



Ohio Mathematics Initiative

• *Re-envisioning Post-secondary Mathematics*

Michelle L. Younker

Terra State Community College

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Steering Committee Charge

To develop expectations and processes that result in each campus offering pathways that result in mathematics that yield:

- 1) increased success for students in the study of mathematics
- 2) a higher percentage of students completing degree programs
- 3) effective transferability of credits for students moving from one institution to another

Timeline

- May 8, 2013: Math Summit
- Late May–June 2013: Selection of Steering Committee members
- July 26, 2013: Initial Steering Committee meeting
- August–December 2013: Monthly Steering Committee meetings & working group collaborations & discussions

Timeline

- January 10-11, 2014: Chairs meeting and Steering Committee retreat
- March 2014: Release of *Rethinking Postsecondary Mathematics: Final Report of the Ohio Mathematics Steering Committee*
- June 2, 2014: Inaugural Chairperson's meeting
- Summer 2014: Selection of subgroup members

Timeline

- September 17-18, 2014: Complete College America/Dana Center Grant meeting
- September 25, 2014: Subgroup co-leads meeting
- October–November 2014: Initial meetings of the subgroups
- July 2014–June 2016: (Grant supported) work continues

Steering Committee Composition

- 7 mathematicians from 4-year state institutions
- 5 mathematicians from 2-year state institutions
- 5 ex-officio members
- 2 consultants from the Charles A. Dana Center, University of Texas at Austin
- Board of Regents staff

Essential Component #1

Develop high-quality entry-level courses and pathways

- Improve student success in by aligning mathematics to academic programs
- Develop, implement, and evaluate co-requisite strategies to support underprepared students

Essential Component #2

Develop transfer policies and processes that foster effective transfer of course credits while encouraging course innovation

- Redesign OTM course criteria and processes
- Increase flexibility in determining prerequisite courses and credit hours
- Define “college-level”

**Work already in progress

Essential Component #3

Support constructive engagement of mathematics chairpersons and faculty within and across campuses

- Establish a chairs network
- Improve communication among mathematics faculty and stakeholders
- Encourage and promote participation in professional groups

Essential Component #4

Collect, analyze, and share relevant data

- Develop quality measures for improving student success in mathematics

Essential Component #5

Improve student success in college-level mathematics courses by aligning postsecondary expectations and high school practice

- Strengthen collaboration and communication between K-12 and higher education
- Share best practices and explore new approaches to the placement of entering postsecondary students and implementation of the remediation-free standards

Key Ideas

- Summit was driven by faculty concerns
- Faculty are leading these changes
- Chairs network is key in implementation

Next Steps Identified by Steering Committee

- ✓ Convene chairs – June 2, 2014
- ✓ Create working groups – Summer 2014
 - Begin work on the essential components & SHARE what's happening!
 - Plan a statewide mathematics conference

Resources & References

- *Rethinking Postsecondary Mathematics: Final Report of the Ohio Mathematics Steering Committee*; March 2014
https://ohiohighered.org/sites/ohiohighered.org/files/uploads/math/MATH-REPORT_FINAL_4.22.14.pdf
- Ohio Mathematics Initiative Website
<https://ohiohighered.org/mathematics-initiative-documents>
- Minutes from the Ohio Mathematics Steering Committee; July 2013-January 2014
- Meeting notes from the University System of Ohio Mathematics Chairpersons Network; June 2014