MINOR IN INFORMATION SYSTEMS

All Information Systems minors are required to take 20 units in computer science and information systems to be completed with a grade equivalent of 2.00 or higher. At least half must be taken at Towson University. Students cannot major in Computer Science or Information Technology and minor in Information Systems.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>CIS 211</td>
<td>FUNDAMENTALS OF INFORMATION SYSTEMS &amp; TECHNOLOGY</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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**Elective CIS/COSC Courses**

Select at least three of the following: 9

<table>
<thead>
<tr>
<th>Code</th>
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<tr>
<td>CIS 334</td>
<td>DATA ORGANIZATION</td>
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<tr>
<td>CIS 350</td>
<td>TELECOMMUNICATIONS</td>
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<tr>
<td>CIS 377</td>
<td>INTRODUCTION TO CYBERSECURITY</td>
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<td>CIS 379</td>
<td>SYSTEMS ANALYSIS AND DESIGN</td>
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<td>CIS 397</td>
<td>INTERNSHIP IN CIS</td>
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<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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<tr>
<td>CIS 445</td>
<td>UNIVERSAL USABILITY, DESIGNING COMPUTER INTERFACES FOR BLIND USERS</td>
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<td>CIS 458</td>
<td>ORGANIZATIONAL DATABASE MANAGEMENT</td>
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<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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<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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**Total Units** 20

1 COSC 175 is a prerequisite for COSC 236.