

# COMPUTER INFORMATION SYSTEMS



Pathway: Business & Public Services

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Award Title	Award Type	GE Units	Required Course Units	Major Elective Units	Major Units
Computer Information Systems*	A.S.	21*	21	24	45
Computer Information Systems	C		21	24	45

At least 60 degree applicable units are required to earn an Associate degree.

\*This Associate Degree is eligible for a reduction of General Education requirements from 21 to 18 units; please consult with a counselor for more details.

## PROGRAM OVERVIEW

The Computer Information Systems program is designed to prepare students for careers in the exciting Information Technology fields such as programming, software engineering, database administration, computer networking, multimedia programming, and web programming technologies. Microcomputer usage continues to grow at an ever increasing pace as does the demand for workers with solid technical skills and knowledge of programming, networking, and website development and management. The primary goal of the program is to prepare students for entry-level employment as well as providing marketable career advancement knowledge and skills. Students with interest in transferring to an Information Systems program at four-year institutions should consult with the Counseling department for needed course work.

## PROGRAM LEARNING OUTCOMES (PLOs)

Upon completion of the **Degree/Certificate** program, students are able to:

1. Create, debug, and comment computer programming codes in order to integrate multiple language constructs in a single project.
2. Create business applications using advanced computer software.
3. Identify and describe computer hardware, networking concepts, and computer software.

## USEFUL LINKS

**College Catalog:** <http://college.lattc.edu/catalog/>

**Financial Aid Office:** <http://college.lattc.edu/financialaid/>

**Counseling Department:** <http://college.lattc.edu/counseling/>

**General Education Information:** <http://college.lattc.edu/catalog>

You can register in these classes by logging on to the Student Information System at <http://college.lattc.edu/student/new-students/register-now/>

For additional information consult a LATTC college counselor.

## COMPUTER INFORMATION SYSTEMS

### Associate in Science Degree

Major Units: 45

Requirements for the Associate in Science degree in Computer Information Systems may be met by completing 21 units of Required Courses and 24 units of Major Electives with a "C" or better along with General Education units. Information on the General Education unit requirements may be found in the catalog under Graduation Requirements.

Students planning to continue studies at a four-year institution should consult with a counselor concerning a transfer curriculum

### REQUIRED COURSES

		UNITS
CO INFO 700	Computer Concepts	3
CO INFO 701	Introduction to Computers and Their Uses	3
CO INFO 709	Visual Basic Programming	3
CO INFO 733	Microcomputer Data Base Programming	3
CO INFO 739	Programming in C++	3
CO INFO 757	XHTML Programming and Applications	3
CO INFO 787	Network Essentials	3

### MAJOR ELECTIVES

Select at least 24 units from the courses below		UNITS
CO INFO 011	Network Security Fundamentals	3
CO INFO 035	Multimedia Presentations for the Internet I	3
CO INFO 040	Beginning Level Programming/Computer Games	3
CO INFO 042	Video Game Programming I	3
CO INFO 741	Programming in C#	3
CO INFO 743	Object-Oriented Programming in C++	3
CO INFO 750	Dreamweaver Concepts and Techniques	3
CO INFO 762	Introduction to Javascript Programming	3
CO INFO 770	Local Area Network Administration	3
CO INFO 771	Local Area Network Technical Support	3
CO INFO 790	Programming in JAVA	3
MICROTK 160	I.T. Essentials Application Software Fundamentals	2
MICROTK 166	CCNA Security	3

## COMPUTER INFORMATION SYSTEMS

### Certificate of Achievement

Major Units: 45

A Certificate of Achievement in Computer Information Systems may be earned by completing 21 units of Required Courses and 24 units of Major Electives listed under for the Associates degree in Computer Information Systems with a grade of "C" or better in each course.