### ADVANCED MATHEMATICS ELECTIVES

<table>
<thead>
<tr>
<th>Hours</th>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>3</td>
<td>MATH 237</td>
<td>Applied Matrix Theory</td>
</tr>
<tr>
<td>3</td>
<td>MATH 257</td>
<td>Linear Algebra</td>
</tr>
<tr>
<td>3</td>
<td>MATH 300</td>
<td>Introduction to Numerical Analysis*</td>
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<tr>
<td>3</td>
<td>MATH 343</td>
<td>Applied Differential Equations II</td>
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<tr>
<td>3</td>
<td>MATH 411</td>
<td>Introduction to Numerical Analysis*</td>
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<td></td>
<td>GES 255</td>
<td>Engineering Statistics I</td>
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<tr>
<td>3</td>
<td>GES 400</td>
<td>Engineering Statistics</td>
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<tr>
<td>3</td>
<td>GES 451</td>
<td>Matrix and Vector Analysis</td>
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<tr>
<td>3</td>
<td>ME 411</td>
<td>Finite Element Analysis in Heat Transfer</td>
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</tbody>
</table>

(* Credit will not be granted for both MATH 411 and MATH 300)

*Revised  July 2010*