

Computer Network Architects (15-1143)

Occupation description: Design and implement computer and information networks, such as local area networks (LAN), wide area networks (WAN), intranets, extranets, and other data communications networks. Perform network modeling, analysis, and planning. May also design network and computer security measures. May research and recommend network and data communications hardware and software. Excludes Information Security Analysts (15-1122), Network and Computer Systems Administrators (15-1142), and Computer Network Support Specialists (15-1152).

Employment and Job Openings

	Employment			Average annual openings		
	2016 estimate	2026 projection	Percent change	Labor force exits	Occupation transfers	Total
Alaska	62	62	0.0	1	3	4
United States	162,700	173,200	6.5	2,400	8,300	11,750

Job outlook

Alaska: Alaska's employment growth is low with low employment opportunities. [Read more.](#)

2018 Wages ?

	Mean Wage	Wage by Percentile				
	Mean	10th	25th	Median	75th	90th
United States	53.43	29.00	39.40	52.41	66.26	78.98
Alaska	45.31	17.64	37.02	47.60	57.26	63.94
Anchorage/Mat-Su Area	44.76	17.35	34.53	47.04	57.36	65.15

Labor Force Indicators

2016 Worker Characteristics

Total workers	Nonresident workers	Percent nonresident	Percent age 45 plus	Percent age 50 plus
49	5	10.2	50.0	32.6

2016 Potential Supply

Qualified but working in another occupation	9
Currently employed in a lower paid occupation	5
UI claimants previously working in occupation	2

2016 ALEXsys Employment Data

Number of registrants	138
Number of job position postings	18
Ratio of registrants to job position postings	7.7

Typical Entry-level Education, Experience, and/or On-the-job Training

Education: Bachelor's degree

Work experience: More than 5 years **On-the-job training:** None

Training Resources

Alaska Computer Business Solutions LLC (Anchorage)	
	Degree
CompTIA Network+	
Visio Level 1	
Visio Level 2	

Central Texas College, Fort Richardson/Elmendorf AFB (Fort Richardson)	
	Degree
Information Technology	AAS

Charter College, Anchorage (Anchorage)	
	Degree
Computer Networking Systems	AAS

Embry-Riddle Aeronautical University (JBER)	
	Degree
Cybersecurity Management & Policy	BS
Information Assurance	Certificate

Ilisagvik College (Barrow)	
	Degree
COMP TIA Network+ Certification	Certificate

University of Alaska Anchorage (Anchorage)	
	Degree
Cisco Certified Network Associate	OEC
Computer & Networking Technology	AAS
Computer & Networking Technology	CT1
Computer & Networking Technology	CT2
Technical Support	OEC
Telecom Elect & Computer Tech	AAS

University of Alaska Anchorage, Kodiak (Kodiak)	
	Degree

Computer Systems Technology	AAS
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Degree

University of Alaska Anchorage, Mat-Su (Palmer)

Cisco Certified Network Associate	OEC
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Computer & Networking Technology	AAS
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Computer Systems Technology	AAS
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Telecom Elect & Computer Tech	AAS
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Telecommunication & Electronic System	CT2
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Degree

University of Alaska Fairbanks (Fairbanks)

Computer Engineering	BS
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Information Technology Specialist	AAS
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Degree

University of Alaska Fairbanks, Bristol Bay (Dillingham)

Information Technology Specialist	AAS
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Information Technology Specialist	CT2
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Degree

University of Alaska Fairbanks, Chukchi (Kotzebue)

Information Technology Specialist	AAS
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Information Technology Specialist	CT2
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Degree

University of Alaska Fairbanks, CTC (Fairbanks)

Information Technology Specialist	AAS
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Information Technology Specialist	CT2
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Degree

University of Alaska Fairbanks, Kuskokwim (Bethel)

Information Technology Specialist	AAS
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Information Technology Specialist	CT2
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Degree

University of Alaska Fairbanks, Northwest (Nome)

Information Technology Specialist	AAS
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Information Technology Specialist	CT2
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Degree

University of Alaska Fairbanks, Rural College (Fairbanks)

Information Technology Specialist	AAS
Information Technology Specialist	CT2
University of Alaska Southeast, Juneau (Juneau)	
Network and System Administration	OEC
Network Technician	OEC
University of Alaska Southeast, Ketchikan (Ketchikan)	
Network and System Administration	OEC
Network Technician	OEC
Networking Essentials	OEC
University of Alaska Southeast, Sitka (Sitka)	
Network and System Administration	OEC
Network Technician	OEC
Vocational Training and Resource Center (Juneau)	
Introduction to Visio Professional	
WinCertification (Red Devil)	
Cisco: Cisco Certified Entry Networking Tech	
CompTIA: Network+ Technician	
CompTIA: Security+ Technician	
Microsoft Windows Server	