

An aerial photograph of the New York City skyline at dusk. The sky is a mix of dark blue and orange, with scattered clouds. The city is densely packed with skyscrapers, many of which are illuminated with lights. The Empire State Building is prominent in the center, with its top lit in red and green. The Hudson River is visible on the right side of the image.

23-24 MATH WIG Analysis



2024 - 2026 Strategic Plan



STUDENT COMPLETION

Increase the number of award completers with Equity from 1,103 to 1,236 by 2026

ACCESS

Increase the annual full-time student equivalent by 3% from 4,625 to 4,763 by 2026

RETENTION

Increase college retention by reducing the within semester withdrawal rate from 16% to 14% by 2026

PERSISTENCE

Increase the Fall to Spring persistence rate from 80% to 84% by 2026



STUDENT WELL-BEING

Increase the overall college student satisfaction rate from 70% to 75% by 2026

ENGAGEMENT

Increase the percent of students who indicate they received prompt feedback from 61% to 65% by 2026 (ccsse)

BELONGING

Student Belonging sub-wig - TBD - Noel Levitz "Most students feel a sense of belonging here" (72%)



EMPLOYEE WELL-BEING

Increase the overall employee overall satisfaction rate from 81% to 84% by 2026

ENGAGEMENT

Increase the percent of employees who indicate that their input is sought and valued from 26% to 30% by 2026

BELONGING

Increase the percent of employees who indicate they feel that they belong at EMCC from 70% to 75% by 2026

Employee Wellness Metrics - Decision Wise Engagement Survey (2019)

Surveys: Spring '23



Student Responses - Sense of Belonging Survey

PRE - **Student Response Average 2.74**

<https://docs.google.com/spreadsheets/d/1XeyMg9R1Xv8LfGzmtzoQfCl1JqOk4ADjj3NeNemeRVI/edit?usp=sharing>

POST - **Student Response Average 2.88**

https://docs.google.com/spreadsheets/d/1EglnHYX_v4P2NqZsf0XB03vbHsAMCPvQW5C-hZwiGBk/edit?usp=sharing

Faculty Reporting - Sense of Belonging Strategies

<https://docs.google.com/forms/d/1eYhET7XN07RcBQZYR0KPP90ugSjby-M4olaSbOt8jS4/edit#responses>

22-23 Program Review

https://docs.google.com/document/d/1oD87AhxiOUSPeYyITjlxPOJFyCFivg_T/edit?usp=drive_link&ouid=114231175060391372258&rtpof=true&sd=true

Student

Faculty

Program Review

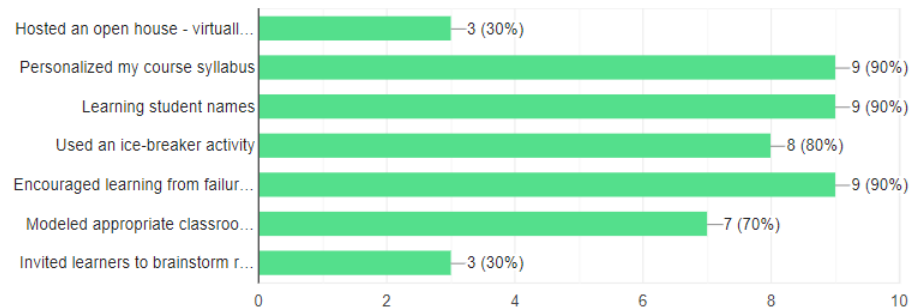
Faculty Survey Feedback

Questions Responses **10** Settings

INTRODUCTION - I incorporated the following activities in class:

[Copy](#)

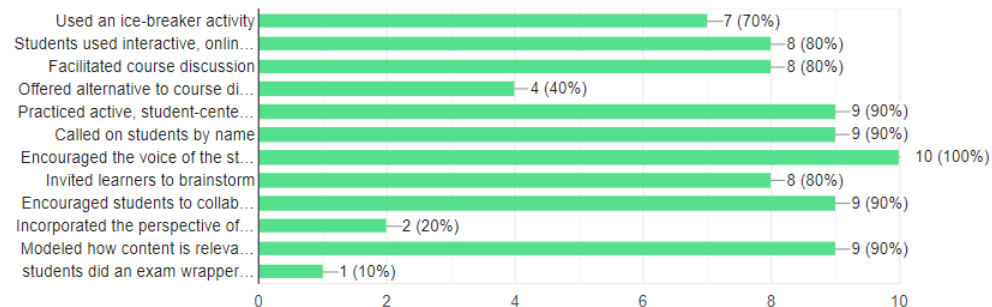
10 responses



ENGAGEMENT - I incorporated the following activities in class:

