## Mathematics Program
### MULTI-YEAR PLAN 2011

### Outcomes

<table>
<thead>
<tr>
<th>Outcomes</th>
<th>2011-2012</th>
<th>2012-2013</th>
<th>2013-2014</th>
<th>2014-2015</th>
<th>2015-2016</th>
<th>2016-2017</th>
<th>Means of Assessment, Benchmark</th>
<th>Who is in charge?</th>
<th>How the loop will be closed /has been closed?</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Core Knowledge</td>
<td>X</td>
<td></td>
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<td></td>
<td>Major Field Test in Mathematics, 50% above the 75th percentile</td>
<td>Department chair coordinates discussion and work among all mathematics faculty</td>
<td>New senior capstone course is being developed in 2011-12 to provide more effective way of insuring students have mastered the material and of assessing the SLO.</td>
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<td>2. Communication</td>
<td></td>
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<td>X</td>
<td>Writing samples scored with rubric, 75% show improvement during term (will be changed in light of 2010/11 assessment)</td>
<td>Department chair coordinates discussion and work among all mathematics faculty</td>
<td>Corequisite to MA 180 has been changed for 2011-12 to insure that students are able to develop their skills more fully before having them assessed. Course in which SLO will be assessed beginning in 2011-12 has been changed to provide more informative student work. Software license will be upgraded to facilitate student learning and our assessment of their learning.</td>
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<td>3. Creativity</td>
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<td>X</td>
<td>Externally reviewed journal problems, 50% get correct solutions according to the journal</td>
<td>Instructor of MA 180.</td>
<td>If benchmark is not met, mathematics faculty will review the curriculum.</td>
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<td>4. Christian Connection</td>
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<td></td>
<td>X</td>
<td>Reflective paper scored with rubric, 50% score superior</td>
<td>Department chair coordinates discussion and work among all mathematics faculty</td>
<td>New senior capstone course is being developed in 2011-12 to provide more effective way of insuring students have mastered the material and of assessing the SLO.</td>
</tr>
</tbody>
</table>

### GE Projects

| GE Projects |  |  |  |  |  |  |  |  |  |  |
|-------------| | | | | | | | | | |
| 5.          | | | | | | | | | | |

Changes from 2010 report reflect instructions Align program-level assessment with the Institutional-level assessment.

NOTE: Six-Year Program Review Report due 9/15/2014