# COMPUTER SCIENCE, LIBERAL ARTS EMPHASIS, MINOR

Liberal Arts (Code 170-401)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 145</td>
<td>Programming for New Programmers</td>
<td>4</td>
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<tr>
<td>or CS 148</td>
<td>Programming for Experienced Programmers</td>
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<tr>
<td>CS 245</td>
<td>Advanced Programming and Data Structures</td>
<td>4</td>
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<tr>
<td>CS 252</td>
<td>Computer Systems</td>
<td>4</td>
</tr>
<tr>
<td>CS 260</td>
<td>Database Systems</td>
<td>4</td>
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</tbody>
</table>

Twenty-four semester credits, including:

Nine credits selected from:

- CS 268  Web Systems
- CS 278  Digital System Design
- CS 291  Special Topics
- CS 321  Web Design and Development
- CS 335  Algorithms
- CS 370  Computer Security
- CS 376  Cryptography and Network Security
- CS 388  UNIX Systems Programming
- CS 399  Independent Study - Juniors
- CS 420  Artificial Intelligence
- CS 436  Mobile Software Development
- CS 450  Theory of Computation
- CS 455  Computer Graphics
- CS 462  Computer Networks
- CS 491  Special Topics
- CS 498  Computer Science Internship

or other courses designated by the department and not already included in the minor.

Note: The Satisfactory/Unsatisfactory option may not be elected to satisfy a course requirement at the 200 level or higher for the major or minor programs, except for CS 490.