[Copy](#)

10 responses





2024 - 2026 Strategic Plan

College WIG

STUDENT COMPLETION

Increase number of
Graduates/Completers with equity
from **1,033 to 1,236** by August
2023

RETENTION & PERSISTENCE

- Increase college retention by reducing the within semester withdrawal rate from 16% to 14% by 2026
- Increase the Fall to Spring persistence rate from 80% to 84% by 2026

- 1.2 MCCCCD retains and supports students to reach their academic, personal, and/or professional goals.
- 1.3 MCCCCD secures the financial resources needed to support students, through increased philanthropic efforts.
- 2.1 MCCCCD enhances its technology capabilities to optimize academic, student, and business success.

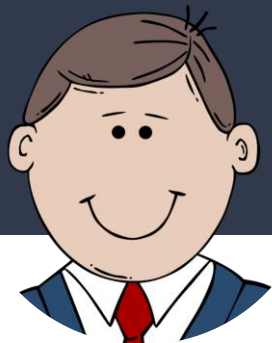
Fall 23- Spring 24 WIG:

The goal of the EMCC Strategic Plan and College WIG on Student Completion is to increase college retention and persistence by reducing the within semester withdrawal rate from 16% to 14% by 2026.

To contribute to this College WIG, each residential Mathematics faculty member will document evidence of at least one of the following lead measures:

- Administer and record (SLO) Course/Program/Institutional Learning Outcome data in Canvas/Tableau with the goal to *move from 748* students assessed to 900 students assessed* (20.32% growth rate from AY 23) by Spring 2024. * Data collected from AY 23 critical thinking assessment and AY 23 Calculus PLO Knowledge assessment: $258+490=748$
- *Increase college retention rates in at least one MAT course by 2%* from Fall22/Spring23 by Spring 2024.

Spring '23 PLC Pilot



Mel Artz



Sara Meana





Sarah Lockhart



Bobbi Mohr

WIG: Instructors will *increase retention rate* in MAT courses from 48.67% (average 151 retention rate from Artz/Lockhart/Mohr Spring thru Fall 2022) to 58.67% (*10% increase*) by May 2023.

Lead Measure: Instructors will *document the number of students enrolled each week* (on the scoreboard) AND the *interventions utilized* with students (on corresponding Google Form) on a weekly basis.

		 I completed at least one intervention this week										 I did not report an intervention this week																			
Instructor	Course	Week 0 (100% Student Day 1)	Week 1 (100% Student Day 1)	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Start of 2nd Week (100% Student Day 1)	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14	Week 15	Week 16	Retention %											
ARTZ	1st 8 week - ONL	MAT 151	Number of students: 32	Number of students: 22	Number of students: 22	Number of students: X	Number of students: 21	Number of students: 21	Number of students: X	Number of students: 20	Number of students: 16										16/32=50%	1st 8 week - ONL	MAT 151								
	16 week - ONL	MAT 151	Number of students: 32	Number of students: 32	Number of students: 28	Number of students: X	Number of students: 26	Number of students: 26	Number of students: X	Number of students: 24	Number of students: 22	Number of students: 21	Number of students: X	Number of students: X	Number of students: 18	Number of students: 16	Number of students: 15	Number of students: X	Number of students: 13	13/32=40.6%	16 week - ONL	MAT 151									
2nd 8 week - ONL	MAT 151										Number of students: 32	Number of students: 26	Number of students: X	Number of students: X	Number of students: 18	Number of students: 16	Number of students: 15	Number of students: X	Number of students: 13	13/32=40.6%	2nd 8 week - ONL	MAT 151									
LOCKHART	16 week - ONL	MAT 151	Number of students: 32	Number of students: 25	Number of students: 25	Number of students: 25	Number of students: 23	Number of students: 21	Number of students: 21	Number of students: X	Number of students: 21	Number of students: 20	Number of students: 19	Number of students: 18	Number of students: 17	Number of students: 14	Number of students: X	Number of students: X	Number of students: X	14/21=66.7%	16 week - ONL	MAT 151	not used								
	18 wk - In Person	MAT 151	Number of students: 31	Number of students: 30	Number of students: 30	Number of students: 30	Number of students: 30	Number of students: 28	Number of students: 28	Number of students: X	Number of students: 26	Number of students: 25	Number of students: 25	Number of students: 23	Number of students: 22	Number of students: 20	Number of students: X	Number of students: X	Number of students: X	20/21=95.2%	18 wk - In Person	MAT 151	not used								
MEANA	16 wk - In Person	MAT 187	Number of students: 50	Number of students: 50	Number of students: 50	Number of students: 50	Number of students: 48	Number of students: 48	Number of students: 48	Number of students: 47	Number of students: 47	Number of students: 45	Number of students: 45	Number of students: 45	Number of students: X	Number of students: 44	Number of students: 44	Number of students: 44	Number of students: 42	42/50=84%	16 wk - In Person	MAT 187									
MOHR	1st 8 week - ONL	MAT 151	Number of students: 32	Number of students: 31	Number of students: 30	Number of students: 30	Number of students: 30	Number of students: 28	Number of students: 27	Number of students: 27	Number of students: 25										25/32=78.1%	1st 8 week - ONL	MAT 151								
	2nd 8 week - ONL	MAT 114									Number of students: 30	Number of students: 28	Number of students: 26	Number of students: 25	Number of students: 24	Number of students: 22	Number of students: 22	Number of students: 21	Number of students: 18	18/30=60%	2nd 8 week - ONL	MAT 114									
																				161/271=59.41%											

