Program: Mathematics, General  
CIP: 27.0101
Track: 1/4
Program Length: 120 Cr. Hrs.

Offered At: FAMU, FAU, FGCU, FIU, FSU, UCF, UF, UNF, USF, UWF

REVISED 10/22/08  
REVISED 2/24/2010  
Removed limited access 5/22/2013  
Revised 6/12/2019  
Technical addition 8/26/2019  
Technical 9/23/2019

LOWER LEVEL COURSES

<table>
<thead>
<tr>
<th>Course</th>
<th>Cr. Hrs.</th>
<th>Gen.Ed**</th>
</tr>
</thead>
<tbody>
<tr>
<td>MACX311</td>
<td>4</td>
<td>Calculus I</td>
</tr>
<tr>
<td>MACX312</td>
<td>4</td>
<td>Calculus w/ Analytic Geometry II</td>
</tr>
<tr>
<td>MACX313</td>
<td>4</td>
<td>Calculus w/ Analytic Geometry III</td>
</tr>
<tr>
<td>BSCX010C</td>
<td>3</td>
<td>Programming in C for Engineers</td>
</tr>
<tr>
<td>CHMX045C</td>
<td>3</td>
<td>Introduction to Computation and Programming</td>
</tr>
<tr>
<td>PHYX048C</td>
<td>3</td>
<td>Pascal Programming I</td>
</tr>
<tr>
<td>GLYX010C</td>
<td>3</td>
<td>C/C++/JAVA Programming</td>
</tr>
<tr>
<td>MAPX302</td>
<td>4</td>
<td>Intro to Computer Science</td>
</tr>
</tbody>
</table>

Select one from the following: (1)

- COPX271C 3
- COPX210 3
- COPX270
- COPX272C
- COPX001
- COPX500
- COPX006

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.

(1) a scientific programming course designed for computer science majors
(2) one laboratory based science course designed for science majors

NOTE that all universities require a 'C' grade or better for admission.