COMPUTER SYSTEMS and INFORMATION TECHNOLOGY, ASSOCIATE OF APPLIED SCIENCE (AAS)

The Computer Systems and Information Technology degree is a 60-credit hour program that provides students with the skills needed to manage an organization's computer systems. The program provides students with the fundamental knowledge and skills required for learning industry-specific methodologies and recognized standards associated with computer system administration and to develop strong critical thinking skills. Emphasis is placed on Cloud Computing to analyzing system logs, applying system updates, updating user accounts, troubleshooting problems, and ensuring uptime.

FIRST SEMESTER

COURSE	CREDIT HOURS	Industry-Based Credentials
CSCI 1100, Problem Solving and Programming Techniques	3	
CSCI 1210, IT Hardware Support*	3	
CSCI 1300, IT Software Support*	3	CompTIA A+
General Education, Mathematics: select	3	
MATH 1100, College Algebra, or		
MATH 1203, Applied Algebra		
General Education, English Composition: ENGL 1010, English Composition I	3	
SEMESTER CREDIT HOURS	**15**	

SECOND SEMESTER

COURSE	CREDIT HOURS	Industry-Based Credentials
CSCI 1400, Network Essentials	3	CompTIA Network+
CSCI 1510, Introduction to Scripting	3	
CSCI 1600, Introduction to Virtualization	3	CompTIA IT Fundamentals+
CSCI 1700, Microsoft Windows Servers	3	CompTIA Server+
General Education, Social Sciences: select 3 hours from ANTH, ECON, GEOG, POLI, SOCL, PSYC, WGNS, or CRJU 1010	3	
SEMESTER CREDIT HOURS	**15**	

THIRD SEMESTER

COURSE	CREDIT HOURS	Industry-Based Credentials
CSCI 2100, Relational Database Coding	3	
CSCI 2200, Introduction to Cloud Computing	3	CompTIA Cloud+
CSCI 2300, Linux Server	3	
CSCI 2400, Network Security Design	3	CompTIA Security+
General Education: choose 3 credit hours of Biology (BIOL), Chemistry (CHEM), Physical Science (PHSC), or Physics (PHYS)	3	
SEMESTER CREDIT HOURS	**15**	

FOURTH SEMESTER

COURSE	CREDIT HOURS

CSCI 2999, System Administration Internship or	3
CSCI 2998, System Administration Capstone	
CSCI 2600, Advanced Topics in Linux	3
CSCI Elective: choose any 2000 level CSCI Course	3
General Education, Humanities: choose any HIST, PHIL, or RELS course	3
Choose 3 hours of humanities courses	3
ENGL, HIST, SPAN, PHIL, RELS, SPCH	
SEMESTER CREDIT HOURS	**15**
Total Credit Hours, Computer Systems and Information Technology	**60**

*   Upon successful completion of CSCI 1210 and CSCI 1300, students earn the IT Support Career and
     Technical Certificate (CTC) and are prepared to take the CompTIA A+ exam. Students who pass both parts
     of the CompTIA A+ exam earn the CompTIA A+ industry-based certification.