DIGITAL INFORMATION AND APPLICATIONS MINOR

The Applied Digital Studies Minor requires a total of 6 courses or 5 courses plus an internship or research project. Please note, a minimum of one half of the courses taken must be courses not counted within the student’s major (particularly applies to Computer Science and Economics students). In addition, the optional internship or research project may be done after at least 4 courses in the minor are complete, and the research project must use methods from the minor.

Curriculum

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSC 111 &amp; 111L</td>
<td>Introduction to Programming and Introduction to Programming Laboratory</td>
<td>4</td>
</tr>
<tr>
<td>Select one of the following statistical courses:</td>
<td>3-4</td>
<td></td>
</tr>
<tr>
<td>ECO 255</td>
<td>Business Statistics</td>
<td></td>
</tr>
<tr>
<td>MAT 131</td>
<td>Statistics for Social Sciences</td>
<td></td>
</tr>
<tr>
<td>MAT 141</td>
<td>Inferential Statistics and Computers for Science</td>
<td></td>
</tr>
<tr>
<td>MAT 351</td>
<td>Probability &amp; Statistics I</td>
<td></td>
</tr>
<tr>
<td>Select one course from the Math, Science, and Logic electives listed below</td>
<td>3-4</td>
<td></td>
</tr>
<tr>
<td>One additional course from the Application of Technology electives listed below</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Choose one of the following:</td>
<td>0-3</td>
<td></td>
</tr>
<tr>
<td>One additional course from either group of electives</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CSC 480</td>
<td>Research Experience</td>
<td></td>
</tr>
<tr>
<td>CSC 481</td>
<td>Research Experience</td>
<td></td>
</tr>
<tr>
<td>CSC 497</td>
<td>Internship</td>
<td>1-3</td>
</tr>
<tr>
<td>Total Credits</td>
<td></td>
<td>17-24</td>
</tr>
</tbody>
</table>

Math, Science, and Logic Electives (select at least one course)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSC 112 &amp; 112L</td>
<td>Data Structures and Data Structures Laboratory</td>
<td>4</td>
</tr>
<tr>
<td>CSC 310</td>
<td>Information Organization and Processing</td>
<td>3</td>
</tr>
<tr>
<td>ECO 310</td>
<td>Introduction to Geographic Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>ECO 256</td>
<td>Business Analytics</td>
<td>3</td>
</tr>
<tr>
<td>MAT 191</td>
<td>Introduction to Discrete Mathematics</td>
<td>4</td>
</tr>
<tr>
<td>MAT 219</td>
<td>Linear Algebra</td>
<td>4</td>
</tr>
<tr>
<td>MAT 352</td>
<td>Probability &amp; Statistics II</td>
<td>3</td>
</tr>
<tr>
<td>PHI 225</td>
<td>Logic</td>
<td>3</td>
</tr>
<tr>
<td>SOC 315</td>
<td>Geographical Information Systems (GIS) for the Social Sciences</td>
<td>3</td>
</tr>
</tbody>
</table>

Application of Technology Electives (select at least one course)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSC 108</td>
<td>Introduction to Web Computing</td>
<td>3</td>
</tr>
<tr>
<td>CSC 310</td>
<td>Information Organization and Processing</td>
<td>3</td>
</tr>
<tr>
<td>CSC 320</td>
<td>The Social Impact of Computing</td>
<td>3</td>
</tr>
</tbody>
</table>

Roadmap

This minor can be useful for various majors. For example, a student majoring in history may be interested in pursuing a field of study in forming and maintaining databases. An English major may be interested in pursuing a career in web-based media. The following roadmaps provide examples of courses that would be useful for students in these majors.

The following roadmaps are provided as examples based on different majors and courses of study. Students interested in the minor are strongly encouraged to speak with Dr. David Sheets, the coordinator of the program, for an individualized plan.

**History Major Sample Roadmap**

**Sophomore**

Fall

- CSC 111 & 111L

Spring

- CSC 112 & 112L

**Junior**

Fall

- MAT 131

Spring

- CSC 310 & 310L

**Senior**

Fall

- PHI 225

Spring

- PHI 246

**English Major Sample Roadmap**

**Sophomore**

Fall

- MAT 131

Spring

- PHI 225

**Junior**

Fall

- CSC 111 & 111L

Spring

- DMA 201

**Senior**

Fall

- DMA 442

Spring

- CSC 108 & 108L