

# Computer Science & Information Systems

Offered at all campuses

The Associate in Applied Science in Computer Science degree program is intended to qualify individuals for entry-level positions in computer-related industries.

## A.A.S. Computer Science and Information Systems

Advanced Networking.....	62-69 Credits
CISCO Security .....	62-70 Credits
Software Development .....	61-68 Credits
Secure Systems Administration & Engineering .....	62-69 Credits

## Certificates

CCNA and CCNP.....	35 Credits
CCNA and Security.....	30 Credits
CCNA and Technology.....	32 Credits
CCENT and CCNA .....	23 Credits
Computer and User Support.....	16 Credits
Network and Systems Support .....	35 Credits
Software Development .....	37 Credits
Secure Systems Administration & Engineering .....	44 Credits

\* Some programs are only offered at one campus. Please see an advisor for more information.

## A.A.S. Computer Science and Information Systems: Advanced Networking

200509 Revised 11/2016 (Fall 2017)

General Education Requirements	Credits	Semester Taken	Prerequisites
COLL 100 First Year Seminar	1		
ENGL 101 Composition & Reading I	3		ENGL 90 with a minimum grade of S or appropriate placement score
HIST 120 United States History to 1865 <i>or</i> HIST 121 United States History Since 1865 <i>or</i> POLS 135 Introduction to Political Science <i>or</i> POLS 136 Introduction to U.S. National Politics <i>or</i> POLS 137 Introduction to State and Local Politics	3		
COMM 100 Fundamentals of Speech <i>or</i> COMM 102 Fundamentals of Human Communications	3		ENGL 90 with a minimum grade of S or appropriate placement score
MATH 120 College Algebra or higher	3		MATH 95 with a grade of C or higher or appropriate placement
Any course numbered 100 or above from the following disciplines: ART, ANTH, COMM, ECON, ENGL, Foreign Language, GEOG (except 104 & 110 and GIS courses), HIST, HUMN, MUSI, PHIL, POLS, PSYC, SIGN, SOSC, SOCI, THEA	3-5		
Any course numbered 100 or above from the following disciplines: BIOL, CHEM, GEOG (104 & 110), GEOL, PHYS	3-6		
<b>Total General Education Requirements</b>	<b>18</b>		
Specific Program Requirements	Credits	Semester Taken	Prerequisites
BSAD 221 Business Communications	3		ENGL 90 with a minimum grade of S or appropriate placement score.
CSIS 110 Information Technology Fundamentals	3		
CSIS 115 Computer Concepts and Applications	3		
<b>Emphasis Area</b>			
CSIS 112 Introduction to Networks CCNA I	4		CSIS 110 with a C or higher
CSIS 113 Routing and Switching Essentials CCNA 2	4		CSIS 112 with a C or higher
CSIS 152 Linux Operating System	3		CSIS 110 with a C or higher
CSIS 212 Scaling Networks CCNA 3	4		CSIS 113 with a C or higher
CSIS 213 Connecting Networks CCNA 4	4		CSIS 212 with a C or higher
CSIS 216 Implementing Cisco IP Routing CCNP I	4		CSIS 213 with a C or higher
CSIS 217 Implementing IP Switching CCNP 2	4		CSIS 213 with a C or higher
CSIS 218 Maintaining and Troubleshooting IP Networks: CCNP 3	4		CSIS 216 and 217
CSIS 290 Field Competencies and Employment Strategies	3		Instructor approval
<b>Total Credit Hours Required</b>	<b>62-69</b>		