### B.S. in SOFTWARE ENGINEERING

#### Suggested 4-Year Academic Flowchart

**2011-13 Catalog**

#### FRESHMAN

**Fall**
- Intro Computing CPE/CSC 123 (4) (Basic Computer Literacy)
- CHM 124 (4)
- CHM 125 (4)
- ENGL 133/134 (4) *
- PSY 201 or 202 (4)
- GE (4) *

**Winter**
- Intro Computing CPE/CSC 101 (4) *
- Calculus I MATH 141 (4) *
- Calculus II MATH 142 (4) *
- Calculus III MATH 143 (4) *
- Calculus IV MATH 241 (4)
- Calculus IV MATH 145
- ENGL 149 (4) * (Completion of GE A1 with C- or better) [A3]

**Spring**
- Calculus III MATH 143 (4) *
- Calculus II MATH 142 (4) *
- Calculus I MATH 141 (4) *
- Intro to Op. Syst. CSC/CPE 302 (4) (Pre-Requisite)
- Intro to Systems Design CSC/CPE 305 (4)
- PSY 201 or 202 (4)
- GE (4) *

**Notes:**
- MOST GENERAL EDUCATION COURSES CAN BE TAKEN IN ANY ORDER AS LONG AS PREREQUISITES ARE MET
  - * Refer to current catalog for prerequisites.
  - *One course from each of the following GE areas must be completed: A1, A2, C1, C2, C3, C4, D1, D2, D3. C4 should be taken only after Junior standing is reached (90 units).
  - Refer to online catalog for GE course selection, United States Cultural Pluralism (USCP) and Graduation Writing Requirement (GWR).
  - USCP requirement can be satisfied by some (but not all) courses within GE categories: C3, C4, D1, or D3.
  - *** Refer to current catalog for course selection.
  - † Course can be taken previously or concurrently.

#### SOPHOMORE

**Fall**
- Panel Comp Sci I CPE/CSC 103 (4) (CSC 103 w/ ≥ C, MATH 141 w/ ≥ C, or instr. consent)
- Panel Comp Sci II CPE/CSC 225 (4) (CSC 102)
- Panel Comp Sci III CPE/CSC 301 (4) (CSC 102)
- Panel Comp Sci IV CPE/CSC 357 (4) (CSC 102)
- Panel Comp Sci V CPE/CSC 357 (4) (CSC 102)
- Panel Comp Sci VI CPE/CSC 301 (4) (CSC 102)
- Panel Comp Sci VII CPE/CSC 301 (4) (CSC 102)

**Winter**
- Panel Comp Sci III CPE/CSC 225 (4) (CSC 102)
- Panel Comp Sci IV CPE/CSC 301 (4) (CSC 102)
- Panel Comp Sci V CPE/CSC 301 (4) (CSC 102)
- Panel Comp Sci VI CPE/CSC 301 (4) (CSC 102)
- Panel Comp Sci VII CPE/CSC 301 (4) (CSC 102)
- Panel Comp Sci VIII CPE/CSC 301 (4) (CSC 102)

**Spring**
- Panel Comp Sci I CPE/CSC 103 (4) (CSC 103 w/ ≥ C, MATH 141 w/ ≥ C, or instr. consent)
- Panel Comp Sci II CPE/CSC 225 (4) (CSC 102)
- Panel Comp Sci III CPE/CSC 301 (4) (CSC 102)
- Panel Comp Sci IV CPE/CSC 301 (4) (CSC 102)
- Panel Comp Sci V CPE/CSC 301 (4) (CSC 102)
- Panel Comp Sci VI CPE/CSC 301 (4) (CSC 102)
- Panel Comp Sci VII CPE/CSC 301 (4) (CSC 102)

#### JUNIOR

**Fall**
- Winter
- Spring

#### SENIOR

**Fall**
- Winter
- Spring

**Notes:**
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  - * Refer to current catalog for prerequisites.
  - *One course from each of the following GE areas must be completed: A1, A2, C1, C2, C3, C4, D1, D2, D3. C4 should be taken only after Junior standing is reached (90 units).
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**Legend:**

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Course # (Units)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Major (97)</td>
<td></td>
</tr>
<tr>
<td>Support (59)</td>
<td></td>
</tr>
<tr>
<td>General Ed. (36)</td>
<td></td>
</tr>
</tbody>
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**TOTAL:** 192