

COMPUTER INFORMATION SYSTEMS
Associate in Arts (AA) Degree

Minimum Credits: 60.0
Contact Hours: 68.0

INTRODUCTION: 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, systems 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 COURSES (MEETS GRADUATION REQUIREMENTS AND MTA)

COURSE	TITLE	CREDITS	CONTACT HOURS
ENG 111 or ENG 121	English Composition I or Advanced English Composition I	3.0	3.0
ENG 112 or ENG 122	English Composition II or Advanced English Composition II	3.0	3.0
PLS 221	American Government & Politics	3.0	3.0
MTH 113	Intermediate Algebra	4.0	4.0
PHL 228	Introduction to Ethics	3.0	3.0
ECN 231	Economics (Micro)	3.0	3.0
ECN 232	Economics (Macro)	3.0	3.0
	Humanities/Fine Arts Requirement	6.0	6.0
	Natural Science Requirement	3.0-4.0	4.0-5.0
	Laboratory Science Requirement	<u>4.0</u>	<u>4.0-5.0</u>
GENERAL EDUCATION CREDITS/CONTACT HOURS:		35.0-36.0	36.0-38.0

CORE PROGRAM COURSES (MEET WITH ACADEMIC ADVISOR TO DETERMINE CORE PROGRAM COURSES FOR CONCENTRATION AND TRANSFER)

COURSE	TITLE	CREDITS	CONTACT HOURS
BUS 262	Project Management	3.0	4.0
CIS 140	Introduction to Microsoft Client OS ^A	3.0	4.0
CNS 150	Networking Fundamentals ^A	3.0	4.0
CNS 170	PC Repair & Maintenance ^A	4.0	5.0
CNS 180	Introduction to Microsoft Server ^A	3.0	4.0
CNS 210	Microsoft Network Management ^A	3.0	4.0
CNS 230	Information Security ^A	3.0	4.0
CNS 240	Open Source Networking ^A	<u>3.0</u>	<u>4.0</u>
CORE PROGRAM CREDITS/CONTACT HOURS:		25.0	33.0

SUGGESTED ELECTIVES (MEET WITH ACADEMIC ADVISOR TO DETERMINE ELECTIVES FOR CONCENTRATION AND TRANSFER)

Electives will change depending on area of concentration and the specific 4-year transfer institution's requirements. Consult your ACC academic advisor.

TOTAL MINIMUM PROGRAM CREDITS/CONTACT HOURS: 60.0 68.0

SUGGESTED SEQUENCING OF COURSES:

YEAR 1 (FALL SEMESTER) 17.0 CREDITS		CREDITS	CONTACT HRS	YEAR 1 (SPRING SEMESTER) 15.0 CREDITS		CREDITS	CONTACT HRS
CIS 140 Intro to Microsoft Client OS	3.0	4.0	CNS 180 Intro to Microsoft Server	3.0	4.0		
CNS 170 PC Repair & Maintenance	4.0	5.0	ENG 112 or ENG 122 English Comp II	3.0	3.0		
CNS 150 Networking Fundamentals	3.0	4.0	Natural Science Requirement	3.0-4.0	3.0-5.0		
ENG 111 or ENG 121 English Comp I	3.0	3.0	Humanities/Fine Arts Requirement	3.0	3.0		
MTH 113 Intermediate Algebra	<u>4.0</u>	<u>4.0</u>	PHL 228 Introduction to Ethics	<u>3.0</u>	<u>3.0</u>		
TOTAL	17.0	20.0	TOTAL	15.0-16.0	16.0-18.0		
YEAR 2 (FALL SEMESTER) 15.0 CREDITS		CREDITS	CONTACT HRS	YEAR 2 (SPRING SEMESTER) 13.0 CREDITS		CREDITS	CONTACT HRS
ECN 231 Economics (Micro)	3.0	3.0	ECN 232 Economics (Macro)	3.0	3.0		
BUS 262 Project Management	3.0	4.0	Humanities/Fine Arts Requirement	3.0	3.0		
CNS 210 Microsoft Network Management	3.0	4.0	Laboratory Science Requirement	4.0	4.0-5.0		
CNS 230 Information Security	3.0	4.0	PLS 221 American Government & Politics	<u>3.0</u>	<u>3.0</u>		
CNS 240 Open Source Networking	<u>3.0</u>	<u>4.0</u>	TOTAL	13.0	13.0-14.0		
TOTAL	15.0	19.0					

NOTES:

^A Included in occupational specialty: A grade of 2.0 or higher must be maintained in each occupational course.