

# Computer Information Systems A.A.S.

## Program Description

Computer Information Systems allows students to customize their program. This degree provides students with a broad background in applications. Students can tailor this degree to their prospective career.

## Employment Information

The U.S. Bureau of Labor Statistics says computer support specialists and systems administrators are projected to be among the fastest growing occupations over the next 10 years. Job prospects will be best for college graduates who are up to the date with the latest skills and technologies, certifications and practical experiences.

## Degree Awarded

Associate in Applied Science

## For More Information Contact:

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## Technical Occupational Specialty

<input type="checkbox"/>	CIS	1123	Programming Fundamentals	3
<input type="checkbox"/>	CIS	2363	Database Design	3
<input type="checkbox"/>	CIS	2513	Principles of Information Systems Security	3
<input type="checkbox"/>	CIS	2703	Systems Analysis and Design	3
<input type="checkbox"/>	CIS	2803	Computer Science Project Capstone	3
<input type="checkbox"/>	ITD	2523	LAN Fundamentals	3

Electives: 18 hours from courses with the following prefixes:

<input type="checkbox"/>	CIS, ITD, TCOM- 9 hours <i>must</i> be CIS prefix	18
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## Support and Related Courses

<input type="checkbox"/>	BUS	1011	Business Ethics	1
<input type="checkbox"/>	BUS	2113	Business Communications	3
<input type="checkbox"/>	TCOM	1523	Electronic Commerce	3

## General Education Requirements

<input type="checkbox"/>	ENGL	1113	English Composition I	3
<input type="checkbox"/>	HIST	1493	U.S. History Since 1865	3
<input type="checkbox"/>	MATH	1413	General College Math	3
<input type="checkbox"/>	POLS	1113	American Government	3
<input type="checkbox"/>	SPCH	1113	Introduction to Speech Communications	3
<input type="checkbox"/>	General Education Elective ( <i>must be approved by division advisor</i> )			3

**Total to Graduate**

**36 Credit Hours**

Date	Institution

**7 Credit Hours**


**18 Credit Hours**


**61 Credit Hours**

Student Name: \_\_\_\_\_

CWID: \_\_\_\_\_

Counselor: \_\_\_\_\_

**BUS 1011 BUSINESS ETHICS**

A study of contemporary and classical views relating to moral judgments and conduct within the business environments.

**BUS 2113 BUSINESS COMMUNICATIONS**

Includes effective communication strategy, effective report presentation (both written and oral), effective summarizing skills and analytical reasoning skills. Focuses on the dynamics, qualities, functions and methods of administrative communication; problems and practices of preparing effective material. Prerequisite: ENGL 1113.

**CIS 1123 PROGRAMMING FUNDAMENTALS**

Designed for both computer science majors and non-majors to give fundamental knowledge of computer programming concepts. Students will learn accepted programming concepts and style. This course involves logic, pseudo-code, flow charts, statement sequencing, conditional statements, loop structures and input/output. Prerequisite: Basic computer knowledge.

**\*CIS 2363 DATABASE DESIGN**

Provides students with basic knowledge of database planning, design and implementation. Exercises will take the student through database planning, design and construction, implementation and maintenance. Prerequisite: CIS 1113.

**\*CIS 2513 PRINCIPLES OF INFORMATION SYSTEMS SECURITY**

This course provides the student with a broad review of the field of information systems security, background on many related elements and enough detail to facilitate an understanding of the field. It covers terminology of information systems security, the history of the field and an overview on how to manage an information systems security program. Prerequisites: CIS 1113 or CIS 1103.

**\*CIS 2703 SYSTEMS ANALYSIS AND DESIGN**

Introduction to a methodology for the analysis, design, documentation, implementation and evaluation of computer systems. Included will be topics in techniques for data gathering, file organization and accessing methods. Prerequisites: CIS 1103 or CIS 1113 and three hours of computer applications or programming.

**\*CIS 2803 COMPUTER SCIENCE PROJECT CAPSTONE**

As the capstone course of the Computer Science Program, the student will demonstrate the collected knowledge, skills and techniques acquired in the program courses by working through scenarios. Students will demonstrate problem solving, critical thinking, research techniques and technical writing. Computer ethics and group dynamics will be emphasized to help round out the student's education.

**\*CIS 2363 DATABASE DESIGN**

Provides students with basic knowledge of database planning, design and implementation. Exercises will take the student through database planning, design and construction, implementation and maintenance. Prerequisite: CIS 1113.

**\*ITD 2523 LAN FUNDAMENTALS**

Course is designed to provide the students with basic knowledge of computer networks. Students will learn the types and methodology of networks. Exercises will involve hands-on use of computer networks. Prerequisite: CIS 1003 or CIS 1113 or CIS 1103.

**\*TCOM 1523 ELECTRONIC COMMERCE**

Understanding e-commerce (electronic commerce) is essential for success in today's economy. This course explores both sides of business on the Internet, from the viewpoint of the consumer and of a business. Prerequisites: CIS 1103 or CIS 1113. (Same as BUS 1543.)