

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 computer networking and information systems administration. This program encompasses vendor-neutral and theoretical concepts and practices. The program includes Microsoft Windows Server and Desktop operating systems, as well as Cisco routing and switching technologies.

The AAS in Computer Systems and Network Technology offers students the 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 information technology and related fields.

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 A183 | Local Area Networks | 3 |
| CNT A210 or CNT A162 | PC Technician Fundamentals PC Architecture and Building | 3 |
| CNT A240 | Industry PC Configuration Essentials | 2 |
| CNT A241 | Administering and Supporting Industry Network Infrastructure | 3 |

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| CNT A242 | Industry Network Directory Configuration | 3 |
| CNT A243 | Industry Application Infrastructure | 3 |
| CNT A261 | CCNA 2 | 4 |
| CNT A264 | Introduction to Information Security | 3 |
| CNT A270 | CCNA 3 | 4 |
| CNT A275 | Information Technology Project Management | 2 |
| Complete 10 credits from courses approved by CSNT faculty or from the following courses: | | 10 |
| 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 or CNT A262 | Computer User Support and Help Desk Computer Technical Support | |
| 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

Students graduating with an Associate of Applied Science in Computer Systems and Network Technology will be able to:

- Show an understanding of IT concepts and technical skills, installing and configuring operating systems, and using utility software.
- Show knowledge of computer hardware and peripherals.
- Demonstrate competence in IT workplace service skills through customer service, troubleshooting and implementation of security.
- Demonstrate competence in entry-level tasks of design, configuration, operation and troubleshooting Ethernet and TCP/IP networks using Cisco routers and switches.
- Show knowledge of network infrastructure, network workgroups, and domain administration.
- Demonstrate the ability to manage an IT-related project by professionally and ethically utilizing business principles, communication skills and teamwork.