



Office of Academic and Student Affairs

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UW SYSTEM MATH INITIATIVE

The Madison Concourse Hotel, 1 W. Dayton St., Madison

April 18-19, 2019

PRE-WORKSHOP FOR ICT LEADS, DATA ANALYSTS AND MSC MEMBERS

Thursday, April 18, 8:00 a.m. – noon

NEW ICT MEMBER ORIENTATION

Thursday, April 18, 11 – 11:30 a.m.

FULL ICT WORKSHOP

Thursday, April 18, 11:30 a.m. – 6:45 p.m.

Friday, April 19, 7:30 a.m. – 12:30 p.m.

MATH INITIATIVE GOALS

- Increase enrollment rates in a math course in students' first year
- Reduce number of incoming students needing remedial math
- Improve successful completion of remedial math in the first year
- Increase percent of new freshmen who pass credit-bearing math in the first year
- Guarantee transferability of gateway math for students transferring within UW System

OBJECTIVES

- Investigate the current environment across UW System
 - Pathways and placement for Business, Education and Nursing gateway math
 - Co-requisite data
 - Discuss how to use this data when communicating with faculty and staff across your institution
- Learn about analyses at other UW institutions
- Learn about other institutions' strategies, including their successes, challenges and lessons learned
- Determine next steps to take at your institutions to make gains on the Math Initiative goals

Thursday, April 18

PRE-WORKSHOP FOR ICT LEADS, DATA ANALYSTS AND MSC MEMBERS 8:00 – noon

Registration (7:30 – 8 a.m.) – Assembly foyer

Breakfast (8 – 8:30 a.m.) – Assembly room

Welcome & breakout logistics (8:30 – 8:45 a.m.) – Assembly room

Breakouts – rotate to each session

- Co-requisite data – Assembly room
- Existing math pathways and placement for Business, Education and Nursing– Senate A/B
 - Session 1 (8:45 – 9:30 a.m.)
 - Session 2 (9:30 – 10:15 a.m.)

Break (10:15 – 10:30 a.m.) – Assembly foyer

Presentations of analyses at UW institutions (10:30 – 11:30 a.m.) – Assembly room

- What analyses would be useful to do at my institution?
- What data would inform my work on Year 2 topics?

Debrief (11:30 – noon) – Assembly room

- Discuss overall observations
- Develop questions and talking points to share with your full ICT after lunch

Thursday, April 18

NEW INSTITUTIONAL CHANGE TEAM MEMBER ORIENTATION

New ICT Reps for Year 2

Everyone Welcome

11:00-11:30 a.m.

Registration opens (10:30 a.m.) – Madison Ballroom foyer

Math Initiative orientation and overview (11 – 11:30 a.m.) – Madison Ballroom

FULL ICT MEMBER WORKSHOP

Adding Advisors and Faculty Reps, including from Business, Education, and Nursing

11:30 a.m.-6:45 p.m.

Lunch for everyone (11:30 – 12:30 p.m.) – Madison Ballroom

Welcome – Karen Schmitt (12:30 – 12:45 p.m.) – Madison Ballroom

Math Initiative goals and Year 2 work (12:45 – 1:00 p.m.) – Madison Ballroom

Institution team work (1:00 – 2:00 p.m.) – Madison Ballroom

- Orient your team members to the two sets of data from the pre-workshop
 - Share your key observations
- Discuss key takeaways from pre-workshop peer institutions' data presentations

Room switch with instructions (2:00 – 2:15 p.m.)

Professional degree breakouts (2:15 – 3:30 p.m.)

- Business pathway – University AB
- Education pathway – Elementary/Middle School Mathematics – Madison Ballroom
- Nursing pathway – University CD

Break with breakout instructions (3:30 – 3:45 p.m.) – Madison Ballroom

Breakouts – Cross-institutional 5 X 5 PPTs – Round 1 (3:45 – 5:15 p.m.)

- Group 1 – Madison Ballroom
- Group 2 – Assembly room
- Group 3 – University AB
- Group 4 – University CD

Reception (5:15 – 6:45 p.m.) – Circ (1st floor)

Friday, April 19

Breakfast & instructions (7:30 – 8:30 a.m.) – Madison Ballroom

Breakouts – Cross-institutional 5 X 5 PPTs – Round 2 (8:30 – 9:45 a.m.)

- Group 5 – Madison Ballroom
- Group 6 – Capitol A
- Group 7 – Capitol B
- Group 8 – University AB

Break (9:45 – 10 a.m.) Outside Madison Ballroom

Concurrent breakouts (10 – 11:15 a.m.) – participants select one

- **Preparing Developmental Math Students for a STEM Pathway** – Shubhangi Stalder, UW-Milwaukee at Waukesha – Madison Ballroom
This session will showcase open educational resources (OER) being developed for Developmental Math through College Algebra for STEM majors in a co-requisite model by Stalder and Martin. Part of this project was funded by a UW System OER grant. These materials include some video lectures and align course content with accompanying exercises in a non-standard progression giving students a more in-depth understanding beyond the typical rote memorization encouraged in traditional texts. These materials also cultivate growth mindset and mindfulness to reduce students' math anxiety. Attendees will be given an opportunity to interact with some of these materials.
- **Education pathway continued conversation** – Jenn Kosiak – Capitol A
Building on current practices and national standards, this session will continue the dialogue on mathematical recommendations for elementary and middle school teacher candidates at UW System campuses.
- **Math Initiative advising strategies** – Alice Pulvermacher – Capitol B
UW institutions will share how they have implemented or plan to implement co-requisite programs, bridge programs, pathway strategies, and multiple measures for placement.
- **Partner discipline engagement strategies** – Robert Allen, UW-La Crosse; Tobias Barske, UW-Stevens Point; Trenton Baylor, UW-Parkside; Carrie Tirel, UW-Oshkosh at Fox Valley; and Matthew Winden, UW-Whitewater – University AB
Partner discipline faculty from Year 1 will discuss: What is the role of partner disciplines in a mathematics-focused initiative? What do faculty from partner disciplines need and how can they best contribute? What strategies were used to engage partner discipline faculty? Participants will discuss these questions and share lessons learned to support effective cross-disciplinary collaboration.
- **Data analyst conversation: supporting Year 2 of the Math Initiative** – David Blough – Conference room 1
ICT data analysts will gather to share updates and to plan analyses that will inform the work in Year 2. Other team members are welcome to join and share their ideas.

Institutional Team Work (11:15 – noon)

- Debrief from breakouts

Closing and next steps (noon – 12:30 p.m.) – Madison Ballroom

Box lunches (12:30 p.m.) – Madison Ballroom