

CTE Course Description & Cross-walk

Source of Occupational Skills Standards

Source/Organization/Agency	Acronym	Website or Location of Information	Section, Chapters, etc. referenced in Performance Standards	Date of Edition or Version
States Career Cluster Initiative	SCCI	www.careerclusters.org	Information Technology: Foundation, Network Systems, and Information Support and Services	2008
National Business Education Association	NBEA	www.nbea.org	Career Development, Computation, and Information Technology,	2007
International Society for Technology in Education	ISTE	www.iste.org	NETS for students	2007

Student Performance Standards (Learner Outcomes or Knowledge & Skill Statements)	Specific Occupational Skills Standards	Alaska Reading, Writing, Math, Science 4 th Ed. PSGLE's	Alaska Employability Standards	Alaska Cultural Standards	All Aspects of Industry	How Will Students Be Assessed? (Formative Level)
Gather customer requirements.	IT VIII C02, C04, C10, PB01 2, 3, 4, 6				PT, TP	Module Assessment, Final Exam, CCNA Exam
Design a simple Internetwork using Cisco technology.	IT XII C02, C04, C10, PA01 6				PT, TP	Module Assessment, Final Exam, CCNA Exam
Design an IP addressing scheme to meet LAN requirements.	IT XII C01, C02, C04, C10, PA01 6				PT, TP	Module Assessment, Final Exam, CCNA Exam
Create an equipment list to meet LAN design requirements.	IT XII C02, C04, C10, PA01 6		A		PT, TP	Module Assessment, Final Exam, CCNA Exam
Create and present a proposal to a customer.	IT XII & XIII, C IV C02, C04, C10, PA01 1, 2, 3, 4, 6		A		P, F, PWH	Module Assessment, Final Exam, CCNA Exam
Install and configure a prototype Internetwork.	IT XII C02, C04, C10, PA01				PT, TP	Module Assessment, Final Exam, CCNA Exam

CTE Course Description & Cross-walk

Student Performance Standards (Learner Outcomes or Knowledge & Skill Statements)	Specific Occupational Skills Standards	Alaska Reading, Writing, Math, Science 4th Ed. PSGLE's	Alaska Employability Standards	Alaska Cultural Standards	All Aspects of Industry	How Will Students Be Assessed? (Formative Level)
	6					
Obtain and upgrade IOS in Cisco devices.	IT XII C02, C04, C10, PA01 6				PT, TP	Module Assessment, Final Exam, CCNA Exam
Recognize entrepreneurship opportunities and the role of employer vs. employee.	C09		A, B	B, E8	P, M,TP	BPA Workplace Skills Assessment
Encourage CTSO involvement.		R4.2 W4.4 M2.4 SE	A	B	P, TP, C, PWH	BPA Workplace Skills Assessment
Research career opportunities in the Business/IT career area.	C I – VI C09		A, B	E8, D6	P, TP, PWH, C	Portfolio
Demonstrate safe use of tools and equipment, cyber safety and ergonomic safety in the workplace.	C06	R 3.4, R4.2	A		HSE, PWH	AK EED Safety Manual for Bus & Info. Systems
Practice and promote ethics and ethical behavior in the workplace.	CD.III IT.XV		A1	A1, A6, B3, C2, E7	P, M, F, TP, PT, L, C, HSE, PWH	CTSO Participation

List of Major Instructional Resources: (websites, textbooks, essential equipment, reference materials, supplies)

- Cisco Networking Academy On-line Interactive Curriculum (cisco.netacad.net): Discovery - Designing and Supporting Computer Networks (or) Exploration - Accessing the WAN
- CCNA4 Companion Guide: WAN Technologies

CTE Course Description & Cross-walk

LEGENDS:

Occupational Skills Standards

SCCI – (Information Technology):

- C – Foundation
- PA – Network Systems
- PB – Information Support and Services

NBEA:

- CD – Career Development
- Comp – Computation
- IT – Information Technology

ISTE:

- 1 – Creativity and Innovation
- 2 – Communication and Collaboration
- 3 – Research and Information Fluency
- 4 – Critical Thinking, Problem Solving, and Decision Making
- 5 – Digital Citizenship
- 6 – Technology Operations and Concepts

Alaska PSGLE (grade appropriate)

- R – Reading
- W – Writing
- MN – Math Numeration
- MEA – Math Measurement
- ME&C – Math Estimation & Computation
- MF&R – Math Functions & Relationships
- MG – Math Geometry
- MS&P – Math Statistics and Probability
- MPS – Math Process Skills
- S – Science

Alaska Employability

- A – Transitioning
- B – Career Options

Alaska Cultural

- A – Community
- B – Personal & Academic Success
- C – Participate
- D – Learning Activities
- E – All Elements

All Aspects of Industry

- P – Planning
- M – Management
- F – Finance
- TP – Technical and Production
- PT – Principles of Technology
- L – Labor Issues
- C – Community Issues
- HSE – Health, Safety, and Environment
- PWH – Personal Work Habits