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.

Click on the course number to view course title and description.

Code	Title	Semester Hours
Computer Information Systems Required Courses		
Core Courses		
CS 6310	Systems Analysis and Design	3
CS 6320	Files and Database	3
CS 6330	Advanced Computer Networks	3
CS 6340	Advanced Software Engineering	3
CS 6350	Hardware & Operating Systems	3
CS 6395	Project	3
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.		9
Business Electives		
Select any two 3-credit hour BA classes for which the pre-requisites are met.		6
Total Semester Hours		**33**

Code	Title	Semester Hours
Computer Information Science Required Courses - Thesis Option		
Core Courses		
CS 6310	Systems Analysis and Design	3
CS 6320	Files and Database	3
CS 6330	Advanced Computer Networks	3
CS 6340	Advanced Software Engineering	3
CS 6350	Hardware & Operating Systems	3
Thesis		
CS 6391	Thesis I	3
CS 6392	Thesis II	3
Computer Science Electives		
Any other graduate computer science course (other than the core courses) for a total of 6 (six) credit hours. This is typically 2 courses.		6

Business Electives

Any two 3-credit hour BA classes for which the pre-requisites are met.	6
Total Semester Hours	**33**