## Computer Science, B.S. (120 Units)

Valid for Catalog Years: 2015/2016 to 2017/2018  
*Official planning guide approved by the College of Science & Math

For assistance or to schedule an advising appointment, please contact the CSM Advising and Resources Center at 559-278-4150, Science I 136  
Department of Computer Science: 559-278-4373, Science II C255

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<th>Freshman</th>
<th>Sophomore</th>
<th>Junior</th>
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<td><strong>Units</strong></td>
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<td><strong>General Education</strong></td>
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| | A1 (3 Units) Oral Communication  
  *Must pass with a C or better | A2 (3 Units) Written Communication  
  *Must pass with a C or better | C1 (3-4 Units) Arts | B2 (3-4 Units) Life Sciences | C2 (3-4 Units) Humanities | D1 (3 Units) American History | D3 (3 Units) Social Science | IC (3-4 Units) Arts & Humanities |
| | A3 (3 Units) Critical Thinking  
  *Must pass with a C or better; CSCI 1 recommended | | C1/C2 (3-4 Units) Arts or Humanities | | | | | |
| **GE Area B4** | MATH 75 (4 Units) Quantitative Reasoning  
  [Pre-Req: Elementary geometry, intermediate algebra, & trigonometry OR precalculus. Passing score on department's Calculus Readiness Test; ELM] | CSCI 41 (4 Units) [Pre-Req: CSCI 40] | GE Area B1 & B3 PHYS 2A or PHYS 4A & 4AL (4 Units) Physical Sciences & Lab  
  *See course catalog for prerequisite requirements | CSCI 112 (4 Units) [Pre-Req: CSCI 41, 60] | CSCI 113 (4 Units) [Pre-Req: CSCI 41] | CSCI Elective (3 Units) *See course catalog for details | CSCI Elective (3 Units) *See course catalog for details | CSCI 198 (3 Units)  
  [Senior standing or instructor permission and approved subject]  
  or  
  Additional course in one of the approved sequences (3 Units)  
  *See course catalog for details |
| | | | | | | | | |
| **Major** | CSCI 40 (4 Units) [Pre-Req: ELM or College Intermediate Algebra (C or better); trigonometry] | CSCI 60 (4 Units) [Pre-Req: CSCI 40 (may be taken concurrently)] | CSCI 117 (4 Units) [Pre-Req: CSCI 41, 60] | CSCI 115 (4 Units) [Pre-Req: CSCI 41, 60; MATH 75] | CSCI 144 (3 Units) [Pre-Req: CSCI 41; CSCI 112 or ECE 118] | CSCI Elective (3 Units) *See course catalog for details | CSCI Elective (3 Units) *See course catalog for details | CSCI Elective (3 Units) *See course catalog for details |
| | | | | | | | | |
| **Sophomore** | | | | | | | | |
| **GE Area A1** | | | | | | | | |
| | Oral Communication  
  *Must pass with a C or better | | | | | | | |
| **GE Area B2** | Written Communication  
  *Must pass with a C or better | | | | | | | |
| **GE Area B3** | Critical Thinking  
  *Must pass with a C or better; CSCI 1 recommended | | | | | | | |
| | Arts or Humanities | | | | | | | |
| | American History | | | | | | | |
| | Social Science | | | | | | | |
| **GE Area B4** | GE Area B1 & B3 PHYS 2A or PHYS 4A & 4AL (4 Units) Physical Sciences & Lab  
  *See course catalog for prerequisite requirements | | | | | | | |
| | Arts or Humanities | | | | | | | |
| | American Government | | | | | | | |
| | Lifelong Understanding & Self Development | | | | | | | |
| | Lifelong Understanding & Self Development | | | | | | | |
| | Multicultural/International | | | | | | | |
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| Major    | MATH 76 (4 Units)  
[Pre-Req: MATH 75 or MATH 75A & B]  
CSCI 119 (4 Units)  
[Pre-Req: CSCI 41, 60]  
PHYS 2B or PHYS 4B & 4BL (4 Units)  
*See course catalog for prerequisite requirements  
CSCI Elective (3 Units)  
*See course catalog for details  
CSCI Elective (3 Units)  
*See course catalog for details |
| Electives |          | UDWS (0-4 Units)  
*Upper Division Writing Exam OR "W"  
Course (must pass with a C or better) |

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**FOOTNOTES:**

**Prerequisites/Corequisites:** Other restrictions may apply. Please see your course catalog for detailed prerequisite/corequisite requirements.

**Grade Requirements:** All courses taken to fulfill major course requirements must be taken for a letter grade. All courses required as prerequisites for a course must be completed with a grade of C or better before registration will be permitted.

**Upper Division Writing Skills requirement (UDWS):** All undergraduate students must demonstrate competency in writing skills by passing the Upper Division Writing Exam (UDWE) or by obtaining a C or better in an approved upper division writing course, identified by the letter "W."