MINOR IN INFORMATION SYSTEMS

All Information Systems minors are required to take 20 units in computer science and information systems. At least half must be taken at Towson University. Students cannot major in Computer Science or Information Technology and minor in Information Systems.

All courses that count toward the minor must be completed with a grade equivalent of 2.00 or higher.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td><strong>Required CIS/COSC Courses</strong></td>
<td></td>
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<tr>
<td>CIS 211</td>
<td>FUNDAMENTALS OF INFORMATION SYSTEMS &amp; TECHNOLOGY</td>
<td>3</td>
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<tr>
<td>COSC 236</td>
<td>INTRODUCTION TO COMPUTER SCIENCE I</td>
<td>4</td>
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<tr>
<td>COSC 237</td>
<td>INTRODUCTION TO COMPUTER SCIENCE II</td>
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<tr>
<td><strong>Elective CIS/COSC Courses</strong></td>
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<tr>
<td>Select at least three of the following:</td>
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<tr>
<td>CIS 334</td>
<td>DATA ORGANIZATION</td>
<td></td>
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<tr>
<td>CIS 350</td>
<td>TELECOMMUNICATIONS</td>
<td></td>
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<tr>
<td>CIS 377</td>
<td>INTRODUCTION TO CYBERSECURITY</td>
<td></td>
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<tr>
<td>CIS 379</td>
<td>SYSTEMS ANALYSIS AND DESIGN</td>
<td></td>
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<tr>
<td>CIS 397</td>
<td>INTERNSHIP IN CIS</td>
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<tr>
<td>COSC 412</td>
<td>SOFTWARE ENGINEERING</td>
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<td>CIS 425</td>
<td>DECISION SUPPORT SYSTEMS</td>
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<td>CIS 433</td>
<td>SELECT TOPICS INFO SYST</td>
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<td>CIS 435</td>
<td>HUMAN-COMPUTER INTERACTION</td>
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<td>CIS 440</td>
<td>SYSTEM DEVELOPMENT / E-COMMERCE</td>
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<td>CIS 445</td>
<td>UNIVERSAL USBILITY: DESIGNING COMPUTER INTERFACES FOR BLIND USERS</td>
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<td>CIS 458</td>
<td>ORGANIZATIONAL DATABASE MANAGEMENT</td>
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<tr>
<td>COSC 461</td>
<td>ARTIFICIAL INTELLIGENCE</td>
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<td>COSC 471</td>
<td>COMPUTER GRAPHICS</td>
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<td>CIS 475</td>
<td>INFORMATION SYSTEMS CAPSTONE</td>
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<tr>
<td>or COSC 484</td>
<td>WEB-BASED PROGRAM</td>
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<td>CIS 479</td>
<td>SOFTWARE PROJECT MNGT</td>
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<td>CIS 495</td>
<td>INDEPENDENT STUDY IN COMPUTER INFORMATION SYSTEMS</td>
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<td>One course from outside CIS/COSC may be used if it is first approved by the Department of Computer and Information Sciences</td>
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</table>

Total Units: 20

1 COSC 175 is a prerequisite for COSC 236.