## 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>
<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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### Elective CIS/COSC Courses

Select at least three of the following:

- CIS 334 DATA ORGANIZATION
- CIS 350 TELECOMMUNICATIONS
- CIS 377 INFORMATION SYSTEMS SECURITY
- CIS 379 SYSTEMS ANALYSIS AND DESIGN
- CIS 397 INTERNSHIP IN CIS
- COSC 412 SOFTWARE ENGINEERING
- CIS 425 DECISION SUPPORT SYSTEMS
- CIS 433 SELECT TOPICS INFO SYST
- CIS 435 HUMAN-COMPUTER INTERACTION
- CIS 440 SYSTEM DEVELOPMENT / E-COMMERCE
- CIS 445 UNIVERSAL USABILITY: DESIGNING COMPUTER INTERFACES FOR BLIND USERS
- CIS 458 ORGANIZATIONAL DATABASE MANAGEMENT
- COSC 461 ARTIFICIAL INTELLIGENCE
- COSC 471 COMPUTER GRAPHICS
- COSC 475 INFORMATION SYSTEMS CAPSTONE
  or COSC 484 WEB-BASED PROGRAM
- CIS 479 SOFTWARE PROJECT MNGT
- CIS 495 INDEPENDENT STUDY IN COMPUTER INFORMATION SYSTEMS

One course from outside CIS/COSC may be used if it is first approved by the Department of Computer and Information Sciences.

Total Units 20

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1 COSC 175 is a prerequisite for COSC 236.