

Computer Science Technologies

Career Cluster Description: Develop new technologies, systems and computer-based solutions.							
Major Options							
<ul style="list-style-type: none"> Computer Programmer Computer Systems Engineer 		<ul style="list-style-type: none"> Software Applications Developer Database Administrator 		<ul style="list-style-type: none"> Network Systems Administrator Software Systems Developer 		<ul style="list-style-type: none"> Web Developer Computer Systems Analyst 	
Grade 9		Grade 10		Grade 11		Grade 12	
S1	S2	S1	S2	S1	S2	S1	S2
English 1	English 1	English 2	English 2	English Elective	English Elective	English Elective	English Elective
Physical Science	Physical Science	Biology	Biology	Science Elective	Science Elective	Science Elective	Science Elective
Civics	Health	World History	World History	U.S. History	U.S. History	U.S. Govern.	AK History
Algebra I	Algebra I	Geometry	Geometry	Algebra 2	Algebra 2	Advanced Math	Advanced Math
P.E.	P.E.	A+ PC Maintenance & Repair	N+ Networking	Computer Science Personalized Learning Lab Or CISCO Networking 1	Computer Science Personalized Learning Lab Or CISCO Networking 2	Computer Science Personalized Learning Lab Or CISCO Networking 3	Computer Science Personalized Learning Lab Or CISCO Networking 4
Technology Applications 1	Web Page Authoring	Robotics	Competition Robotics	Advanced Web Design	Advanced Robotics	AP Computer Science A	AP Computer Science A
Internet of Everything	CS.Create	Elective Yearbook/Project Management	Elective Yearbook/Project Management	AP Computer Science Principles	AP Computer Science Principles	Co-op Work Experience	Co-op Work Experience
Work-Based Learning Opportunities				Career-Technical Student Organizations (CTSO)		Certifications	
<ul style="list-style-type: none"> Apprenticeship Cooperative Education Job Shadowing 		<ul style="list-style-type: none"> Paid/Unpaid Internship School-Based Enterprise Service Learning 		Business Professionals of America (BPA) Skills USA		<ul style="list-style-type: none"> MOS A+/N+ CISCO (Multiple available) 	

POSTSECONDARY OPTIONS

Two-Year College or Proprietary Programs	Adult Registered Apprenticeships	Four-Year College and University Programs	Certifications	Licenses, On The Job Training, Training Certificates, etc.
Associate of Applied Science: <ul style="list-style-type: none"> Computer and Networking Technology Computer Systems Technology Technology 	Department of Labor and Workforce Development, Office of Apprenticeship, email apprenticeship@alaska.gov or your local Alaska Job Center staff who will help you identify apprenticeable occupations and help you prepare for your future. You may also call (877) 724-2539	<ul style="list-style-type: none"> Bachelor of Art or Bachelor of Science Computer Science Bachelor of Science Computer Systems Engineering 	<ul style="list-style-type: none"> MOS A+ N+ CISCO (Multiple available) 	<ul style="list-style-type: none"> Occupational Endorsement Certificate CISCO – Certified Network Associate

*College Credits may be available. [Click here for details.](#)