Co-Requisite Courses at MTSU
For more information, feel free to email me at Scott.McDaniel@mtsu.edu

Former Developmental Math Structure at MTSU

Math Redesign Structure
College Algebra (1710K)

Initially had a custom supplement made
Now, the “Review” sections from the book are offered as an option for instructors to cover

Current Text: College Algebra with Modeling & Visualization, 4th edition, by Rockswold

Intermediate Topics for College Algebra (1710K): Solving a linear equation (Basic), Graphing a linear Equation (Basic), Factoring, Square Roots

General Studies Math (1010K)

Initially the same custom supplement for college algebra was used
Now, all instructors use the two algebra chapters from the book. These chapters are not covered in the non-prescribed class.

Current text: Mathematical Ideas, 12th ed. by Miller, Heeren, and Hornsby

Intermediate Topics for General Studies Math (1010K): Linear Equations and applications, Linear Inequalities, Properties of Exponents and Scientific Notation, Polynomials and Factoring, Quadratic Equations and applications, Lines and slopes and graphing linear equations, Linear Models, Introduction to Functions, Systems of Equations, Exponential and log functions

Introductory Statistics (1530K)

Two Criteria:
1. Focus on algebra topics that will help students succeed in the course
2. Algebra topics that focus on mathematical literacy purposes to ensure that students pass a non-prescribed college algebra class should they change their major


Intermediate Topics for Statistics (1530K): Solving Equations, Graphing Equations, Writing equations of lines (emphasis on interpretation of slope and intercepts), Functions (definition and notation), Exponential Functions and models

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<th>Advantages of Redesign</th>
<th>Disadvantages of Redesign</th>
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<tr>
<td>Reduces time/cost for completion</td>
<td>Additional contact hours</td>
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<td>General Ed credit provided</td>
<td>Scheduling</td>
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<tr>
<td>Reduced stigma</td>
<td>More coordination required</td>
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<td>Students complete general education mathematics requirements early thus increasing likelihood of earning bachelor’s degree</td>
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