The Ohio Mathematics Initiative (OMI) is a collaborative effort of mathematics faculty members from the state’s public colleges and universities and Ohio high schools that is revisiting and rethinking mathematics courses and curricula and the relationship of mathematics to other disciplines.

One catalyst for the initiative is the need to better align course options to students’ academic and career goals.
Concurrent Projects

1. Multiple Pathways

2. Revising Guidelines

Concurrent Projects

Multiple Pathways

nonSTEM

Quantitative Reasoning
Statistics

STEM

Developmental Level
College Algebra
Trigonometry
Calculus 1
Calculus 2
Concurrent Projects

Multiple Pathways

STEM
- Calculus 2
- Calculus 1

solely preparation for calculus
- Trigonometry
- College Algebra
- Developmental Level
Concurrent Projects

Revising Guidelines

STEM
- Calculus 2
- Calculus 1
- Trigonometry
- College Algebra
- Developmental Level
  - Intermediate Algebra

No Prescribed Prerequisites
Concurrent Projects

Revising Guidelines

nonSTEM
Quantitative Reasoning
TMM011

STEM
Calculus 2
Calculus 1
Trigonometry
College Algebra
Concurrent Projects

**PreCalculus**

Revising Guidelines

**STEM**

- Calculus 2
- Calculus 1
- Trigonometry
- College Algebra

PAUSE
Concurrent Projects

Calculus

Revising Guidelines

STEM

Topics Covered

Student Outcomes

Calculus 2

Calculus 1

Trigonometry

College Algebra

TMM005

TMM006
Concurrent Projects

Precalculus

Revising Guidelines

Topics Covered ➔ Student Outcomes
Calculus Preparation ➔ Function Language
Calculus Preparation ➔ Elevate Rigor

STEM

Calculus 2
Calculus 1
Trigonometry
College Algebra

UNPAUSE
Concurrent Projects

Resequencing Calculus

Related STEM Fields
Math/STEM TAG Panels

• More Multivariable

Resequencing
Another Pathway
Options

STEM
Calculus 2
Calculus 1
Trigonometry
College Algebra
Concurrent Projects

More Pathways

Early and Middle Childhood Education
Concurrent Projects

5. Shorten Pathways
6. Reduce Cost of Materials
7. Discrete Mathematics Guidelines
Mathematics Update

OMI/OTM

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