

1. The AAS degree provides career skills to enable students to enter the job market after graduation, retrain in a new career, or upgrade employment skills. Occupational courses are designed to meet these needs instead of transferring to four-year institutions; however, many four-year institutions accept some of these courses. Check with your college of transfer intent for more info.
2. Certificate programs offered in the occupational area are generally shorter in length. Students may wish to complete a Certificate first, and apply those same courses to the requirements for the AAS degree.
3. You must apply for graduation on the website or at Enrollment Services prior to your final semester.

This degree program prepares students with the general entry level skills and knowledge requisite to establish and monitor local area networks and offers a brief introduction to wide area networks. The CCA Networking emphasis program provides students with a tier one skill-set sought by employers hiring network engineer technicians. The program is intended to provide an overall or broad exposure to networks without concentrating on any specific proprietary certification.

General Education Requirements—17 credits

ENG 121 English Composition I	3 cr.
ENG122 English Composition II	3 cr.
CIS 118 Intro to PC Application	3 cr.
CIS 161 Presentation Graphics	1 cr.
HIS101 History of Western Civilization I	3 cr.
MAT 121 College Algebra	4 cr.

Degree Requirements—6 credits

MAT 135 Introduction to Statistics	3 cr.
MAR 240 International Marketing	3 cr.

Emphasis Requirements—21 credits

CIS 232 Advanced Unix: Unix Shell Programming	3 cr.
CIS 268 Systems Analysis and Design I	3 cr.
CNG 101 Introduction to Networking	3 cr.
CNG 132 Principles of Information Security	3 cr.
CSC 230 C Programming Language	3 cr.
CSC 231 Advanced C Programming Lang	3 cr.
CSC 241 Advanced Java Programming	3 cr.

Emphasis Electives—Choose a minimum of 19 credits

CIS 220 Fundamentals of Unix	3 cr.
CIS 222 Unix (Linux) System Administrator	3 cr.
CNG 131 Network Security Fundamentals	3 cr.
CSC 116 Logic & Program Design	3 cr.
CSC 225 Computer Architecture/Assembly Language Programming	4 cr.
CSC 240 Java Programming	3 cr.

**COMPUTER INFORMATION SYSTEMS DEGREE,
NETWORKING EMPHASIS, TOTAL CREDITS 63 cr.**