MINOR IN COMPUTING APPLICATIONS

As computing applications are present in virtually all aspects of our lives, we have seen a drastic increase in the number and types of opportunities that creatively merge computing technologies with existing non-computational practices and professions. To meet this demand, the Computing Application Minor offers pathways to learning to build effective computing applications, such as for web and mobile platforms, through an interdisciplinary curriculum geared towards non-CS major students. Students will be introduced to computer programming and web application development and build engineering, scientific, and creative applications.

Please review course descriptions for prerequisite courses and consult with a computer science department advisor for further information.

Computing Applications Minor – 15 units

Required Courses (9 units)

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<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
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<tbody>
<tr>
<td></td>
<td><strong>Introductory Programming Course</strong></td>
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<td></td>
<td>CSC 210 Introduction to Computer Programming</td>
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<td>CSC 306 An Interdisciplinary Approach to Computer Programming</td>
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<td>CSC 309 Computer Programming</td>
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<td><strong>Data Structures Course</strong></td>
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<td>CSC 219 Data Structures for Data Science Application Development</td>
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<td></td>
<td><strong>Introductory Web Application Course</strong></td>
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<td>CSC 307 An Interdisciplinary Approach to Web Programming</td>
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<td>CSC 308 Introduction to Machine Learning for Interdisciplinary Data Scientists</td>
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<td>CSC 317 Introduction to Web Software Development</td>
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Electivs (6 units)

Select two 400 or higher computer science courses on approval of a computer science minor advisor. Electives may include, but are not limited to, two CSC 698 Variable Topics and/or CSC 699 Independent Study courses as examples.