# COMPUTER INFORMATION SYSTEMS MINOR

https://manchester.unh.edu/academics/degree-programs/computer-information-systems-minor

## Description

The minor requires five COMP courses (20 credit hours). Students must earn grades of at least C- in each course and maintain an overall GPA of 2.0 in minor courses. Transfer students may transfer up to two courses, subject to the approval of the minor supervisor. Courses taken on a pass/fail basis may not be used for the minor. No more than 8 credits used by the student to satisfy major requirements may be used in the minor.

## Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Select three of the following:</td>
<td></td>
<td>12</td>
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<tr>
<td>COMP 405</td>
<td>Introduction to Internet and Web Authoring</td>
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<tr>
<td>COMP 415</td>
<td>Mobile Computing First and For Most</td>
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<tr>
<td>COMP 425</td>
<td>Introduction to Programming</td>
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<tr>
<td>COMP 430</td>
<td>Systems Fundamentals</td>
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<tr>
<td>COMP 500</td>
<td>Discrete Structures</td>
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<td>Select two of the following:</td>
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<tr>
<td>COMP #515</td>
<td>Multimedia: Introduction and Applications</td>
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<tr>
<td>COMP 520</td>
<td>Database Design and Development</td>
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<tr>
<td>COMP 525</td>
<td>Data Structures Fundamentals</td>
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<tr>
<td>COMP 530</td>
<td>Machine and Network Architecture</td>
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<td>COMP 550</td>
<td>Networking Concepts</td>
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<td>COMP 650</td>
<td>Network Administration and Maintenance</td>
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<td>COMP 625</td>
<td>Data Structures and Algorithms</td>
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<td>COMP 640</td>
<td>Human Computer Interaction</td>
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<td>COMP 698</td>
<td>Special Topics (Systems Software)</td>
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<tr>
<td>COMP 705</td>
<td>Web Application Development</td>
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<td>COMP 715</td>
<td>Information Security</td>
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<tr>
<td>COMP 720</td>
<td>Database Application Development</td>
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</tbody>
</table>

Total Credits: 20

Other 600- or 700-level COMP courses may be substituted with the permission of the minor supervisor. Students must seek permission of the minor supervisor to enroll in courses that have prerequisites.

For more information, contact Michael Jonas, minor supervisor, at (603) 641-4352 or michael.jonas@unh.edu.