

Computer and Information Systems Managers (11-3021)

Occupation description: Plan, direct, or coordinate activities in such fields as electronic data processing, information systems, systems analysis, and computer programming. Excludes Computer Occupations (15-1111 through 15-1199).

Employment and Job Openings

| | Employment | | | Average annual openings | | |
|----------------------|---------------|-----------------|----------------|-------------------------|----------------------|--------|
| | 2016 estimate | 2026 projection | Percent change | Labor force exits | Occupation transfers | Total |
| Alaska | 950 | 963 | 1.4 | 17 | 52 | 70 |
| United States | 367,600 | 411,800 | 12.0 | 6,900 | 21,200 | 32,520 |

Job outlook

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

2019 Wages

| | Mean Wage | Wage by Percentile | | | | |
|-------------------------------------|-----------|--------------------|-------|--------|-------|-------|
| | Mean | 10th | 25th | Median | 75th | 90th |
| United States | 75.19 | 42.06 | 54.38 | 70.37 | 89.24 | * |
| Alaska | 54.15 | 36.88 | 44.20 | 52.41 | 62.74 | 75.76 |
| Anchorage/Mat-Su Area | 54.36 | 34.59 | 43.11 | 52.56 | 63.77 | 78.65 |
| Fairbanks North Star Borough | 51.25 | 38.70 | 44.78 | 53.25 | 59.01 | 62.48 |
| Balance of State | 54.43 | 41.39 | 45.14 | 52.27 | 63.05 | 73.96 |

* indicates the estimate is not available, or the hourly wage is greater than \$100, or the annual wage is greater than \$208,000.

Labor Force Indicators

2016 Worker Characteristics

| Total workers | Nonresident workers | Percent nonresident | Percent age 45 plus | Percent age 50 plus |
|---------------|---------------------|---------------------|---------------------|---------------------|
| 542 | 38 | 7.0 | 62.3 | 45.0 |

2016 Potential Supply

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| Qualified but working in another occupation | 92 |
| Currently employed in a lower paid occupation | 80 |
| UI claimants previously working in occupation | 25 |

2016 ALEXsys Employment Data

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| Number of registrants | 283 |
| Number of job position postings | 43 |
| Ratio of registrants to job position postings | 6.6 |

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

| | |
|--------------------------|---------------|
| | Degree |
| Change & Time Management | |

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

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| | Degree |
| Charter College, Anchorage (Anchorage) | |
| Computer Information Systems | BS |

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| | Degree |
| Embry-Riddle Aeronautical University (JBER) | |
| Aviation Cybersecurity Management and Policy | Certificate |
| Cybersecurity Management & Policy | BS |
| Information Assurance | Certificate |
| Information Security and Assurance | MS |
| Management Information Systems | MS |

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| | Degree |
| North Star Computing (Fairbanks) | |
| Conducting Meetings | |

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| | Degree |
| Nu-Solutions Consulting (Anchorage) | |
| Advanced Primavera P6, Fundamentals Professional Client, Course 106-P | Certificate |
| Advanced Project Modeling and Estimating, Class E-201 | Certificate |
| Essentials of HD Performance HD P101 | |
| Essentials of Project Modeling and Estimating, Class E-101 | Certificate |
| Managing Risk in Primavera Risk Analysis, Course 501 | |
| Migrating from P3 to Primavera P6 | |
| Oracle Primavera Contract Management, Course 201 | Certificate |
| Primavera P6 Advanced | |

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| Primavera P6 Analytics 11g | |
| Primavera P6 Fundamentals Rel15 (P6 Web), Course 101 | Certificate |
| Primavera P6 Professional Fundamentals, Course 102 | Certificate |
| Primavera P6 Reporting with BI Publisher 11g | |
| Primavera P6, Application Administration 15, Course 106-A | Certificate |
| Project Management in Oracle Primavera Contractor, Course 700 | |
| Resource Management in Oracle Primavera P6, Course 106-R | Certificate |
| Resource Management in Oracle Primavera Web Access, Course 107 | Certificate |

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| Degree |
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Thomas Edison State University (Eielson AFB)

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| Computer Science | BA |
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| Degree |
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University of Alaska Anchorage (Anchorage)

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|---------------------------------------|-----|
| Business Computer Information Systems | AAS |
| Computer Science | BA |
| Computer Science | BS |
| Management Information Systems | BBA |
| Project Management | MS |
| Technical Support | OEC |

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| Degree |
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University of Alaska Anchorage, Kodiak (Kodiak)

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|-----------------------------|-----|
| Computer Systems Technology | AAS |
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| Degree |
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University of Alaska Anchorage, Mat-Su (Palmer)

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|-----------------------------|-----|
| Computer Systems Technology | AAS |
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| Degree |
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University of Alaska Fairbanks (Fairbanks)

| | |
|-----------------------------------|-----|
| Computer Science | BS |
| Computer Science | MS |
| Information Technology Specialist | AAS |

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| Degree |
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University of Alaska Fairbanks, Bristol Bay (Dillingham)

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|-----------------------------------|-----|
| Information Technology Specialist | AAS |
| Information Technology Specialist | CT2 |

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| Degree |
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University of Alaska Fairbanks, Chukchi (Kotzebue)

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|-----------------------------------|-----|
| Information Technology Specialist | AAS |
| Information Technology Specialist | CT2 |

Degree

University of Alaska Fairbanks, CTC (Fairbanks)

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|-----------------------------------|-----|
| Information Technology Specialist | AAS |
| Information Technology Specialist | CT2 |

Degree

University of Alaska Fairbanks, Kuskokwim (Bethel)

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|-----------------------------------|-----|
| Information Technology Specialist | AAS |
| Information Technology Specialist | CT2 |

Degree

University of Alaska Fairbanks, Northwest (Nome)

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|-----------------------------------|-----|
| Information Technology Specialist | AAS |
| Information Technology Specialist | CT2 |

Degree

University of Alaska Fairbanks, Rural College (Fairbanks)

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|-----------------------------------|-----|
| Information Technology Specialist | AAS |
| Information Technology Specialist | CT2 |

Degree

University of Alaska Southeast, Juneau (Juneau)

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|-----------------------------------|-----|
| Information Systems | AAS |
| Information Systems | BS |
| Network and System Administration | OEC |

Degree

University of Alaska Southeast, Ketchikan (Ketchikan)

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|-----------------------------------|-----|
| Information Systems | AAS |
| Network and System Administration | OEC |

Degree

University of Alaska Southeast, Sitka (Sitka)

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|--------------------------------------|-----|
| Business Information Systems Support | AAS |
| Business Information Systems Support | CT2 |
| Network and System Administration | OEC |

Degree

Wayland Baptist University (Anchorage)

Cyber Security

BAS

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July 09, 2020