	4	7

Program	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
Courses in Finance	2	1	2	3	4
Courses in Fine Arts	1	0	0	1	0
Courses in History	2	1	0	0	0
Courses in Management	1	1	1	0	2
Courses in Military Science	0	2	0	0	0
Courses in Music	0	0	0	2	4
Courses in Music Ensemble	0	0	0	2	2
Courses in Music-Applied	0	0	0	2	2
Courses in Psychology	4	0	2	2	1
Courses in Reading	5	0	2	2	1
Courses in Religious Studies	0	1	0	0	0
Courses in Social Work	0	1	0	0	0
Courses in Sociology	0	2	0	0	1
Courses in Special Education	0	4	0	2	1
Total	170	196	206	208	153