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/geraleducationrequirements/) Education Requirements for Associate of Applied Science Degrees.
- Complete the following major requirements with a minimum grade of C:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNT A160</td>
<td>PC Operating Systems</td>
<td>3</td>
</tr>
<tr>
<td>CNT A165</td>
<td>Customer Service Fundamentals</td>
<td>1</td>
</tr>
<tr>
<td>CNT A170</td>
<td>CCNA 1</td>
<td>4</td>
</tr>
<tr>
<td>CNT A183</td>
<td>Local Area Networks</td>
<td>3</td>
</tr>
<tr>
<td>CNT A210</td>
<td>PC Technician Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>or CNT A162</td>
<td>PC Architecture and Building</td>
<td></td>
</tr>
<tr>
<td>CNT A240</td>
<td>Industry PC Configuration Essentials</td>
<td>2</td>
</tr>
<tr>
<td>CNT A241</td>
<td>Administering and Supporting Industry Network Infrastructure</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Industry Network Directory Configuration</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Industry Application Infrastructure</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>CCNA 2</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Introduction to Information Security</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>CCNA 3</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Information Technology Project Management</td>
<td>2</td>
</tr>
</tbody>
</table>

Complete 10 credits from courses approved by CSNT faculty or from the following courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BADA A105</td>
<td>Introduction to Personal Computers and Application Software</td>
<td></td>
</tr>
<tr>
<td>or BADA A110</td>
<td>Computer Concepts in Business</td>
<td></td>
</tr>
<tr>
<td>BA A151</td>
<td>Business Foundations</td>
<td></td>
</tr>
<tr>
<td>or BA A231</td>
<td>Fundamentals of Supervision</td>
<td></td>
</tr>
<tr>
<td>CNT A168</td>
<td>Computer User Support and Help Desk</td>
<td></td>
</tr>
<tr>
<td>or CNT A262</td>
<td>Computer Technical Support</td>
<td></td>
</tr>
<tr>
<td>CNT A276</td>
<td>Individual Technical Project</td>
<td></td>
</tr>
<tr>
<td>CNT A282</td>
<td>Industry Workplace Experience</td>
<td></td>
</tr>
<tr>
<td>CNT A290</td>
<td>Selected Topics in Information Technology</td>
<td></td>
</tr>
<tr>
<td>CNT A390</td>
<td>Selected Topics in Computer and Networking Technology</td>
<td></td>
</tr>
</tbody>
</table>

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.