COMPUTER SCIENCE MINOR

https://ceps.unh.edu/computer-science/program/minor/computer-science

Description

The minor in computer science is designed for students in other majors who want to learn the fundamentals of designing and implementing computer software.

Students should declare their intent to earn a minor as early as possible and no later than the end of the junior year. During the final term, an application should be made to the dean of the student’s major college to have the minor shown on the academic record. Students must consult with their major adviser and also the minor supervisor.

Requirements

Credit toward the minor will be given only for courses passed with C- or better, and a 2.0 grade-point average must be maintained in courses for the minor. Courses taken on the pass/fail basis may not be used for the minor.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Requirements</td>
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<tr>
<td>CS 415</td>
<td>Introduction to Computer Science I</td>
<td>4</td>
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<tr>
<td>or CS 410C</td>
<td>Introduction to Scientific Programming/C</td>
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<tr>
<td>or CS 410P</td>
<td>Introduction to Scientific Programming/Python</td>
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<tr>
<td>CS 416</td>
<td>Introduction to Computer Science II</td>
<td>4</td>
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<td>or CS 417</td>
<td>From Programs to Computer Science</td>
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<tr>
<td>CS 420</td>
<td>Foundations of Programming for Digital Systems</td>
<td>4</td>
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<tr>
<td>CS 515</td>
<td>Data Structures and Introduction to Algorithms</td>
<td>4</td>
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Other Courses

Select one of the following:

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<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>CS 619</td>
<td>Introduction to Object-Oriented Design and Development</td>
<td>4</td>
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<tr>
<td>CS 520</td>
<td>Computer Organization and System-Level Programming</td>
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<tr>
<td>CS 620</td>
<td>Operating System Fundamentals</td>
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<tr>
<td>CS 659</td>
<td>Introduction to the Theory of Computation ¹</td>
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<tr>
<td>CS 761</td>
<td>Programming Language Concepts and Features</td>
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¹ CS 659 Introduction to the Theory of Computation has mathematics prerequisites: MATH 425 Calculus I, MATH 426 Calculus II, and MATH 531 Mathematical Proof.