CIS Minor Requirements

<table>
<thead>
<tr>
<th>Prerequisites</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Math 1151 Calculus I</td>
<td>5</td>
</tr>
</tbody>
</table>

Choose one of the following:

- CSE 1222 Introduction to Computer Programming in C++ for Engineers and Scientists 3
- CSE 1223 Introduction to Computer Programming in Java 3

Minor Program (must have at least 12 unique hours apart from major)

**Required Courses – Minimum C- for a course to be listed on the minor**

- CSE 2122 or CSE 2123 Data Structures Using C++ or Data Structures Using Java 3
- CSE 2321 Foundations I: Discrete Structures 3
- CSE 3430 Overview of Computer Systems For Non-Majors 4

Elective Course (choose at least 6 hours meeting the following criteria)

- Any CSE course 2133, 2331 or 3000-level and above
- At most 2 hours of CSE 4251-4256

Recommended Courses: CSE 2133 (Java track only), 2331, 3241, 4471, 5052

- Please note that you are unlikely to be able to get into any electives other than these.
- CSE 2231 is waived as a prerequisite. You do not need to take it as a CIS minor. E-mail ugadvising@cse.ohio-state.edu if you have trouble enrolling in or waitlisting these courses.

Note: CSE 3430 and minor electives can be taken in the same semester or separate semesters.

Rev 11/8/21