



Office of Academic and Student Affairs

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## **UW SYSTEM MATH INITIATIVE**

**The Madison Concourse Hotel, 1 W. Dayton St., Madison  
August 23 - 24, 2018**

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

Thursday, Aug. 23, 8:00-noon

### **FULL ICT WORKSHOP**

Thursday, Aug. 23, noon-6:30 p.m.

Friday, Aug. 24, 7:30-noon

### **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 transfer/applicability of gateway math for students transferring within UW System

### **OBJECTIVES**

- Investigate the current environment across UW System
  - Placement in gateway math
  - Required or recommended math for programs
  - Non-Algebra/Non-Statistics pathway
- Determine how this informs the Wisconsin math framework
- Discuss how to use this data when communicating with faculty across your institutions this fall
- Learn how other institutions are engaging in this work
  - Identify and share strategies that teams may want to adapt for their campus
- Determine next steps to take at your institutions to make gains on the first four outcomes with an eye on transfer

## Thursday, August 23

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

**Breakfast** (8-8:30 a.m.) – Madison Ballroom

**Welcome & breakout logistics** (8:30-8:45 a.m.) – Madison Ballroom

**Breakouts** – rotate to each session

- Topics and locations
  - Sorting tool – Assembly room
  - Non-Algebra/Non-Statistics Pathway (NANS) – Senate A
  - Existing math pathways and placement – Senate B
- Session and break times
  - Session 1 (8:45-9:30 a.m.)
  - Session 2 (9:30-10:15 a.m.)
  - Break (10:15-10:30 a.m.)
  - Session 3 (10:30-11:15 a.m.)

**Debrief from morning breakouts** (11:15-noon) – Assembly room

- Discuss overall observations, including those shared by facilitators
- Develop questions and talking points to share with full ICT after lunch

## Thursday, August 23

### FULL ICT MEMBER WORKSHOP Adding Advisors and Faculty Reps from STEM, A&H, and S&BS Noon-6:30 p.m.

**Lunch & Welcome** (noon – 12:30 p.m.) – Madison Ballroom

**Institution team work** (12:30 – 1:30 p.m.) – Madison Ballroom

- Orient your team members to the three sets of data
- Share your key observations
- Go over questions for your institution – who can answer? Plan for answering?
- Go over questions for other institutions – who can answer? Plan for answering?
- What could a Wisconsin math framework look like, keeping in mind your institutional progress on the initiative goals?

**Room switch with instructions** (1:30 – 1:45 p.m.)

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

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

**Break** (3:15 – 3:30 p.m.)

**Institutional team work** (3:30 – 4:15 p.m.) – Madison Ballroom

- Debrief from breakouts
- Discuss how to make institutional progress on the initiative goals, keeping in mind the goal to inform a Wisconsin math framework

**Karen Schmitt** (4:15 – 5 p.m.) – Madison Ballroom

- Recognize accomplishments to date
- Share the UW System vision
- Focus Wisconsin math framework on student success with an eye on transfer

**Reception** (5 – 6:30 p.m.) – Circ (1<sup>st</sup> floor) – Provosts and UW System Associate Vice Presidents join

## Friday, August 24

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

### Concurrent breakouts (8:30-9:25 a.m.) – participants select one

- **Quantitative Reasoning – Madison Ballroom**  
Explore how faculty can design rigorous and relevant quantitative reasoning courses that prepare students for subsequent coursework in partner disciplines and for life in a data-driven society. The session will include examples from courses and resources for faculty.
- **TIS/UCTA – University AB**  
Jackie Morgan, UW System credit transfer technology manager, and Todd Bailey, a UW System analyst, will provide an overview of resources related to transfer to a UW System institution from another UW or from a Wisconsin Technical College System campus. They will describe and demonstrate the Transfer Information System (TIS) and the Universal Credit Transfer Agreement (UCTA), both of which are required by state law. They will take participants on a tour of the resources found on the Transfer Wisconsin website, which has recently been revised to be more student-focused.
- **Using data in the Math Initiative – Wisconsin Ballroom**  
If you are not the data analyst on your team, and you are interested in analyses that advance the Math Initiative, this is the session for you! We will walk through how UWSA is measuring systemwide progress on the five goals of the Math Initiative. Then, we'll discuss some of the different analyses institutional teams have conducted to better understand math pathways at their institutions. Come hear and share ideas for what might be useful and actionable for your team. (ICT data analysts: the content of this session is a repeat of our teleconference calls.)
- **Partner disciplines – Capitol A**  
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? Participants will discuss these questions and identify actions and strategies for supporting effective cross-disciplinary collaboration.

### Room switch (9:25-9:35 a.m.)

### Concurrent breakouts (9:35-10:30 a.m.) – participants select one

- **Strategies for student engagement – Madison Ballroom**  
Student engagement and relatability of course content (math and partner disciplines) have been shown to enhance the learning experience. This session will highlight a variety of pedagogical strategies to address both these challenges. Participants will be given the opportunity to share their own approaches and discuss how examples from partner disciplines can be incorporated as relevant tasks in the classroom, including examples for the college algebra setting.
- **Advising – Wisconsin Ballroom**  
Advisors play a key role in implementing mathematics pathways with students. Participants will discuss effective practices for preparing advisors and communicating with students and will share tools and strategies they are employing at their institutions.
- **TIS/UCTA – University AB**  
Jackie Morgan, UW System credit transfer technology manager, and Todd Bailey, a UW System analyst, will provide an overview of resources related to transfer to a UW System institution

from another UW or from a Wisconsin Technical College System campus. They will describe and demonstrate the Transfer Information System (TIS) and the Universal Credit Transfer Agreement (UCTA), both of which are required by state law. They will take participants on a tour of the resources found on the Transfer Wisconsin website, which has recently been revised to be more student-focused.

- **Emerging Trends in Mathematics Placement Policy and Practice – Capitol A**  
In the next phase of the Math Initiative, ICTs will consider changes to institutional policies and practices to reduce the number of students placed into developmental math courses while simultaneously improving the success rates of students in college-level courses. A convincing body of evidence has emerged around a set of high-leverage policies and practices that achieve both of these goals by improving the accuracy of assignment to developmental courses and increasing access and success in relevant college-level coursework. This session will offer an overview of the research and policy trends in mathematics placement and guide participants through a discussion to consider how these findings may support their institution's efforts. Topics will include multiple measures for assessing college readiness, co-requisite supports, and pathways-aligned placement policies.

#### **Break (10:30-10:45)**

#### **Institutional Team Work (10:45 – 11:45) – Madison Ballroom**

- Debrief from breakouts
- How will this workshop shape your engagement with faculty this fall as you work on updating your sorting tool?
- Discuss and consider activities for the remainder of Year 1

#### **Closing (11:45 – 12:00) – Madison Ballroom**

- MSC meeting Sept. 20 discussion topics
  - Learning outcomes
  - Pre-reqs
  - Co-reqs
  - Common cut score
- Next steps in continuing our work to develop the Wisconsin math framework and for institutional progress on the initiative goals
  - ICTs submit sorting tool by Oct. 1
  - ICT leads/MSM members review October sorting tool findings from across UW System to shape the Wisconsin math framework (meeting TBD)
  - ICTs evaluate the potential for an early enrollment in math campaign for students entering fall 2019
- Year 2
  - Update ICT in 2019 to include business, nursing and education faculty reps
  - Recommend a Wisconsin math framework for institutional review
  - Continue work on math placement considering pre-requisite knowledge and skills

#### **Box lunches (12:00)**