Mathematics Program Assessment Plan

Program Objectives	Courses	Outcome Measure(s)	Comparative External Measures	When Measured	Who Collects and Analyzes	How data are used for annual reporting and improvement
1. Problem Solving, articulation and analysis	CSC184, MAT167, 177, 208, 287, 301, 306, 315, 317, 331, 332, 416, 407, 417, 432, 447, 462, 463, 480	Course exams and projects	ETS field test	During and at the end of courses	Course faculty, designated faculty member, and Chairperson	Deficiencies, insufficiencies , and trends will be identified, and used for course and curriculum improvements.
2. Problem Solving, approaches and exploration	MAT167, 177, 208, 287, 301, 315, 317, 416, 407, 417, 447, 480	Course exams and projects	ETS field test	During and at the end of courses	Course faculty, designated faculty member, and Chairperson	Deficiencies, insufficiencies , and trends will be identified, and used for course and curriculum improvements.
3. Reading and Communicating Mathematics	MAT177, 208, 306, 317, 407, 416, 480	Course exams and projects	ETS field test	During and at the end of courses	Course faculty, designated faculty member, and Chairperson	Deficiencies, insufficiencies , and trends will be identified, and used for course and curriculum improvements.
4. Progress to a broader understanding of mathematics	MAT177, 208, 306, 317	Course exams and projects	ETS field test	During and at the end of courses	Course faculty, designated faculty member, and Chairperson	Deficiencies, insufficiencies , and trends will be identified, and used for course and curriculum improvements.
5. Gain experience in careful analysis of data	MAT331, 332, 432	Course exams and projects	ETS field test	During and at the end of courses	Course faculty, designated faculty member, and Chairperson	Deficiencies, insufficiencies , and trends will be identified, and used for course and curriculum improvements.
6. Convey mathematics in a variety of settings	MAT208, 301, 315, 317, 416	Course exams and projects	ETS field test	During and at the end of courses	Course faculty, designated faculty member, and Chairperson	Deficiencies, insufficiencies , and trends will be identified, and used for course and curriculum improvements.
7. Applying mathematics to other disciplines	CSC184, MAT167, 177, 306, 317, 331, 417,	Course exams and projects	ETS field test	During and at the end of courses	Course faculty, designated faculty member, and Chairperson	Deficiencies, insufficiencies , and trends will be identified, and used for course and curriculum improvements.
8. Problem solving skills needed in business/education	CSC184, MAT167, 177, 208, 287, 306, 317, 331, 416, 480	Course exams and projects	ETS field test	During and at the end of courses	Course faculty, designated faculty member, and Chairperson	Deficiencies, insufficiencies , and trends will be identified, and used for course and curriculum improvements.

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9. Use technology as an aid to problem solving	MAT167, 177, 287, 317, 417,	Course exams and projects	ETS field test	During and at the end of courses	Course faculty, designated faculty member, and Chairperson	Deficiencies, insufficiencies , and trends will be identified, and used for course and curriculum improvements.
10. Working individually and in teams	CSC184, MAT167, 177, 208, 287, 306, 317, 331, 416, 480	Course exams and projects	ETS field test	During and at the end of courses	Course faculty, designated faculty member, and Chairperson	Deficiencies, insufficiencies , and trends will be identified, and used for course and curriculum improvements.
11. Graduation Trends	N/A	Graduation Rate	N/A	Senior year	Chairperson	Annual Unit Report
12. Retention Trends	N/A	Graduation Rate	N/A	Senior year	Chairperson	Annual Unit Report