Week 16- Faculty Reporting 4DX Spring 23 Pilot (Retention) 5.11.23

WIG: Instructors will increase retention rate in MAT courses from 48.67 Artz/Lockhart (Fall 2022) to 58.67% (10% increase) by May

Lead Measure: All document the number of students enrolled in the intervention (on this Google Form) on a weekly basis

Instructor Name *

Short answer text

WIG activities implemented in my class this week to increase student retention:

ENGAGEMENT

- ☐ Students used interactive, online tools
- ☐ Facilitated course discussion
- ☐ Offered alternative to course discussion - ie. class blog/journaling/chat
- ☐ Practiced active, student-centered learning
- ☐ Encouraged the voice of the students
- ☐ Invited learners to brainstorm
- ☐ Encouraged students to collaborate in small groups
- ☐ Modeled how content is relevant to students' lives

Student Exit Survey

Why did you need to withdraw from your MAT course?

Email *

Valid email

This form is collecting emails. [Change settings](#)

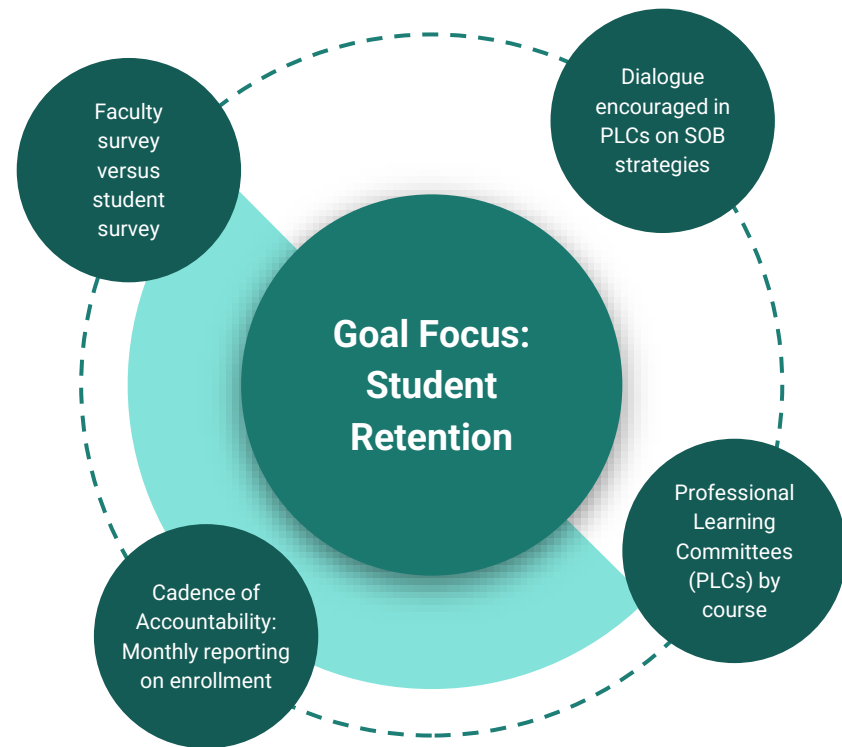
Reason for Withdrawal *

- ☐ Time Commitment for Course
- ☐ Level of Difficulty
- ☐ Family
- ☐ Work
- ☐ Underprepared
- ☐ Unexpected Life Event
- ☐ Excessive Absences
- ☐ Placed in Alternative Class
- ☐ Other...

