**Lower Level Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Cr. Hrs.</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>MACX311</td>
<td>4</td>
<td>Calculus I with Analytical Geometry</td>
</tr>
<tr>
<td>MACX312</td>
<td>4</td>
<td>Calculus II with Analytical Geometry</td>
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<tr>
<td>MACX313</td>
<td>4</td>
<td>Calculus III with Analytical Geometry</td>
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<tr>
<td>MACX281</td>
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<tr>
<td>MACX282</td>
<td>4</td>
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<tr>
<td>MACX283</td>
<td>4</td>
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</tbody>
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Select from the following:

- **MAPX302**: 3 Differential Equations
- **MAPX305**: 3 Different Equations for Engineers
- **ECHX301**: 3 Intro to Process Analysis and Design

**Natural Sciences:**

- **CHMX045C**: 4 Chemistry I & lab
  - Take both courses: CHMX045/045L
- **PHYX048C**: 5
  - Take all of the following:
    - **PHYX048**: 4
      - Select from the following:
        - **PHYX048L**: 1
        - **PHYX0064L**: 1
  - **PHYX049C**: 5 Physics Laboratory II
    - Take all of the following:
      - **PHYX049**: 4
        - Select from the following:
          - **PHYX049L**: 1
          - **PHYX0064L**: 1

- **CHMX046C**: 4
  - Take both courses:
    - CHMX046/046L

- **CHMX210C**: 1 General Biology I and Laboratory
  - Take the following:
    - **BSCX010**: 3
      - Select from the following:
        - **BSCX010L**: 1
        - **BSCX044L**: 1

- **CHMX211C**: 4 Organic Chemistry I with lab
  - Take both:
    - **CHMX210/210L**: 3

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(1) UF requires CHMX217 or both CHMX210 and CHMX211.
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