

Mathematical Sciences

Department of Mathematical Sciences

Introduction

Unit Mission:

The Department of Mathematical Sciences (DMS) supports the mission of McNeese State University by offering quality programs of study in the mathematical sciences and secondary mathematics education for degree and non-degree students. These programs include college-level courses for majors, college-level service courses for non-majors, and special courses by which professionals may update their knowledge in various areas of the mathematical sciences. The department fosters programs in cooperation with area agencies to upgrade the quality of mathematics education in the region. The department also promotes and encourages scholarly activities and community and University service from all DMS faculty.

Institutional Mission Reference:

The DMS supports the institutional mission of offering curricula distinguished by academic excellence. We offer a baccalaureate degree in mathematical sciences with concentrations in mathematics, mathematics education, physics education, statistics, and physics. We also offer a master's degree in mathematical sciences, with concentrations in mathematics, computer science, and statistics.

Performance Objective 1 Ensure viable levels of student enrollment, retention, and completion appropriate to institutional resources and goals.

1 Assessment and Benchmark

Benchmark: Track undergraduate student completers and enrollment at each level. Maintain or exceed 2012-2013 levels of declared majors/concentrations:

- MATH - BS Mathematics (inactive effective 201140)
- MSCI - BS Mathematical Sciences (effective 201140)
 - MATH - Mathematics
 - MPHY - Mathematical Physics
 - MTED - Mathematics Education Grades 6-12
 - PYED - Physics Education Grades 6-12 (effective 201540)
 - STAT - Statistics
- MTED - BS Mathematics Education Grades 6-12 (inactive effective 201140)

1.1 Data

2013-2014:

Major	Conc.	Summer						Fall						Spring						
		F	S	J	Sr	T	CMP	F	S	J	Sr	T	CMP	F	S	J	Sr	T	CMP	
MATH	(blank)	0	0	1	1	2	0	0	0	1	0	1	0	0	0	0	0	0	0	0
MSCI	MATH	1	0	0	3	4	0	1	2	5	5	13	0	1	1	6	9	17	3	
	MPHY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	MTED	0	1	3	1	5	0	6	7	6	6	25	1	6	7	7	7	27	3	
	STAT	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	3	0	
	(blank)	0	1	0	0	1	0	0	0	0	2	2	0	0	0	0	2	2	0	
	Total	1	2	4	5	12	0	7	9	12	13	41	1	8	8	14	19	49	6	
MTED	(blank)	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	
Grand Total		1	3	5	6	15	0	7	9	13	13	42	1	8	8	14	19	49	6	

2014-2015:

Major	Conc.	Summer						Fall						Spring					
		F	S	J	Sr	T	CMP	F	S	J	Sr	T	CMP	F	S	J	Sr	T	CMP
MSCI	MATH	1	0	2	4	7	1	1	0	3	9	13	2	0	1	2	8	11	10
	MPHY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	MTED	0	0	2	3	5	0	6	7	6	8	27	1	8	7	7	4	26	2
	STAT	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0	2	3	1
	(blank)	0	0	0	1	1	0	4	0	0	2	6	0	0	0	0	3	3	0
Grand Total		1	0	4	8	13	1	11	7	9	20	47	3	9	8	9	17	43	13

2015-2016:

Major	Conc.	Summer						Fall						Spring					
		F	S	J	Sr	T	CMP	F	S	J	Sr	T	CMP	F	S	J	Sr	T	CMP
MSCI	MATH	1	0	1	2	4	0	1	1	1	4	7	2	1	3	1	3	8	4
	MPHY	0	0	0	0	0	0	3	0	0	0	3	0	2	0	0	0	2	0
	MTED	1	2	0	5	8	0	9	8	2	8	27	0	7	9	1	7	24	2
	PYED	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	STAT	0	0	0	0	0	0	2	0	0	1	3	0	1	2	0	1	4	1

	(blank)	0	0	0	0	0	0	1	1	1	2	5	0	0	0	1	3	4	0
Grand Total		2	2	1	7	12	0	16	10	4	15	45	2	11	14	3	14	42	7

2016-2017:

