

Environmental Science and Protection Technicians, Including Health (19-4091)

Occupation description: Perform laboratory and field tests to monitor the environment and investigate sources of pollution, including those that affect health, under the direction of an environmental scientist, engineer, or other specialist. May collect samples of gases, soil, water, and other materials for testing.

Employment and Job Openings

| | Employment | | | Average annual openings | | |
|----------------------|---------------|-----------------|----------------|-------------------------|----------------------|-------|
| | 2016 estimate | 2026 projection | Percent change | Labor force exits | Occupation transfers | Total |
| Alaska | 252 | 265 | 5.2 | 10 | 19 | 30 |
| United States | 34,600 | 38,800 | 12.1 | 1,500 | 2,700 | 4,620 |

Job outlook

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

Wages ?

Wage data is not available.

Labor Force Indicators

2016 Worker Characteristics

| Total workers | Nonresident workers | Percent nonresident | Percent age 45 plus | Percent age 50 plus |
|---------------|---------------------|---------------------|---------------------|---------------------|
| 236 | 36 | 15.3 | 34.0 | 26.5 |

2016 Potential Supply

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| Qualified but working in another occupation | 56 |
| Currently employed in a lower paid occupation | 23 |
| UI claimants previously working in occupation | 39 |

2016 ALEXsys Employment Data

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| Number of registrants | 293 |
| Number of job position postings | 43 |
| Ratio of registrants to job position postings | 6.8 |

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

Education: Associate's degree

Work experience: None

On-the-job training: None

Training Resources

| | Degree |
|---------------------------------------|--------|
| ABC of Alaska (Anchorage) | |
| Hazwoper Refresher | |
| OSHA 24-Hour Hazwoper Training Course | |

| | Degree |
|---|--------|
| Alaska Petroleum Academy (Kenai) | |
| Cook Inlet Training Standards/24 Hour Hazwoper | |
| Cook Inlet Training Standards/Hazwoper Refresher (8 Hours) | |
| Hazwoper 40 Hour Refresher (8hrs)/Confined Space Entry (8hrs) | |
| Hazwoper Certificate Bridge 40 Hour | |
| Petroleum Chemical Health and Safety (16 Hours) | |
| Petroleum Chemical Health and Safety Refresher (8 Hours) | |

| | Degree |
|--|--------|
| Alaska Teamster-Employer Service Training Trust (Anchorage) | |
| Hazardous Waste Operations and Emergency Response: First Responder | |
| Hazardous Waste Operations and Emergency Response: HAZWOPER | |
| Hazardous Waste Operations and Emergency Response: Refresher | |
| North Slope Training Cooperative | |

| | Degree |
|---|--------|
| Alaska West Training Center (Fairbanks) | |
| Hazardous Materials Technician Annual Refresher - ER03 | |
| Hazardous Waste Operations & Emergency Response Annual Refresher - HW04 | |
| Hazardous Waste Operations & Hazardous Materials Technician - ER02 | |
| Hazardous Waste Operations and Emergency Response - HW02 | |
| Hazardous Waste Operations Occasional Site Worker - HW01 | |
| Hazardous Waste Operations Supervisor - HW03 | |
| Highway Emergency Operations - ER07 | |
| Highway Specialist - ER04 | |
| Hydrogen Sulfide - H2S | |
| On-Scene Incident Commander - ER09 | |
| OSHA2 - OSHA (2-day) | |
| OSHA4 - OSHA (4-day) | |
| Petroleum Technician - ER06 | |
| Petroleum Workers Safety and Health - S05 | |

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| Railroad Specialist - ER05 | |
| Unescorted Module - NSTC01 | |
| Unescorted Module Update/Refresher - NSTC02 | |

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| Degree |
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American Health and Safety, LLC (Fairbanks)

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| Hazwoper 40 Hours | |
| Hazwoper 8 Hours | |

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| Degree |
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AVTEC (Seward)

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| HAZWOPER 24 HOUR | |
| HAZWOPER Refresher | |

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| Degree |
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Beacon Occupational Health and Safety Services (Anchorage)

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| Cook Inlet Training Standards & Industrial Safety (CITS) | Certificate |
| Cook Inlet Training Standards & Industrial Safety (CITS) Refresher | |
| Hazard Communication (HAZCOM) & Globally Harmonized Systems (GHS) | |
| Hazwoper 24-Hour | |
| Hazwoper 40-Hour | Certificate |
| Hazwoper 8-Hour Refresher | |
| North Slope Training Cooperative (NSTC), Optional H2S/FES | Certificate |
| Respiratory Protection | |

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| Degree |
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Center for Employment Education (Anchorage)

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| Hazardous Waste Operations and Emergency Response | |
| Hazardous Waste Operations and Emergency Response First-Responder | |
| Hazardous Waste Operations and Emergency Response Refresher | |

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| Degree |
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Environmental Management Inc (Anchorage)