To best understand your situation, please explain why you chose the option(s) above: *



Where we went...





I completed at least one intervention this month



I did not report an intervention this month

Instructor	Course	Month 0 (2d Roller Day 1-Aug)	Month 1 (September)	Month 2 (October)	Month 3 (November)	Month 4 (December)	Retention Rate %	Month 5 (2d Roller Day 1-Jan)	Month 6 (January)	Month 8 (February)	Month 7 (March)	Month 8 (April)	Month 9 (May)	Retention Rate %	
DIBON	Live Online	1st & 2nd	MAT 141	Number of students: 20	Number of students: X	Number of students: 19		65	Number of students: 26	Number of students: 15	Number of students: 14	Number of students: 12	Number of students: X	Number of students: X	46
	In-Person	2nd & 3rd	MAT 141	Number of students: X	Number of students: X	Number of students: 18		61			Number of students: 29	Number of students: X	Number of students: 23		79
GRAHAM	Online	2nd & 3rd	MAT 141		Number of students: X	Number of students: 28		82	Number of students: 32	Number of students: 26	Number of students: 26	Number of students: X	Number of students: X	Number of students: X	81
	Online	2nd & 3rd	MAT 141		Number of students: X	Number of students: 27		82	Number of students: 32	Number of students: 26	Number of students: 26	Number of students: X	Number of students: X	Number of students: X	81
N. RIVERA	Online	1st & 2nd	MAT 141	Number of students: 30	Number of students: X	Number of students: 27		90	Number of students: 32	Number of students: 31	Number of students: 30	Number of students: 29	Number of students: X	Number of students: X	91
	Online	2nd & 3rd	MAT 141	Number of students: X	Number of students: X	Number of students: 28		89	Number of students: X	Number of students: X	Number of students: X	Number of students: 26	Number of students: 24	Number of students: 19	73
	Hybrid	2nd & 3rd	MAT 141	Number of students: X	Number of students: X	Number of students: 25		92				Number of students: 27	Number of students: 25	Number of students: 22	82
BREAUX	Online	1st & 2nd	MAT 141	Number of students: 30	Number of students: X	Number of students: 27		90	Number of students: 32	Number of students: 30	Number of students: 30	Number of students: 27	Number of students: X	Number of students: X	89
	Online	1st & 2nd	MAT 141	Number of students: X	Number of students: X	Number of students: 27		90	Number of students: 32	Number of students: 30	Number of students: 30	Number of students: 27	Number of students: X	Number of students: X	89
LOCKHART	Online	1st & 2nd	MAT 141	Number of students: X	Number of students: X	Number of students: X		89	Number of students: 32	Number of students: 30	Number of students: 30	Number of students: 27	Number of students: X	Number of students: X	89
	Online	1st & 2nd	MAT 141	Number of students: X	Number of students: X	Number of students: X		89	Number of students: 32	Number of students: 30	Number of students: 30	Number of students: 27	Number of students: X	Number of students: X	89
MOHAMED	Online	1st & 2nd	MAT 141	Number of students: X	Number of students: X	Number of students: X		84	Number of students: 32	Number of students: 30	Number of students: 30	Number of students: 27	Number of students: X	Number of students: X	89
	Online	1st & 2nd	MAT 141	Number of students: X	Number of students: X	Number of students: X		84	Number of students: 32	Number of students: 30	Number of students: 30	Number of students: 27	Number of students: X	Number of students: X	89
L. RIVERA	Online	1st & 2nd	MAT 141	Number of students: X	Number of students: X	Number of students: 54		73	Number of students: 32	Number of students: 30	Number of students: 30	Number of students: 27	Number of students: X	Number of students: X	89
	Online	1st & 2nd	MAT 141	Number of students: X	Number of students: X	Number of students: 54		73	Number of students: 32	Number of students: 30	Number of students: 30	Number of students: 27	Number of students: X	Number of students: X	89
MEANA	In-Person	1st & 2nd	MAT 220/221	Number of students: 58	Number of students: X	Number of students: 54		84	Number of students: 62	Number of students: X	Number of students: X	Number of students: X	Number of students: X	Number of students: 45	73
	In-Person	1st & 2nd	MAT 241	Number of students: 32	Number of students: X	Number of students: 29		72	Number of students: 60	Number of students: 60	Number of students: 59	Number of students: X	Number of students: 50	Number of students: 43	72
ARTZ	In-Person	1st & 2nd	MAT 241	Number of students: 32	Number of students: X	Number of students: 29		72	Number of students: 60	Number of students: 60	Number of students: 59	Number of students: X	Number of students: 50	Number of students: 43	72
	Online	1st & 2nd	MAT 227	Number of students: 28	Number of students: X	Number of students: 21		75	Number of students: 7	Number of students: 7	Number of students: 7	Number of students: 7	Number of students: 7	Number of students: 7	100
	In-Person	1st & 2nd	MAT 227	Number of students: 14	Number of students: X	Number of students: 14		93	Number of students: 13	Number of students: 14	Number of students: 13	Number of students: 12	Number of students: 10	Number of students: 9	62
BHANNON	In-Person	1st & 2nd	MAT 220	Number of students: 28	Number of students: X	Number of students: 28		79	Number of students: 26	Number of students: 24	Number of students: 24	Number of students: 23	Number of students: 23	Number of students: 22	85
	In-Person	1st & 2nd	MAT 220/221	Number of students: 32	Number of students: X	Number of students: 32		97	Number of students: 32	Number of students: 30	Number of students: 30	Number of students: 29	Number of students: 28	Number of students: 28	88
	In-Person	1st & 2nd	MAT 227	Number of students: 14	Number of students: X	Number of students: 14		93	Number of students: 13	Number of students: 14	Number of students: 13	Number of students: 12	Number of students: 10	Number of students: 9	62
HARRIS	In-Person	1st & 2nd	MAT 187	Number of students: 32	Number of students: X	Number of students: 32		97	Number of students: 32	Number of students: 32	Number of students: 32	Number of students: 32	Number of students: 32	Number of students: 30	94
	Online	1st & 2nd	MAT 187	Number of students: 19	Number of students: X	Number of students: X		84	Number of students: 32	Number of students: 27	Number of students: 25	Number of students: 23	Number of students: 21	Number of students: 21	66
BURCH	Online	1st & 2nd	MAT 187	Number of students: 19	Number of students: X	Number of students: X		84	Number of students: 32	Number of students: 27	Number of students: 25	Number of students: 23	Number of students: 21	Number of students: 21	66
	Online	1st & 2nd	MAT 187	Number of students: 19	Number of students: X	Number of students: X		84	Number of students: 32	Number of students: 27	Number of students: 25	Number of students: 23	Number of students: 21	Number of students: 21	66

