

Architectural and Engineering Managers (11-9041)

Occupation description: Plan, direct, or coordinate activities in such fields as architecture and engineering or research and development in these fields. Excludes Natural Sciences Managers (11-9121).

Employment and Job Openings

	Employment			Average annual openings		
	2016 estimate	2026 projection	Percent change	Labor force exits	Occupation transfers	Total
Alaska	363	361	-0.6	7	17	24
United States	180,100	190,000	5.5	3,700	8,900	13,590

Job outlook

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

2019 Wages

	Mean Wage	Wage by Percentile				
	Mean	10th	25th	Median	75th	90th
United States	73.52	44.48	55.61	69.63	86.16	*
Alaska	68.00	42.53	52.80	63.27	78.42	97.96
Anchorage/Mat-Su Area	68.14	42.43	53.95	64.63	77.73	96.59
Fairbanks North Star Borough	55.40	44.48	50.51	55.06	59.72	62.38
Balance of State	70.85	42.34	51.90	66.26	86.01	*

* 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
442	106	24.0	65.3	52.3

2016 Potential Supply

Qualified but working in another occupation	77
Currently employed in a lower paid occupation	71
UI claimants previously working in occupation	14

2016 ALEXsys Employment Data

Number of registrants	116
Number of job position postings	55
Ratio of registrants to job position postings	2.1

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	

	Degree
The Natural Step: How Cities and Towns Can Change to Sustainable Practices	

	Degree
Alaska Computer Business Solutions LLC (Anchorage)	
Revit Architecture 2017 L1 Fundamentals	
Revit Architecture 2019 L1 Fundamentals	

	Degree
Embry-Riddle Aeronautical University (JBER)	
Aeronautics	MS
Aerospace Engineering	MS
Engineering	BS
Engineering Fundamentals	AS
Engineering Management	MS
Systems Engineering	MS
Unmanned & Autonomous Systems Engineering	MS
Unmanned Systems	MS
Unmanned Systems Applications	BS

	Degree
Environmental Management Inc (Anchorage)	
Asbestos Abatement Certification	Certificate
EPA/AHERA Inspector Initial	Certificate
EPA/AHERA Management Planner Initial	Certificate
EPA/AHERA Management Planner Refresher	Certificate
EPA/AHERA Project Design Initial - 24 Hours	Certificate
EPA/AHERA Project Design Refresher	Certificate

	Degree
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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
Hybrid Primavera P6 102	
Managing Risk in Primavera Risk Analysis, Course 501	
Migrating from P3 to Primavera P6	
Oracle Primavera Contract Management, Course 201	Certificate
Primavera P6 Advanced	
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
Scheduling in Oracle Primavera P6 and Contractor, for U.S. Army Corps of Engineers Projects	Certificate

Degree

Satori Group Inc (Anchorage)

AHERA Building Inspector Initial	Certificate
AHERA Building Inspector Refresher	Certificate
Asbestos Contractor/Supervisor Initial	Certificate
Asbestos Contractor/Supervisor Refresher	Certificate

Degree

University of Alaska Anchorage (Anchorage)

Architecture & Engineer Technology	AAS
Arctic Engineering	MS
Civil Engineering	BS
Civil Engineering	MCE
Civil Engineering	MS
Coastal, Ocean and Port Engineer	GCRT
Earthquake Engineering	GCRT
Electrical Engineering	BS
Engineering	BS
Engineering Management	MS
Mechanical and Electrical Engineer Consortium	BS

Mechanical Engineering	MS
Project Management	MS

Degree	
University of Alaska Anchorage, Mat-Su (Palmer)	
Renewable Energy	OEC

Degree	
University of Alaska Fairbanks (Fairbanks)	
Applied Physics	BS
Civil Engineering	BS
Civil Engineering	MCE
Civil Engineering	MS
Computer Engineering	BS
Electrical Engineering	BS
Electrical Engineering	MEE
Engineering	PHD
Engineering Management	MS
Geological Engineering	BS
Geological Engineering	MS
Mechanical Engineering	BS
Mechanical Engineering	MS
Mineral Preparation Engineer	MS
Mining Engineering	BS
Mining Engineering	MS
Petroleum Engineering	BS
Petroleum Engineering	MS
Software Engineering	MSE

Degree	
University of Alaska Fairbanks, CTC (Fairbanks)	
Powerplant	CT2

Degree	
University of Alaska Southeast, Juneau (Juneau)	
Pre-Major Engineering	CT1
Residential Building Science	CER
Residential Building Science	OEC

Degree	
Vocational Training and Resource Center (Juneau)	

Drafting with AutoCAD	
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Landscaping Technology	
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	Degree
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Wisdom & Associates, Inc. (Kenai)

Introduction to Building Science	
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