

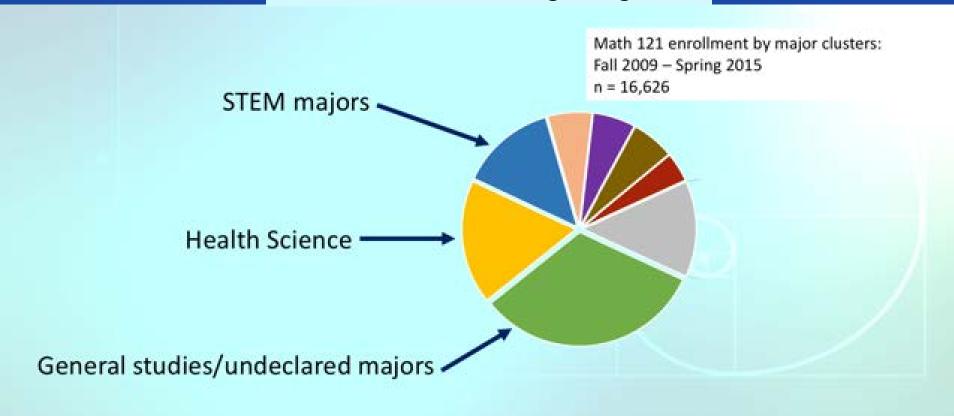
Math Pathways + Math Corequisite Model

Primary Goals:

- Teach mathematics content and skills that will be of value to students in their lives and careers
- Increase and accelerate student success in mathematics



Enrollment in College Algebra





1- Math Pathways: Recommendations

- 1. Provide clear pathways for students who pursue non-STEM majors
- 2. Enhance offerings of *algebraic-light* math courses for students in non-calculus meta-majors
- 3. Re-assess math requirements for non-STEM Majors
- Strengthen advising processes for math/stats courses
- Strengthen communications both internal and external



1- Math Pathways: Accomplishment

M 105Q – Contemporary Mathematics



2- Corequisite Model

Corequisite approach –

Improve the success of students who enter college but are not ready for college level math (and/or writing) courses



Remediation



Too many students start college in remediation

Nationally:

- 61% in 2-year institutions
- 28% in 4-year, non-flagship institutions

Montana (Math or English):

- 52% in 2-year institutions
- 47% in 4-year, non-flagship institutions
- 21% in 4-year, flagship institutions



Few Graduate or Transfer

Of 2-year students enrolled in remediation:

Nationally:

- 11% graduate in 3 years
- 18% transfer to 4-year institution, in 4 years

Montana (Math or English):

- 15.3% graduate in 3 years
- 16.4% transfer to 4-year institution, in 4 years

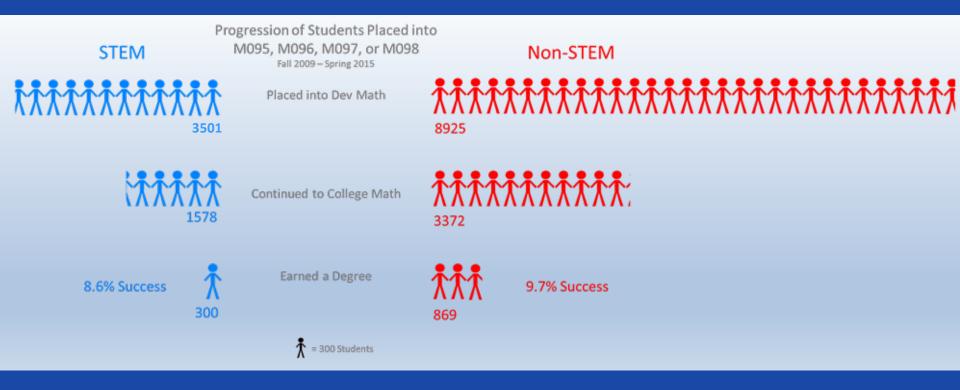


Remediation

Student attrition is at the heart of the matter...