Major	Conc.	Summer						Fall						Spring					
		F	S	J	Sr	T	CMP	F	S	J	Sr	T	CMP	F	S	J	Sr	T	CMP
MSCI	MATH	0	0	0	3	3	0	1	3	2	4	10	4	2	1	5	3	11	4
	MPHY	2	0	0	0	2	0	4	1	0	0	5	1	0	4	0	0	4	0
	MTED	0	3	1	0	4	0	8	10	5	6	29	1	2	5	7	3	17	2
	PYED	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	1	0
	STAT	0	1	0	0	1	0	0	0	1	0	1	0	0	1	1	0	2	0
	(blank)	1	0	0	0	1	0	0	2	0	0	2	0	0	1	1	0	2	0
Grand Total		3	4	1	3	11	0	14	16	8	10	48	6	5	12	14	6	37	6

2017-2018:

Major	Conc.	Summer						Fall						Spring					
		F	S	J	Sr	T	CMP	F	S	J	Sr	T	CMP	F	S	J	Sr	T	CMP
MSCI	MATH	1	0	3	1	5	0	1	3	6	4	14	2	0	2	4	11	17	2
	MPHY	0	0	0	0	0	0	1	3	1	2	7	0	0	1	2	2	5	1
	MTED	0	2	4	1	7	0	2	3	4	5	14	1	5	2	3	6	16	0
	PYED	1	0	0	0	1	0	0	1	0	0	1	0	0	1	0	0	1	0
	STAT	0	0	0	0	0	0	0	0	1	2	3	0	0	0	1	1	2	0
	(blank)	1	0	1	0	2	0	1	0	1	3	5	0	0	0	0	0	0	0
Grand Total		3	2	8	2	15	0	5	13	10	16	44	3	5	6	10	20	41	3

1.1.1 Analysis of Data and Plan for Continuous Improvement

2016-2017:

The number of students with concentrations in MTED is up by one. Faculty are encouraged by this, considering the challenging environment that area educators are facing. Faculty will continue to monitor these numbers. Two faculty members will conduct a workshop on advising and retention for the other DMS faculty members.

2017-2018:

The number for the MATH concentration is up, while the number for the MTED concentration is down. Some students are switching from MTED to MATH. For fall 2017 to spring 2018, the MTED number has improved a bit. By increasing the number of faculty involved in recruiting we hope to improve the MTED number a bit more. We will be coordinating with the Department of Education Professions in their new recruitment effort.

Following up on the observations made by Jessica Hutchings regarding enrollment in the various concentrations, we have assigned a new advisor to work specifically with students in the statistics concentration in order to strengthen enrollment in this concentration. We are also coordinating with Dwight Bertrand who is leading recruitment efforts in STEM disciplines in the College of Science and Agriculture.

2 Assessment and Benchmark

Benchmark: Track graduate student enrollment in each concentration. Maintain or exceed previous year's enrollment numbers of declared majors.

- MSCI - MS Mathematical Sciences
 - CSCI - Computer Science
 - MATH - Mathematics
 - STAT - Statistics

2.1 Data

Graduate Enrollment:

Major	Conc.	2013-2014			2014-2015			2015-2016			2016-2017			2017-2018		
		U	F	S	U	F	S	U	F	S	U	F	S	U	F	S
MSCI	CSCI	3	12	0	8	19	17	8	13	6	0	0	1	1	2	2
	MATH	2	11	9	6	7	7	5	6	9	8	11	10	7	13	9
	STAT	0	2	4	1	2	1	0	2	1	1	2	2	1	2	2
Total		5	25	13	15	28	25	13	21	16	9	13	13	9	17	13

Graduate Completers:

Major	Conc.	2013-2014			2014-2015			2015-2016			2016-2017			2017-2018		
		U	F	S	U	F	S	U	F	S	U	F	S	U	F	S
MSCI	CSCI	0	0	0	0	3	3	0	6	6	0	0	0	0	0	0
	MATH	0	0	0	2	2	1	0	0	3	1	1	1	1	4	2
	STAT	0	0	0	0	1	0	0	1	0	0	0	0	0	0	2
Total		0	0	0	2	6	4	0	7	9	1	1	1	1	4	4

2.1.1 Analysis of Data and Plan for Continuous Improvement

2015-2016:

During the 2015-2016 academic year, enrollment remains steady in the mathematics and statistics concentrations. Faculty notice that enrollment is down in our computer science concentration.

2016-2017:

Roughly half of our graduate students are high school teachers who are not able to attend day classes. DMS continues to accommodate them by offering many graduate courses in the evening hours. We also try to offer graduate courses during the summer, which many of our students appreciate.

