

Written communication - content knowledge **NOT MET**

Students must demonstrate mastery in at least 3 areas by the time they graduate.

MEASURES	RESULTS	ACTIONS
content knowledge - algebra Direct - Portfolio <i>Modern Algebra: MATH 5320</i> Target 85% of students should score a 7 or higher on the written communication rubric for a sample problem taken from the final exam.	MET content knowledge - algebra ■ Exceeded ■ Met ■ Not Met  0% 100% Exceeded: 60% Met: 20% Not Met: 20% Met Total: 80% Not Met Total: 20%	No actions have been added.
content knowledge - topology Direct - Portfolio <i>Topology: MATH 5340</i> Target 85% of students will score a 7 or higher on the written communication rubric for a sample problem taken from the final exam.	NOT MET Analysis Not offered in AY 2025-26	No actions have been added.
content knowledge - analysis Direct - Portfolio <i>Real Variables: MATH 5310</i> Target 85% of students will score a 7 or higher on the written communication rubric for a sample problem taken from the final exam.	NOT MET content knowledge - analysis ■ Exceeded ■ Approached ■ Not Met  0% 100% Exceeded: 33% Approached: 33% Not Met: 33% Met Total: 33% Not Met Total: 67% Analysis At the end of the term, there were only two students still attending this course (out of 3 originally registered). One exceeded expectations, one stopped attending, and one approached expectations.	No actions have been added.

content knowledge - complex variables Direct - Portfolio <i>Complex Variables: MATH 5312</i> Target 85% of students will score a 7 or higher on the written communication rubric for a sample problem taken from the final exam.	NOT MET Analysis Not offered in AY 2025-26	<i>No actions have been added.</i>
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General Outcome Actions

ACTIONS
Gather Additional Data Not Started Gather data on a larger cohort. Recommended Due Date: 06/01/2027

Conclusion

Continue to gather data on a larger cohort.

Oral communication - content knowledge **NOT MET**

MEASURES	RESULTS	ACTIONS
oral communication - analysis Direct - Presentation <i>Real Variables: MATH 5310</i> Target 85% of students will score 7 or higher on the rubric for oral presentations	NOT MET oral communication - analysis ■ Exceeded ■ Approached ■ Not Met  0% 100% Exceeded: 33% Approached: 33% Not Met: 33% Met Total: 33% Not Met Total: 67% Analysis One of the students communicated the mathematics effectively, while the other did not; one student stopped attending, and the other did not communicate effectively.	<i>No actions have been added.</i>

oral communication - algebra Direct - Presentation <i>Modern Algebra: MATH 5320</i> Target 85% of students will earn a 7 or higher on the oral communication rubric for at least one presentation in this course.	<i>No results have been added.</i>	<i>No actions have been added.</i>
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General Outcome Actions

ACTIONS
Gather Additional Data Not Started Continue to gather out of new larger cohort Recommended Due Date: 06/01/2027

Conclusion

Small sample - continue to gather data.

Computational proficiency **MET**

MEASURES	RESULTS	ACTIONS
computational proficiency - Math 5312 An assignment will be given in which students need to apply these techniques of complex integration. Direct - Assignment <i>Complex Variables: MATH 5312</i> Target 85% of students will successfully be able to compute integrals using complex techniques.	NOT MET Analysis Not offered in AY 2025-26	<i>No actions have been added.</i>
computational proficiency - elective Direct - Assignment Target At least 85% of students completing a computational elective course will show proficiency on computational problems. They will score a 7 or higher on the computational	MET computational proficiency - elective ■ Exceeded ■ Approached 0% Exceeded: 75% 100%	<i>No actions have been added.</i>

proficiency rubric on a sample problem collected from their elective class.	Approached: 25%	
	Met Total: 75%	
	Not Met Total: 25%	

Conclusion

Math 5312 is offered every third semester and so did not run in AY 2025-26. We met the goal in the elective course (Math 5308) in Spring 2026.

Thesis MET

Students will complete a successful, well-written thesis with a successful, well-articulated thesis oral defense.

MEASURES	RESULTS	ACTIONS
Thesis - written The student's thesis will be scored by their faculty committee on the rubric for written expository and mathematical work. Direct - Other Thesis: MATH 5391 Target At least 85% of students completing a thesis will score 7 or higher on the rubric for written expository and mathematical work.	MET Thesis - written Exceeded  0% 100% Values are not shown when too close to each other. Click or use arrow keys to see details. Exceeded: 100% Met Total: 100% Not Met Total: Analysis We had only one student complete their MS in Fall 2025 or Spring 2026 and wrote a thesis exceeding expectations.	No actions have been added.
Thesis - oral Students will demonstrate excellent oral exposition skills by scoring a 7 or higher on the oral presentation rubric during their oral thesis defense as scored by their committee and any other faculty attending the defense. Direct - Presentation Thesis: MATH 5391 Target At least 85% of students will score a 7 or higher on the oral defense rubric.	MET Thesis - oral Exceeded  0% 100% Values are not shown when too close to each other. Click or use arrow keys to see details. Exceeded: 100% Met Total: 100% Not Met Total: Analysis We had only one student complete their MS in Fall 2025 or Spring 2026 and	No actions have been added.

	presented a thesis exceeding expectations.	
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General Outcome Actions

ACTIONS
Gather Additional Data Not Started Continue to gather data with a larger graduating class. Recommended Due Date: 06/01/2028

Conclusion

Continue to gather data with a larger graduating class.

MS in Mathematics - MS-MSMH Success Outcomes

Program satisfaction and efficacy

MEASURES	RESULTS	ACTIONS
Exit survey The exit survey will allow us to gather information about the efficacy of the program and the satisfaction of the students with the program as well as to gather information about their future plans. Indirect - Survey Target 80% of the students who complete the MS program will respond to an exit survey.	<i>No results have been added.</i>	<i>No actions have been added.</i>

Prepare students for jobs or further graduate study in a related field

70% of our students will continue in graduate school or have a job within 6 months of completing their MS in CQM.

MEASURES
<i>No measures have been added.</i>