COMPUTER AND INFORMATION SCIENCE AND ENGINEERING MINOR UF ONLINE

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/)

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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>
</tr>
<tr>
<td>COP 3502C</td>
<td>Programming Fundamentals 1</td>
<td></td>
</tr>
<tr>
<td>COP 3503C</td>
<td>Programming Fundamentals 2</td>
<td></td>
</tr>
<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>
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<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>
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</tbody>
</table>

**Total Credits** 20-24

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