2017-2018:

The improvement in numbers can be partly explained by our efforts to provide courses in the evenings and the summer. This has been successful in attracting part-time students to our program.

Following up on the observations made by Jessica Hutchings regarding enrollment in the various concentrations, we have assigned a new advisor to work specifically with students in the statistics concentration in order to strengthen enrollment in this concentration. To strengthen enrollment and completion in CSCI, coordination with EECS will be necessary in order to provide additional 600-level CSCI electives. Increased demand for lower level CSCI courses has made it difficult for EECS to continue to offer these electives.

3 Assessment and Benchmark

Benchmark: Maintain or exceed 2013-2014 levels of retention.

- MATH - BS Mathematics
- MSCI (BS) - BS Mathematical Sciences
- MSCI (MS) - MS Mathematical Sciences

3.1 Data

Fall 2013-Fall 2014:

Major	# of retained students	Retention rate
MATH	0	0.00%
MSCI (BS)	26	70.27%
MSCI (MS)	12	100.00%

Total	Changed														
	Total														

4.1.1 Analysis of Data and Plan for Continuous Improvement

Performance Objective 2 Provide a comprehensive curriculum that reflects disciplinary foundations and remains responsive to contemporary developments, student and workforce demand, and university needs and aspirations.

1 Assessment and Benchmark

Benchmark: The BS in Mathematical Sciences program faculty meet once per academic year to review student progress, curricular offerings, and appropriate professional contacts and opportunities.

1.1 Data

2016-2017:

Two full faculty meetings and several meetings of subgroups of faculty were held.

2017-2018:

One full faculty meeting was held, along with numerous meetings of smaller subgroups of faculty.

1.1.1 Analysis of Data and Plan for Continuous Improvement

2016-2017:

Faculty discussed adding new courses to curriculum. A history of mathematics course was added to the curriculum.

2017-2018:

Faculty discussed curriculum changes. We are considering adding a minor in applied statistics and adding a concentration in computer science. Faculty also discussed changes to the Mathematics Education concentration in response to the new state requirements.

2 Assessment and Benchmark

Benchmark: The MS in Mathematical Sciences program faculty will meet once per academic year to review student progress, curricular offerings, and appropriate professional contacts and opportunities.

2.1 Data

2016-2017:

Faculty held one graduate faculty meeting to discuss the program. Subgroups of faculty met throughout the semester to discuss individual topics as needed.

2017-2018:

One full faculty meeting was held, along with numerous meeting of smaller subgroups of faculty.

2.1.1 Analysis of Data and Plan for Continuous Improvement

2016-2017:

Faculty discussed the use of the thesis option by graduate students and the impact that it has on our ability to populate graduate courses.

2017-2018:

Faculty discussed curriculum changes. The department is considering adding a graduate-level biostatistics course. Update: In subsequent informal meetings, a firm decision was made to add the course mentioned above. This decision was made in response to a request from the biology department. They wish to use this course in their new graduate program. Other discussion in small group meetings has centered on finding ways to meet the needs of students in the statistics concentration. It is often difficult to populate the upper level/graduate applied statistics courses. To address this, faculty are proposing an applied statistics minor which will include cross-listed courses that serve both undergraduates and graduate students. The addition of students seeking the applied statistics minor should help to populate courses needed by our graduate students. Small group meetings were also held to track MSCI majors' progress and anticipate the need for course offerings.

Performance Objective 3 Graduates will find employment in mathematical science careers or further their education in the mathematical sciences.

1 Assessment and Benchmark

Benchmark: 80% of graduates of the BS in Mathematical Sciences will find employment in mathematical science careers or further their education in the mathematical sciences within two years of graduation.

1.1 Data

2016-2017:

Of the 72 graduates from spring 2011 through spring 2017, there are 60 whose employment status is known. Of these 60 graduates, 53 have found employment in mathematical sciences careers or have furthered their education in the mathematical sciences within two years of graduation. This is approximately 88% of graduates for whom employment status is known.

2017-2018:

Of the 78 graduates from spring 2011 through spring 2018, there are 65 whose employment status is known. Of these 65 graduates, 58 have found employment in mathematical sciences careers or have furthered their education in the mathematical sciences within two years of graduation. This is approximately 89% of graduates for whom employment status is known.

1.1.1 Analysis of Data and Plan for Continuous Improvement

2016-2017:

Faculty are satisfied with the results for this objective. Faculty are particularly pleased to have helped the local schools by providing them qualified mathematics teachers. Faculty continue to discuss ways of improving the tracking of our graduates.

