**LOWER LEVEL COURSES**

<table>
<thead>
<tr>
<th>Course</th>
<th>Cr. Hrs.</th>
<th>Description</th>
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<tr>
<td>COPXXXX</td>
<td>3</td>
<td>Intro Programming in C, C++, JAVA or equivalent Language</td>
</tr>
<tr>
<td>MAPX302</td>
<td>3</td>
<td>Differential Equations</td>
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</tbody>
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Select from the following:

- MACX311: 4
- MACX281: 4
- MACX312: 4
- MACX282: 4

Select from the following:

- MACX313: 4
- MACX283: 4
- CHMX045C: 4

Take both courses:

- CHMX045/X045L: 5
- CHMX044C: 4

Select from the following:

- PHYX048C: 5

Take both courses:

- PHYX048/X048L: 5

Select from the following:

- PHYX049C: 5

Take both courses:

- PHYX049/X049L: 5