

Associate of Applied Science in Computer Systems and Network Technology

The Associate of Applied Science (AAS) in Computer Systems and Network Technology (CSNT) prepares students for employment in the field of network and systems administration, computer electronics, and networking industries. This program encompasses vendor-neutral and theoretical concepts and practices; it also includes both Windows Server operating systems and Cisco routing and switching technology.

The AAS in Computer Systems and Network Technology offers students business, communication, teamwork, technical skills, and IT concepts needed to enter the workforce as entry-level technicians or administrators. It also provides a foundation for advanced studies in technology.

The CSNT program has two emphasis areas:

- The systems emphasis includes additional skills in Windows systems administration and business soft skills and project management. It is delivered at the Mat-Su College campus. It is designed to prepare graduates for a market where a broader skill set is needed for small to medium size organizations.
- The network emphasis includes additional networking and security skills, as well as a little more individualization. It is delivered at the Anchorage campus.

The AAS in Computer Systems and Network Technology constitutes the first two years of the Bachelor of Science (BS) in Applied Technologies Leadership.

Admission Requirements

Complete the Admission Requirements for Associate Degrees (<http://catalog.uaa.alaska.edu/academicpoliciesprocesses/admissions/undergraduate/>).

Graduation Requirements

- Complete the General University Requirements for Associate of Applied Science Degrees (<http://catalog.uaa.alaska.edu/undergraduateprograms/aasrequirements/>).
- Complete the General (<http://catalog.uaa.alaska.edu/undergraduateprograms/aasrequirements/generaleducationrequirements/>) Education Requirements for Associate of Applied Science Degrees.
- Complete the following major requirements with a minimum grade of C:

Code	Title	Credits
CNT A160	PC Operating Systems	3
CNT A165	Customer Service Fundamentals	1

CNT A170	CCNA 1	4
CNT A240	Industry PC Configuration Essentials	2
CNT A241	Administering and Supporting Industry Network Infrastructure	3
CNT A242	Industry Network Directory Configuration	3
CNT A261	CCNA 2	4
CNT A270	CCNA 3	4
Complete one of the following emphasis options:		24

Systems Emphasis

BA A151 or BA A231	Business Foundations Fundamentals of Supervision	
CIS A105 or CIS A110	Introduction to Personal Computers and Application Software Computer Concepts in Business	
CNT A168	Computer User Support and Help Desk	
CNT A210	PC Technician Fundamentals	
CNT A243	Industry Application Infrastructure	
CNT A275	Information Technology Project Management	
CNT A276 or CNT A282	Individual Technical Project Industry Workplace Experience	
Complete 4 credits from courses approved by CSNT faculty advisor or from the following courses:		4

CNT A264	Introduction to Information Security	
CNT A271	CCNA 4	
CNT A290	Selected Topics in Information Technology	
CNT A390	Selected Topics in Computer and Networking Technology	

Network Emphasis

CNT A162	PC Architecture and Building	
CNT A183	Local Area Networks	
CNT A264	Introduction to Information Security	
CNT A280	Server Operating Systems	
Complete 12 credits from courses approved by CSNT faculty advisor or from the following courses:		12
CNT A262	Computer Technical Support	
CNT A271	CCNA 4	
CNT A276	Individual Technical Project	
CNT A282	Industry Workplace Experience	
CNT A290	Selected Topics in Information Technology	

CNT A390	Selected Topics in Computer and Networking Technology
Total	48

A minimum of 60 credits is required for the degree.

Program Student Learning Outcomes

Upon program completion, computer systems and network technology graduates will be able to demonstrate:

- Competence in IT workplace service skills through customer service, troubleshooting and implementation of security
- An understanding of IT concepts and technical skills, installing and configuring operating systems, and using utility software
- Knowledge of computer hardware and peripherals
- Knowledge of network infrastructure, network workgroups, and domain administration.