

Careers at-a-Glance

CAREER	INDUSTRY	SALARY RANGE	RELEVANT SKILLS	POST-SECONDARY PROGRAMS	COMPLETION TIME
Infrastructure Specialist	Housing	\$50,000 – 110,000 +	Design, Math, Problem Solving	Civil Engineering Technology	3 Years
Housing Inspector	Housing	\$30,000 – 150,000 +	Design, Problem Solving, Writing	Construction or Civil Engineering Technician Programs	2-3 Years
Architect	Housing	\$24,000 – 177,000 +	Computer Literacy, Design, Art, Computer Literacy	Architecture Technology, Bachelor of Architectural Studies	3 and 4 years respectively
Civil Engineer	Engineering	\$30,000 – 159,000 +	Math, Science, Design, Computer Literacy, Problem Solving	Civil Engineering	4 Years
Mechanical Engineer	Engineering	\$30,000 – 151,000 +	Math, Science, Design, Computer Literacy, Problem Solving	Mechanical Engineering	4 Years
Mining Engineer	Engineering	\$30,000 – 195,000 +	Math, Science, Design, Computer Literacy, Problem Solving	Mining Engineering	4 Years
Environmental Monitor	Environment	\$15 /hr – 35 /hr+	Interest in wildlife and Preservation, Writing	Environmental Studies	4 Years
Environmental Scientist	Environment	\$28,000 – 110,000 +	Chemistry, Preservation, Problem Solving	Environmental Technician	2 Years
Aquatic and Wildlife Technician	Environment	\$27,000 – 130,000 +	Interest in wildlife and Preservation, Writing	Fish and Wildlife Conservation Technician	2 Years
Firefighter	Fire & Safety	\$28,000 – 130,000 +	Physical Fitness, Confidence, Ability to work under pressure	Fire Fighter Pre-Service Education and Training	12-months
Water Treatment Plant Operator	Water & Wastewater	\$15 – 48 /hr+	Desire to Protect Public Health, Thorough, Record Keeping	Operator in Training Exam, Entry-Level course for Water Operators	Apprenticeship after OIT for 1 Year
Water/Wastewater Mechanic	Water & Wastewater	\$30,000 – 70,000 +	Problem Solving, Excellent Practical Skills	On the Job Training	Start Work out of Highschool
Public Works Manager	Operations & Maintenance	\$28,000 – 174,000 +	Communication Skills, Understanding of Budgeting, Strong Leadership	Civil Engineering Technology	3 Years
Emergency Planner	Emergency Planning	\$28,000 – 130,000 +	Critical Thinking and Decision Making, Communication	Certified Emergency Manager Exam (CEM)	Study for Exam out of Highschool
Welder Fitter	Trades	\$15 – 49 /hr+	Ability to read and interpret designs, Excellent Practical Skills	Welding and Fabrication Technician	2 Years
Drilling and Blasting Technician	Mining	\$33,000 – 60,000 +	Calm Hands, Lift Heavy Objects, work in Confined Spaces, Math and Analytical Skills	Mining Engineering Technician, Mining Engineering Technology	2-3 Years
Geologist	Mining	\$33,000 – 136,000 +	Design, Math, Problem Solving, Writing	Geology - Physics, Geoarchaeology,	3-4 years
Heavy Equipment Operator	Trades	\$15 – 56 /hr+	Teamwork, Attention to Detail, Understand Designs	Heavy Equipment Technician	2 years
General Trades	Trades	\$14 – \$26 /hr+	Stamina, Critical Reasoning Skills, Attention to Detail, Willingness to Learn from Peers	Construction, Electrical, Machining,	1 year
X-ray Technician	Health Sciences	\$60,000 – \$90,000 +	Math, Science, Computer Literacy, Analytical, Chemistry	Medical Radiation Technology	3 years
Lab technician	Health Sciences	\$15 /hr – 48 /hr+	Math, Science, Computer Literacy, Analytical, Chemistry	Medical Laboratory Technician	1 year
Surveyor	Trades	\$15 – 44 /hr+	Math, Attention to Detail, Computer Literacy, Problem Solving	Geomatics	2 years