2017-2018:

The department's efforts to update our records of the status of graduates (their employment or further studies) in a more timely manner have been mostly successful.

We will break down our data by cohort beginning next year. We have consistently exceeded our benchmark. In particular, our students have great success finding teaching positions regardless of their concentration.

2 Assessment and Benchmark

Benchmark: 80% of graduates of the MS and Mathematical Sciences program will find employment in mathematical science careers or further their education in the mathematical sciences within two years of graduation.

2.1 Data

2016-2017:

From spring 2011 to present, the program has graduated 74 students. 32/33 students whose status after graduation is known are working in a field related to the mathematical sciences or went on to continue their studies with further graduate coursework.

2017-2018:

From spring 2011 to present, the program has graduated 82 students. 39/41 (95%) of students whose status after graduation is known are working in a field related to the mathematical sciences or went on to continue their studies with further graduate coursework.

This year the department has information for all of our graduates. Seven of the eight have found teaching positions, two at the college level and five at the secondary level.

2.1.1 Analysis of Data and Plan for Continuous Improvement

2016-2017:

Faculty began collecting contact information from graduates as they completed their comprehensive exams. Collection of data will continue and faculty plan to contact students two years after their graduation to collect information for this assessment item. Until that time, faculty will continue to try to collect information from as many students as possible.

2017-2018:

We will break down our data by cohort beginning next year. We have consistently exceeded our benchmark.

Performance Objective 4 Engage in collaborative ventures and campus and community activities that

enhance economic development, cultural and artistic growth, and or educational experiences for the SWLA region and beyond.

1 Assessment and Benchmark

Benchmark: 50% of faculty will serve as academic advisors.

1.1 Data

Academic Year	Faculty members that served as faculty advisors	
	#	%
2013-2014	-	60%
2014-2015	-	56%
2015-2016	-	50%
2016-2017	-	53%
2017-2018	-	57%
2018-2019		

1.1.1 Analysis of Data and Plan for Continuous Improvement

2016-2017:

Advising assignments will be adjusted due to loss of faculty.

2017-2018:

The department will appoint additional faculty members as advisors, specifically to advise students in the statistics concentration in order to help recruit and retain students in this concentration.

2 Assessment and Benchmark

Benchmark: 40% of faculty will serve on college or University committees.

Prior to 2016-2017, the benchmark was 20% of faculty members.

2.1 Data

Academic Year	Faculty members that served on college or University committees	
	#	%
2013-2014	-	50%
2014-2015	-	50%
2015-2016	-	50%
2016-2017	-	53%
2017-2018	-	57%
2018-2019		

2.1.1 Analysis of Data and Plan for Continuous Improvement

2016-2017:

The DMS has encouraged faculty members to participate in college/University committee work as opportunities have arisen.

2017-2018:

There are more opportunities for instructors to serve on college and University committees now that we have fewer PhD faculty. We will raise our benchmark to 50% for 2018-2019.

3 Assessment and Benchmark

Benchmark: At least two meetings per semester of the local student chapter of the Mathematical Association of America

(MAA) will be held.

Prior to 2016-2017, the benchmark was for monthly meetings, however, this was revised to two per semester.

3.1 Data

2016-2017:

At least two meetings per semester of the local student chapter of the MAA were held.

2017-2018:

At least two meetings per semester of the local student chapter of the MAA were held.

3.1.1 Analysis of Data and Plan for Continuous Improvement

2016-2017:

Faculty advisors plan to better track student attendance at the meetings.

2017-2018:

Information on student attendees at the local MAA meetings was recorded. This information was used to recruit students for volunteering at MathCounts, AMC, etc., as well as the student team competition and integration bee at the MAA section meeting.

4 Assessment and Benchmark

Benchmark: Student teams will participate in an MAA mathematics team competition in the spring in conjunction with the annual section meeting of the MAA. Individual students will compete in the annual integration bee held at the same meeting.

4.1 Data

Academic Year	# of math students that attended the MAA meeting	# of students that competed in the integration bee	# of students that competed in the team competition	# of students giving talks
2013-2014	8	4	NA	NA
2014-2015	8	5	5	3
2015-2016	8	3	4	3
2016-2017	9	5	5	3
2017-2018	10	7	8	0

4.1.1 Analysis of Data and Plan for Continuous Improvement

2016-2017:

Faculty are very pleased by the 2017 results:

- Phat Ngo took third place in the integration bee.
- One of our student teams took third place in the team competition.
- Steven Dabelow took 2nd place in the grad student paper competition.

