This minor provides the academic background in the application of computers to scientific and engineering problems and prepares students for graduate study in computer-related disciplines.

**About this Program**
- **College:** Herbert Wertheim College of Engineering (http://catalog.ufl.edu/UGRD/colleges-schools/UGENG/)
- **Credits:** 20-24 | Completed with minimum grades of C

**Department Information**
The mission of the Department of Computer & Information Science & Engineering is to educate students, as well as the broader campus community, in the fundamental concepts of the computing discipline; to create and disseminate computing knowledge and technology; and to use expertise in computing to help society solve problems.

Website (https://www.cise.ufl.edu)

**CONTACT**
352.392.1090
Email (ugadvisors@cise.ufl.edu)

P.O. Box 116120
E301 CSE BUILDING
GAINESVILLE FL 32611-6120
Map (http://campusmap.ufl.edu/#/index/0042)

**Curriculum**
- Combination Degrees
- Computer and Information Science and Engineering Minor
- Computer and Information Science and Engineering Minor UF Online
- Computer Science UF Online
- Computer Science | CLAS
- Computer Science | Herbert Wertheim College of Engineering
- Digital Arts and Sciences | Bachelor of Science

This minor requires a minimum 2.5 grade point average to apply for admission.

**Majors Not Eligible for this Minor**
- Computer engineering, computer science, and digital arts and sciences majors (CEN, CSE, CEE, DAS) in the CISE and ECE departments
- Computer science majors (CSC) in the College of Liberal Arts and Sciences

**Required Courses**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>CDA 3101</td>
<td>Introduction to Computer Organization</td>
<td>3</td>
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<td>Select one:</td>
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<td>4-8</td>
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<tr>
<td>COP 3502C &amp; COP 3503C</td>
<td>Programming Fundamentals 1 and Programming Fundamentals 2</td>
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<tr>
<td>COP 3504C</td>
<td>Advanced Programming Fundamentals for CIS Majors</td>
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<tr>
<td>COP 3530</td>
<td>Data Structures and Algorithm</td>
<td>3</td>
</tr>
<tr>
<td>COP 4600</td>
<td>Operating Systems</td>
<td>3</td>
</tr>
<tr>
<td>COT 3100</td>
<td>Applications of Discrete Structures</td>
<td>3</td>
</tr>
<tr>
<td>MAC 2312</td>
<td>Analytic Geometry and Calculus 2</td>
<td>4</td>
</tr>
</tbody>
</table>

**Total Credits** 20-24

*At least three of the CDA, CIS, COP, and COT courses must be taken at UF.*