

# Computer Information Systems

## Program Description:

The Computer Information Systems degree program is designed to guide students to an understanding of the role of modern computer systems in a business environment, with an emphasis on the use of technology in the solution of business problems.

The program incorporates the Common Professional Component of the Business Administration degree programs with a strong subset of the Computer Science program, and then adds some carefully chosen courses that specifically focus on computer applications unique to traditional business environments.

## Career Description:

**Systems Analyst** — Designs new computer information systems, analyzes existing systems with an eye toward improving their performance, and studies ways to expand the use of existing systems to serve new purposes. Systems analysts serve as a communications link between corporate management and the technical support specialists.

**Database Administrator** — Works with a company's database management software to design and manage the organization and storage of corporate data. The database administrator is responsible for maintaining the performance, integrity, and security of the database system.

## Computer Information Systems Bachelor of Science

### Departmental Requirements

<b>Business</b>		
ACTG132	Principles of Accounting I	4
ACTG133	Principles of Accounting II	4
BUSN211	Business Statics	3
BUSN231	Business Communications	3
BUSN350	Business Law I	3
BUSN355	Business Law II	3
BUSN466	Business Policy	3
ECON302	Managerial Economics*	4
FINC341	Managerial Finance	4
MRKT281	Marketing Principles and Strategy	3
MGMT360	Principles of Management	3
<b>Computer Science</b>		
CSCI103	Survey of Computer Science	3
CSCI105	Intro. to Computer Programming	3
CSCI121	Principles of Computer Programming	3
CSCI211	Database Applications	3
CSCI221	Computer Networks	3
CSCI312	File and Database Management	3
CSCI313	Distributed Database Systems	3
CSCI341	Discrete Structures for Computer Science	4
CSCI361	Systems Analysis & Design	3
CSCI461	Decision Support & Expert Systems	3
CSCI481	Senior Project I	3
	<i>and</i>	
CSCI491	Senior Projects in Computer Science	3
	<i>or</i>	
CSCI428	Computer Science Co-operative Education I	3
	<i>and</i>	
CSCI429	Computer Science Co-operative Education II	3
	<i>or</i>	
CSCI438	Computer Science Research Project I	3
	<i>and</i>	
CSCI439	Computer Science Research Project II	3
<b>Mathematics</b>		
MATH111	College Algebra*	3
MATH112	Calculus for Business & Life Science**	4
<b>Additional General Education (29-32 credits)</b>		
<b>BS Degree Requirement (8 credits)</b>		
<b>Free Electives (6-7 credits)</b>		
<b>Total Credits: 124</b>		

\*Counts for General Education

\*\*Counts for 4 credits of the BS Degree Requirement.

## Bachelor of Science

### Career Titles:

Systems Analyst

Database Administrator

### Student Profile:

*Do you ...*

enjoy working with computers?

like the challenge of problem-solving?

have an interest in business and management?

have proficiency in written and oral communication?

Bachelor Degrees

### Bachelor of Science Degree:

At least eight (8) semester credits *in addition* to courses used for general education requirements from categories of social science, natural science or mathematics.

*These bachelor of science degree requirements can be used for majors or minors, but not general education.*