2017-2018:

Faculty are once again pleased with the results of both the integration bee (a top 10 of 45) and the student team competition (one team in the top three).

5 Assessment and Benchmark

Benchmark: The Department will organize volunteers to help at the McNeese annual Literary Rally; MathCounts, a national middle school mathematics competition; and the American Mathematics Competition, a high school mathematics competition. These events provide recruiting opportunities.

5.1 Data

2016-2017:

The Department organized volunteers to help at the McNeese annual Literary Rally, for MathCounts, a national middle school mathematics competition, and for the American Mathematics Competition, a high school mathematics competition. For the AMC, there were 37 high school student participants in 2015 and 74 participants in 2016.

2017-2018:

For MathCounts the department provided eight faculty and one student volunteer. There were nine faculty volunteers for the Literary Rally and 10 faculty volunteers for the AMC.

5.1.1 Analysis of Data and Plan for Continuous Improvement

2016-2017:

Efforts to recruit our own student volunteers to help with these competitions were difficult this year as all three events (MAA section meeting, MathCounts, and AMC) all took place on the same day. DMS faculty discussion of ways of increasing participation in the American Mathematics Competition lead to an increase in the number of participants.

2017-2018:

The department is pleased with the strong turnout of faculty volunteers in all of the events mentioned for this benchmark.

6 Assessment and Benchmark

Benchmark: 40% of faculty will be involved in recruiting students.

Prior to 2016-2017, the benchmark was 25% of faculty members.

6.1 Data

Academic Year	Faculty members involved in recruiting students	
	#	%
2013-2014	-	50%
2014-2015	-	62%
2015-2016	-	50%
2016-2017	-	40%
2017-2018	-	29%
2018-2019		

6.1.1 Analysis of Data and Plan for Continuous Improvement

2016-2017:

Departmental tours on career opportunities in mathematics were made available during Fall/Spring Preview Days.

2017-2018:

The benchmark was not met. Efforts will be made to increase faculty involvement in recruiting. We will coordinate with Dwight Bertrand to implement the College of Science and Agriculture recruiting project as well as the DEP Geaux Teach project.

Performance Objective 5 Demonstrate excellence in teaching in order to enhance student recruitment, retention, and graduation.

1 Assessment and Benchmark

Benchmark: The department will achieve an average score of at least 80% on the student evaluations of instruction (SEIs).

Prior to 2016-2017, the benchmark was 70%.

1.1 Data

Academic Year	Average score
2013-2014	90.84%
2014-2015	91.00%
2015-2016	90.02%
2016-2017	90.00%
2017-2018	91.00%

1.1.1 Analysis of Data and Plan for Continuous Improvement

2016-2017:

The benchmark was raised to Student Evaluation of Instruction (SEI) average will be at least 80% in light of historical data.

2017-2018:

The SEI benchmark will be raised to 90% starting next year.

2 Assessment and Benchmark

Benchmark: Major Field Test (MFT) scores will be in at least the 50th percentile. At least 80% of graduates in math education pass the Praxis II content exam on the first attempt.

2.1 Data

Academic Year	# of students taking the MFT	Range of scores	Mean score	Median score	National mean score	National median score
2013-2014	NA	136-154	146.0	148.0	156.4	151.0
2014-2015	14	133-167	149.0	148.0	155.0	154.0
2015-2016	6	126-158	142.0	140.5	156.3	154.0
2016-2017	6	133-161	146.2	145.0	156.3	154.0
2017-2018	4	147-200	177.5	181.5	156.3	154.0

Academic Year	% of program completers that passed PRAXIS II content exam (5161) on 1st attempt	% of program completers that passed PRAXIS II content exam (5161)	# of completers
2013-2014	100%	100%	
2014-2015	67%	100%	
2015-2016	0	100%	
2016-2017	100%	100%	
2017-2018	0	100%	1

2.1.1 Analysis of Data and Plan for Continuous Improvement

2016-2017:

Review sessions for the MFT were provided. Program faculty will continue to provide guidance in preparing for the PRAXIS II exam and will encourage students to take advantage of opportunities to tutor lower division courses. Students who have successfully passed the new Praxis II exam will organize study sessions for those students who are preparing to take the exam.

