

# COMPUTER INFORMATION SYSTEMS

## ASSOCIATE IN ARTS (AA) DEGREE

DESCRIPTION: This program is designed for students who plan to continue their education in pursuit of a four-year degree in Computer Science. The program includes all of the necessary courses to qualify for the MTA Articulation Agreement. All facets of business find computers and information systems to be essential. Qualified individuals are needed to relate the problem-solving abilities of a computer system to a company's operations. In this curriculum, students are preparing to work as computer programmers, programmer-analysts, network administrators, software application developers, database administrators, business intelligence analyst, web developers, software systems developers, or computer systems engineers in business and industry. The program helps prepare students for industry certifications.

### GENERAL EDUCATION REQUIREMENTS CREDITS: 35-36

ENG 111 or	ENGLISH COMPOSITION I (3/3) or
ENG 121	ADVANCED ENGLISH COMPOSITION I (3/3)
ENG 112 or	ENGLISH COMPOSITION II (3/3) or
ENG 122	ADVANCED ENGLISH COMPOSITION II (3/3)
PLS 221	AMERICAN GOVERNMENT & POLITICS (3/3)
MTH 113	INTERMEDIATE ALGEBRA (4/4)
PHL 228	INTRODUCTION TO ETHICS (3/3)
ECN 231	ECONOMICS (MICRO) (3/3)
ECN 232	ECONOMICS (MACRO) (3/3)
	HUMANITIES/FINE ARTS REQUIREMENT (6/6)
	NATURAL SCIENCE REQUIREMENT (3-4/4-5)
	LABORATORY SCIENCE REQUIREMENT (4/4-5)

### CORE PROGRAM REQUIREMENTS CREDITS: 25

BUS 262	PROJECT MANAGEMENT (3/4)
CIS 140	INTRODUCTION TO MICROSOFT CLIENT OS (3/4) <sup>A</sup>
CNS 150	NETWORKING FUNDAMENTALS (3/4) <sup>A</sup>
CNS 170	PC REPAIR & MAINTENANCE (4/5) <sup>A</sup>
CNS 180	INTRODUCTION TO MICROSOFT SERVER (3/4) <sup>A</sup>
CNS 210	MICROSOFT NETWORK MANAGEMENT (3/4) <sup>A</sup>
CNS 230	INFORMATION SECURITY (3/4) <sup>A</sup>
CNS 240	OPEN SOURCE NETWORKING (3/4) <sup>A</sup>

### MINIMUM 60 CREDIT HOURS/68 CONTACT HOURS

#### NOTES:

<sup>A</sup> Included in occupational specialty.

*GPA of 2.0 or higher must be maintained in occupational specialty courses*

Electives will change depending on area of concentration and the specific four-year transfer institution's requirements. Consult your ACC academic advisor.

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### SUGGESTED SEQUENCE OF COURSES

<b>YEAR 1 (FALL SEMESTER) CREDITS: 17</b>	
CIS 140	INTRODUCTION TO MICROSOFT CLIENT OS (3/4)
CNS 170	PC REPAIR & MAINTENANCE (4/5)
CNS 150	NETWORKING FUNDAMENTALS (3/4)

ENG 111 or	ENGLISH COMPOSITION I (3/3) or
ENG 121	ADVANCED ENGLISH COMPOSITION I (3/3)

MTH 113	INTERMEDIATE ALGEBRA (4/4)
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<b>YEAR 1 (SPRING SEMESTER) CREDITS: 15</b>	
CNS 180	INTRODUCTION TO MICROSOFT SERVER (3/4)

ENG 112 or	ENGLISH COMPOSITION II (3/3) or
ENG 122	ADVANCED ENGLISH COMPOSITION II (3/3)

	NATURAL SCIENCE REQUIREMENT (3-4/4-5)
	HUMANITIES/FINE ARTS REQUIREMENT (3/3)
PHL 228	INTRODUCTION TO ETHICS (3/3)

<b>YEAR 2 (FALL SEMESTER) CREDITS: 15</b>	
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ECN 231	ECONOMICS (MICRO) (3/3)
BUS 262	PROJECT MANAGEMENT (3/4)
CNS 210	MICROSOFT NETWORK MANAGEMENT (3/4)
CNS 230	INFORMATION SECURITY (3/4)
CNS 240	OPEN SOURCE NETWORKING (3/4)

<b>YEAR 2 (SPRING SEMESTER) CREDITS: 13</b>	
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ECN 232	ECONOMICS (MACRO) (3/3)
	HUMANITIES/FINE ARTS REQUIREMENT (3/3)
	LABORATORY SCIENCE REQUIREMENT (4/4-5)
PLS 221	AMERICAN GOVERNMENT & POLITICS (3/3)