PRINCIPLE 1

All students, regardless of college readiness, enter directly into mathematics pathways aligned to their program of study.

Defining Mathematics Pathways
- One hundred percent of majors and programs of study have defined default math pathways.
- Midland College aligns degree requirements with its four main receiving institutions to facilitate ease of transfer.
- Technical program advisors are encouraged to recommend the math class aligned with the field of study when no specific math course is required.

Aligning Courses to Programs of Study
- Each math course incorporates examples and projects that relate to the students’ areas of interest.
- The math department seeks input from technical faculty to incorporate meaningful projects into the quantitative reasoning course.

Appropriate Prerequisites
- The New Mathways Project model was fully implemented in Fall 2015 allowing students to progress through developmental math in one semester and transition to transfer-level math in the second semester.

<table>
<thead>
<tr>
<th>Non-STEM Pathway</th>
<th>STEM Pathway</th>
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<tbody>
<tr>
<td>TSI 310-336</td>
<td>3-week NCBM 0111 + 13-week MATH 0481</td>
</tr>
<tr>
<td>TSI 337-349</td>
<td>16-week MATH 0481 Non-STEM Prep</td>
</tr>
<tr>
<td>TSI 350+</td>
<td>Statistics or Quantitative Reasoning</td>
</tr>
<tr>
<td></td>
<td>16-week MATH 0482 STEM Prep</td>
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<tr>
<td></td>
<td>College Algebra or Business Math</td>
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</tbody>
</table>

Student Advising
- Advisors specialize in programs of study to better serve students: Math, Science, and Health Science; Business, Fine Arts, and Social and Behavioral Science; Technical Studies
- All advisors receive training on best practices for the New Mathways Project model of instruction.

Midland College
Midland, TX
www.midland.edu

Success Points
Math Readiness

Students Who Pass First College-Level Math Course

Texas Success Center