



CCAF Associates

**Information Systems Technology
and
Computer Science Technology**



To

**Bachelor of Science and Computer and
Information Science, Network Security**

Today's networks require technicians and specialists with hands-on skills in a variety of network management and support roles. This program is designed to provide both entry and advanced level of knowledge to Administer, manage, or troubleshoot hardware, software, or services for single, mixed and multi-user environments. Students also learn to use cyber security measures to protect data and manage personnel conduct in relation to safeguarding data.

BS Degree students learn to create and build networks in Windows, Cisco, and Unix environments.

Degree Program Requirements

Degree Requirement	Required Semester Credits	CCAF Transfer Credits	Courses to take at Institution
Core/Area of Focus			
Fundamentals of Customer Service	3	3	
Principles of Business and Management	3		3
Introduction to Routing and Switching	3		3
Intermediate Routing and Switching	3		3
Unix Administration	3	3	
Network Security Concepts	3	3	
Windows Client & Server	3	3	
Network Security I	3		3
Network Security II	3		3
Introduction to Operating Systems	3	3	
Computer Applications	3	3	
Logic and Design	3		3
Networking I	3	3	
Networking II	3	3	
Web Interface Design	3		3
General Education			
Principles of Speech	3	3	
Macroeconomics	3		3

English Composition	3	3	
Advanced Composition	3		3
Culture and Diversity	3	3	
College Algebra	3	3	
Statistics	3		3
Physics	3		3
Introduction to Psychology	3	3	
Electives			
Programming I	3		3
Advanced Windows Server	3		3
Windows Active Directory	3	3	
Advanced Unix Administration	3	3	
Advanced Defense & Countermeasures	3		3
Computer Organization	3	3	
Computer Organization II	3		3
Network Scripting	3		3
IT Project Management	3	3	
Total Credits Required			
Bachelor of Science Degree	121	61	60

***This document is to provide students a snapshot of the degree program requirements for BS_CIS_NS and course areas where credits may be awarded, Minimum credits 61, Maximum credits 80. An individualized degree plan showing courses required based on credits transferred in will be provided as part of the degree contract/enrollment process.**

****In addition to courses listed under Electives, course scheduled may consist of other courses in this concentration or other concentrations.**

***** The college may accept credits from an institution recognized by the Council of Higher Education Accreditation (CHEA). ECPI will accept credit toward a degree or certificate for satisfactory performance on the Advanced Placement of the College Board (AP), College-Level Examination Program (CLEP), and Defense Activity for Non-Traditional Support (DANTES) exams. Prospective students should contact the college for a list of exams that apply to CLEP and DANTES. A minimum score of 50 is required to receive transfer credit.**