**Program:** Computer & Information Science  
**CIP:** 11.0101  
**Computer Science**  
**Track:** 1/6  
**Offered At:** FAMU, FAU, FIU, UCF, UF, UNF, USF, UWF  
**Program Length:** 120 Cr. Hrs.  

REVISED 2/25/09  
NOTE: At USF, these are the common prerequisites for Computer Science EN BCS. The USF Computer Information Systems EN EIF program is in CIP 11.0401 Track 1. The USF Computer Engineering EN ECP track is in 14.0901 Track 1.  
Revised 10/28/09  
Added course option 10/23/2013

### LOWER LEVEL COURSES

<table>
<thead>
<tr>
<th><strong>COPXXXX (1)</strong></th>
<th><strong>Cr. Hrs.</strong></th>
<th><strong>Gen.Ed</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Take one of the following:</td>
<td>3</td>
<td>Yes</td>
</tr>
<tr>
<td>Or MACX311</td>
<td>4</td>
<td>Calculus I</td>
</tr>
<tr>
<td>Or MACX281</td>
<td>4</td>
<td>Calculus II</td>
</tr>
<tr>
<td>Or MACX312</td>
<td>4</td>
<td>Calculus II</td>
</tr>
<tr>
<td>Or MACX282</td>
<td>4</td>
<td>Calculus II</td>
</tr>
<tr>
<td>Or PHYX048/X048L</td>
<td>4</td>
<td>Physics I and Lab</td>
</tr>
<tr>
<td>Or PHYX049C</td>
<td>4</td>
<td>General Physics I w/ Lab</td>
</tr>
<tr>
<td>Or PHYX049/X049L</td>
<td>4</td>
<td>Physics II and Lab</td>
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<tr>
<td>Or PHYX049C</td>
<td>4</td>
<td>General Physics II w/ Lab</td>
</tr>
<tr>
<td>XXXXXXX (2)</td>
<td>6</td>
<td>Yes</td>
</tr>
</tbody>
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**FOR ALL MAJORS:** Students are strongly encouraged to select required lower division electives that will enhance their general education coursework and that will support their intended baccalaureate degree program. Students should consult with an academic advisor in their major degree area.

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1. Intro Programming in C, C++, JAVA, or equivalent language. Choose programming language required by the university to which the student wishes to transfer.

2. Science course for science majors. Universities may have individual specific grade requirements for each prerequisite course. Consult the program for details.