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| Asbestos Abatement Certification | Certificate |
| Asbestos Abatement Renewal | Certificate |
| Asbestos Air Monitoring | Certificate |
| EPA/AHERA Inspector Initial | Certificate |
| EPA/AHERA Inspector Refresher | Certificate |
| EPA/AHERA Management Planner Initial | Certificate |
| EPA/AHERA Management Planner Refresher | Certificate |
| EPA/AHERA Project Design Initial - 24 Hours | Certificate |

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| EPA/AHERA Project Design Refresher | Certificate |
| EPA/Lead Renovation, Repair, and Painting | Certificate |
| Hazardous Waste Operations & Emergency Response (24 Hour) | Certificate |
| Hazardous Waste Operations & Emergency Response Initial (40 Hour) | Certificate |
| Hazardous Waste Operations & Emergency Response Refresher | Certificate |
| Hazardous Waste Supervisor | Certificate |
| Hazmat Transportation (DOT) Initial - 12 Hours | Certificate |
| Hazmat Transportation (DOT) Refresher - 8 Hours | |
| Hazmat Transportation (IATA) Initial - 12 Hours | Certificate |
| Hazmat Transportation (IATA) Refresher - 8 Hours | |
| NSTC 6 PACK + H2S Module | Certificate |
| Silica Awareness | Certificate |

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| Degree |
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Iisagvik College (Barrow)

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| Industrial Safety, Level 1 | Endorsement |
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| Degree |
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Kindred Spirits School of Massage (Fairbanks)

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| ANMA Japanese Hot Stone Practitioner Massage | |
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| Degree |
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LTR Training Systems, Inc. (Anchorage)

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| Fall Protection - Basic/Authorized | |
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| Fall Protection - Tower Climbing & Rescue | |
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| Degree |
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Northern Industrial Training (Palmer)

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| Emergency Response Awareness - 4 hour/031 | |
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| Energy Isolation - Lockout/Tag out/018 | |
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| Hazwoper 24 Hour / 029 | |
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| Hazwoper 40 Hour - General Site Worker / 028 | |
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| Hazwoper Refresher 8 Hour / 035 | |
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| Health, Safety & Environmental Technician (HSET)/064 | |
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| NSTC ASH Update / 003 | |
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| NSTC Confined Space Entry / 004 | |
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| NSTC Energy Isolation / 005 | |
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| NSTC Fall Protection / 006 | |
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| NSTC Hydrogen Sulfide (H2S) Module/002 | |
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| NSTC Respiratory Protection /007 | |
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| NSTC Unescorted/001 | |
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| PEC Premier Basic Orientation / 051 | |
| PEC Premier Core Compliance / 052 | |

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| | Degree |
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Satori Group Inc (Anchorage)

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| AHERA Building Inspector Initial | Certificate |
| AHERA Building Inspector Refresher | Certificate |
| AHERA Management Planner Initial | Certificate |
| AHERA Management Planner Refresher | |
| Asbestos Awareness | |
| Asbestos Awareness | Certificate |
| Asbestos Contractor/Supervisor Initial | Certificate |
| Asbestos Contractor/Supervisor Refresher | Certificate |
| Asbestos Contractor/Supervisor Refresher – Online | Certificate |
| Asbestos Operations and Maintenance | |
| Asbestos Project Designer Initial | Certificate |
| Asbestos Project Designer Refresher | Certificate |
| Hazard Communication | |
| HAZWOPER (Hazardous Waste Operations and Emergency Response) Initial | Certificate |
| HAZWOPER (Hazardous Waste Operations and Emergency Response) Initial | Certificate |
| HAZWOPER (Hazardous Waste Operations and Emergency Response) Refresher | Certificate |
| Lead Awareness | Certificate |
| NIOSH 582 | |
| Renovation Repair Painting (RRP) Initial | |

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| | Degree |
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Southwest Alaska Vocational and Education Center (Igiugig)

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| Hazwoper, 40 Hour | Certificate |
| Hazwoper, 8 Hour | Certificate |
| Hazwoper, 8 Hour Refresher | Certificate |

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| | Degree |
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TSS - The Safety Specialists (Ketchikan)

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| DOT Compliance Training | |
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| | Degree |
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University of Alaska, Mining and Petroleum Training Service (Soldotna)

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| Hazwoper 24 Hour | |
| Hazwoper 40 Hour | |
| Hazwoper 8 Hour | |
| North Slope Training Consortium (NTSC) | |

| Degree | |
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| VIP Alaska (Kenai) | |
| HAZMAT Endorsement | |

| Degree | |
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| Vocational Training and Resource Center (Juneau) | |
| Hazwoper Certification, 40-Hour | Certificate |
| Hazwoper Refresher Certification, 8-Hour | Certificate |

| Degree | |
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| Zender Environmental Health & Research Group (Anchorage) | |
| Rural Alaska Community Environmental Job Training (RACEJT) Program | Certificate |
| Sustainable Solid Waste Management (SSWM) Training | |

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