M.S. in Computer Information Systems

Computer Information Systems

Program Director

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The Master of Science in Computer Information Systems program prepare students to manage a software development project from analysis, design, implementation, testing and maintenance to management of quality, budgets, deliverables and deadlines. This program requires two business (BA) courses. The program is designed to provide a deep understanding of the hardware and software components of computer systems and the following:

- Hardware organization
- Data communication and databases
- Software requirements analysis
- Software design methodologies
- Software implementation and testing

Professors in these programs have expertise in

- Artificial intelligence,
- Computer security/cybersecurity,
- Game development and simulation, and
- Programming languages.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Hours</th>
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<tbody>
<tr>
<td>CS 6310</td>
<td>Systems Analysis and Design</td>
<td>3</td>
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<tr>
<td>CS 6320</td>
<td>Files and Database</td>
<td>3</td>
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<tr>
<td>CS 6330</td>
<td>Advanced Computer Networks</td>
<td>3</td>
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<tr>
<td>CS 6340</td>
<td>Advanced Software Engineering</td>
<td>3</td>
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<tr>
<td>CS 6350</td>
<td>Hardware &amp; Operating Systems</td>
<td>3</td>
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<tr>
<td>CS 6395</td>
<td>Project</td>
<td>3</td>
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**Computer Science Electives**
Select any other graduate computer science course (other than the core courses) for a total of 9 (nine) credit hours, typically 3 courses.

**Business Electives**
Select any two 3-credit hour BA classes for which the pre-requisites are met.

Total Semester Hours 33