## Computer Science B.S. Degree, Computers and Business Concentration

### 2018 Catalog

<table>
<thead>
<tr>
<th>FALL</th>
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<tbody>
<tr>
<td><strong>Course Title</strong></td>
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<tr>
<td>COSC 1010</td>
<td>Intro. to Computer Science I</td>
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<td>COSC 1101</td>
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<td>Human Culture Elec. 1 (H)</td>
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### Year 2

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<tr>
<td>COSC 2030</td>
<td>Computer Science II</td>
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<td>MATH 2300</td>
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<td>COSC 2150(F)</td>
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### Year 3

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<tr>
<td><strong>Course Title</strong></td>
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### Year 4

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<td>COSC 4950(F)</td>
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See important notes on reverse side.
Notes

1. Courses in italics indicate choices. E.g., a student may take either COSC 4820 or COSC 4760 to satisfy the Systems Course requirement. The flowchart may make one choice, which can be freely substituted. But keep in mind that some courses are only offered in the Fall or Spring.

2. Must take a minimum of 30 credit hours of Math/Stats/Science.

3. Must take a minimum of 120 credit hours, at least 42 at the 3000 or 4000 level.

4. COSC 2300 is cross-listed with MATH 2300.

5. General electives include any course at or above the 1000 level. They can be used to reach minimum number of hours required for graduation (See Note 3).

6. All COSC and MATH courses require a minimum of C. C- is not sufficient.

7. MATH/Science Electives: Four additional hours of MATH or science course work. Courses at or above MATH 2205 or STAT 3000 level may be used for electives. Exceptions Cannot count MATH 2205, MATH 2350, MATH 2355, MATH 4000, or any variable-credit course towards this requirement. Science electives: Current listing of approved courses is available in the department web pages. If the USP PN requirement has not already been met, then a USP PN approved course is required.

8. COSC Electives: Total of 12 hours of COSC classes at or above the 3000 level. At most 3 hours of COSC 3970 (Internship) can be counted towards total hours.

9. STAT Menu: STAT 2010, STAT 2050, or STAT 2070.

10. Systems Course: Choose either COSC 4760 Networks (Prerequisite COSC 2030) or COSC 4820 Databases (Prerequisite COSC 2030).

11. Theory Course: Choose either COSC 4100 Foundations (Prerequisite COSC 3020) or COSC 4200 Computability & Complexity (Prerequisite COSC 3020).

12. Programming Language Course: Choose either COSC 4780 Principles of Programming Languages (Prerequisite COSC 3015) or COSC 4785 Compiler Construction (Prerequisite COSC 3020).

13. Operating Systems Course: Choose either COSC 3750 Linux Programming (Prerequisite COSC 3020) or COSC 4740 Operating Systems (Prerequisite COSC 3020).

Legend

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<th>University Requirements</th>
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<td>Computer Science Core and Electives</td>
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<tr>
<td>Programming Languages Requirement</td>
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<td>Systems Requirement</td>
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<td>Operating Systems Requirement</td>
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<tr>
<td>Computer Science Theory Requirement</td>
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<td>ABET Math and Science Requirements</td>
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<td>Concentration Requirements</td>
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