2017-2018:

The benchmark was met this year for the MFT. The department is very pleased with the performance of graduating seniors on the MFT this year. Three of the four achieved 86th, 92nd, and 96th percentile scores. This is our best performance in at least the last twenty years.

3 Assessment and Benchmark

Benchmark: Graduating seniors in the Mathematical Sciences will rate the quality of their academic experience in the DMS at 3.00 or greater on a 4-point scale on the departmental exit survey.

3.1 Data

Academic Year	Graduating seniors' quality of academic experience rating
2013-2014	3.80/4
2014-2015	3.80/4
2015-2016	3.40/4
2016-2017	3.30/4

2017-2018	4.00/4
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3.1.1 Analysis of Data and Plan for Continuous Improvement

2016-2017:

Faculty will review student comments to better understand their view of their experience. Continue to encourage math students to staff the learning center, so as to better their experience.

2017-2018:

Although numerical data is not available for this item this year, we had the opportunity to speak with several of our graduates about their academic experience. As a result, the department is exploring ways to better prepare students who are going on to work on PhDs in mathematics.

Update: Since our last submission, we were able to locate the data needed for this item. Our results showed improvement.

4 Assessment and Benchmark

Benchmark: At least 50% of College Algebra students participating in the Developmental Education/Co-requisite Delivery Pilot will achieve a passing grade in both MATH 113P and MATH 110P.

4.1 Data

Academic Year	Students who passed 113P and 110P	
	#	%
2013-2014	N/A	44%
2014-2015	89/182	49%
2015-2016	102/187	55%
2016-2017	76/123	62%
2018-2019	117/183	64%

4.1.1 Analysis of Data and Plan for Continuous Improvement

2015-2016:

A new attendance policy was implemented last year. Attendance improved in the fall of 2015. Five sections of MATH 110 have been scheduled for fall 2016.

2016-2017:

A diagnostic test will again be administered to all MATH 110 students at the beginning of the semester to help instructors create individualized instruction.

2017-2018:

Based on the greater level of success achieved last year, the benchmark will be raised to 60% for next year.

Performance Objective 6 Demonstrate commitment to research and creative and scholarly activity.

1 Assessment and Benchmark

Benchmark: At least 25% of faculty members who hold doctorate degrees will be involved in publication or presentations.

1.1 Data

Academic Year	Faculty members that are involved in publication or presentations	
	#	%
2013-2014	-	30%
2014-2015	-	57%
2015-2016	-	43%

2016-2017	-	33%
2017-2018	-	43%
2018-2019		

1.1.1 Analysis of Data and Plan for Continuous Improvement

2016-2017:

The DMS continues to generate funds to support scholarly activity in the form of travel money. The DMS had six faculty members receive endowed professorships in 2016-2017.

2017-2018:

For next year, the DMS is considering including all faculty in the above data instead of just doctorates since over half of our faculty are at the rank of instructor.

2 Assessment and Benchmark

Benchmark: At least 40% of faculty members will be involved in individual or directed research.

2.1 Data

Academic Year	Faculty members that are involved in individual or directed research	
	#	%
2013-2014	-	38%
2014-2015	-	44%
2015-2016	-	44%
2016-2017	-	40%
2017-2018	-	50%
2018-2019		

2.1.1 Analysis of Data and Plan for Continuous Improvement

2016-2017:

Encouragement from DMS faculty of directed research projects has resulted in four student conference presentations. Faculty are pleased and will encourage more directed research, which should result in more conference presentations.

2017-2018:

A greater number of faculty at the rank of instructor were involved in directed and individual research this year. The benchmark will be raised to 50% for 2018-2019.

3 Assessment and Benchmark

Benchmark: At least 40% of faculty will attend at least one professional meeting.

Prior to 2016-2017, the benchmark was 30% of faculty.

3.1 Data

Academic Year	Faculty members that attended at least one professional meeting	
	#	%
2013-2014	-	63%
2014-2015	-	56%
2015-2016	-	56%
2016-2017	-	53%
2017-2018	-	86%

2018-2019		
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3.1.1 Analysis of Data and Plan for Continuous Improvement

2016-2017:

The location of the professional meetings and the availability of funds will impact the success of this benchmark.

2017-2018:

This year the MAA section meeting was held in nearby Lafayette, Louisiana. This explains the relatively high number of 86%. The benchmark will be raised to 50% for 2018-2019.