Mathematics Division

AY 23 - 24


WIG Analysis

WIG: Instructors will increase college retention rates in at least one MAT course by 2% from Fall 22/Spring 23 by Spring 2024.

RETENTION RATES (%)

		FALL '22*	SPRING '23*			FALL '23**	SPRING '24**		
Non-STEM Pathway									
MAT 103		83	78.4		MAT 103	81.3	77.3		
MAT 141				MAT 141					
MAT 206				MAT 206					
College Algebra Pathway									
MAT 114		70.6	63.8		MAT 114	79.5	63		
MAT 151				MAT 151					
Calculus Pathway									
MAT 187		84.13	81.6		MAT 187	85.1	80		
MAT 213				MAT 213					
MAT 220				MAT 220					
MAT 225				MAT 225					
MAT 227				MAT 227					
MAT 230				MAT 230					
MAT 241				MAT 241					
				* EMCC Analytics Dashboard Data				**Instructor Self-Reported Data	
	MAT Semester Retention Average	79.24	74.6		MAT Semester Retention Average	81.97	73.43		
	MAT AY Average		76.92		MAT AY Average		77.7		



A background image showing several hands of different skin tones, each with colorful paint (blue, green, yellow, red) applied to the palms and fingers. The hands are positioned as if they are about to clasp together in a supportive gesture. The background is a bright, outdoor setting with dry earth and some greenery.

Cadence of Accountability

Monthly Division Meetings

Document student enrollment on Scoreboard

Rich dialogue with colleagues on areas for improvement



Record Keeping

Instructor Implements and documents sense of belonging best practices (Google Form)

Promote exit ticket when student drops



Increase in *student retention*