Student Attrition in Developmental Math Sequence (MUS data)





Corequisite at Scale

The corequisite model represents an alternate approach to non-credit-bearing developmental courses

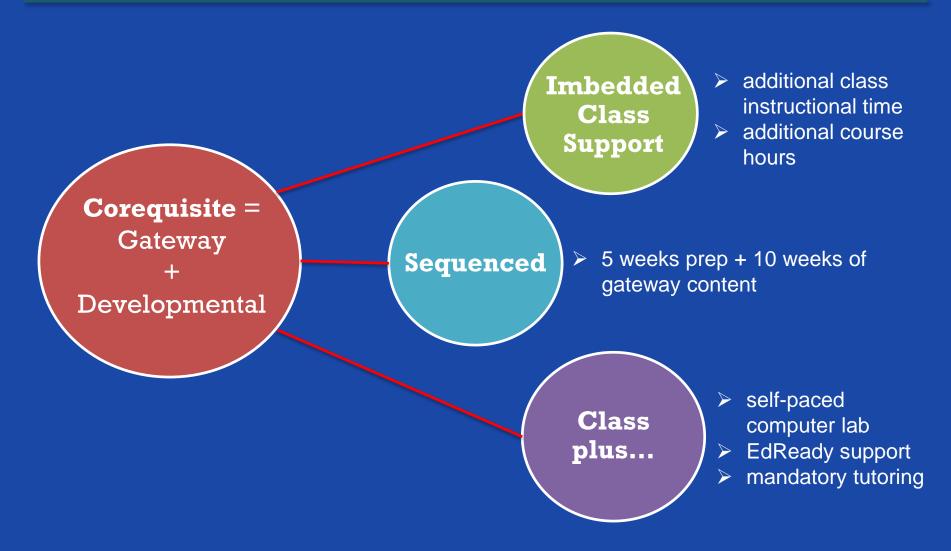


Corequisite Courses are College Courses

- → Corequisite students are treated as college students on day one
- → Students complete gateway courses and enter programs of study in their 1st academic year
- → Corequisite students are learning college-level content with integrated academic support



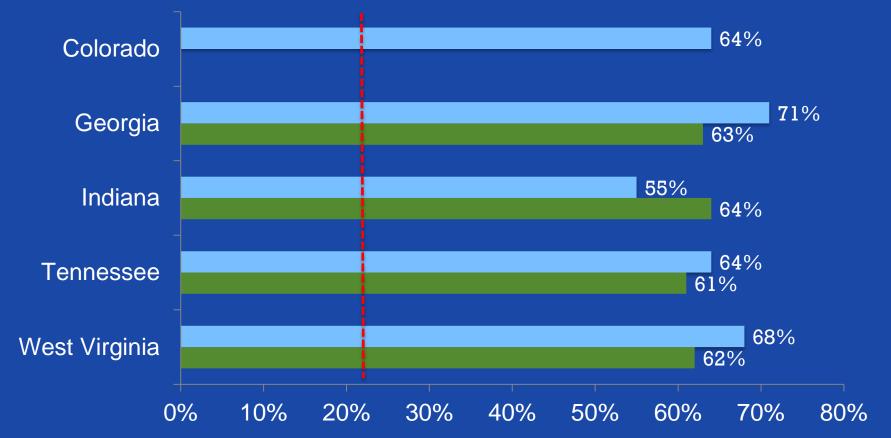
What is a corequisite course?





Success of Corequisite Programs at Scale (CCA 2016)





(Source: Complete College America)



Montana Corequisite At-Scale

Timeline...

- March 30, 2016: Corequisite at Scale Leadership Academy (CCA)
- May 2016: Assemble Montana Task Force; communicate initiative; identify data needs
- July-Aug 2016: Examine existing pilot programs; identify potential challenges and solutions; collect and assess data
- Sept 30 (tentative): Conduct state-wide corequisite summit and workshop
- Oct-Dec 2016: Communicate recommendations and develop implementation plan
- > Spring-Fall 2017: Refine corequisite models; expand pilot offerings; assess and finalize programming details
- > Spring 2018: Full scale implementation



Process

Keys to a successful process:

- Engage faculty
- Establish a sense of urgency
- Communicate plan ahead with positive messaging
- Use an information-driven approach
- Join forces across sectors and campuses
- Emphasize the common ground → student success



Acknowledgments

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- Bruce Vandal (Senior Vice President, Complete College America)
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Questions?



