Multiple Mathematics Pathways

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Transforming Post-Secondary Education in Mathematics
Duke University
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# Higher Education Mathematics

## Course Enrollment

<table>
<thead>
<tr>
<th></th>
<th>4 Year Institutions</th>
<th>2 Year Institutions</th>
</tr>
</thead>
<tbody>
<tr>
<td>College Algebra and below</td>
<td>57%</td>
<td>58%</td>
</tr>
<tr>
<td>Calculus</td>
<td>37%</td>
<td>35%</td>
</tr>
<tr>
<td>Advanced Courses</td>
<td>7%</td>
<td>6%</td>
</tr>
<tr>
<td>Other Courses (2 Year)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL Enrollment (in thousands)</td>
<td>1469</td>
<td>1614</td>
</tr>
</tbody>
</table>

Source: Adapted from the CBMS 2010 Census Report, Table S.2
STATISTICS PATHWAY is designed for students seeking a college-level statistics course as part of their general education requirement for majors in fields including:
- Nursing
- Social Work
- Criminal Justice

QUANTITATIVE REASONING PATHWAY is designed for students pursuing a field of study in which general education math is a requirement. These fields include majors in:
- Communications
- Graphic Design
- Paralegal

STEM-PREP PATHWAY is designed for students seeking a STEM or mathematics-intensive major in fields including:
- Petroleum Engineering
- Computer Science
- Chemistry