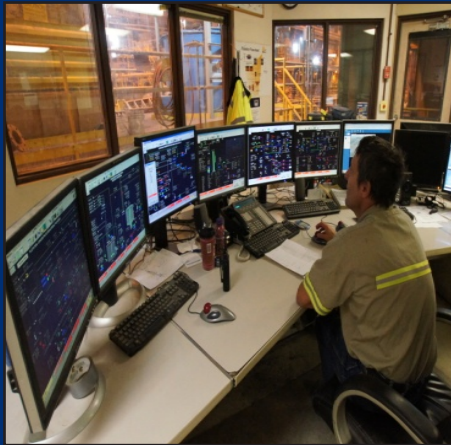


Nevada Mining - A Career with State-of-the-Art Technology and Equipment

Learn how to prepare for your career in mining!



Why Mining?

Why consider a career in mining? For starters, jobs in mining, whether you are manager, an engineer, geologist, or technician, pay exceptionally well with outstanding benefits. The mining industry are among the top paying jobs in the state. The mining industry has hundreds of job openings at any given time with growth that has outpaced all other industries for the past several years and predicted for the foreseeable future. Many mining jobs offer scholarships, internships for graduates, and mentoring with the opportunity to grow from entry level into senior level and/or management positions, setting you on a fulfilling career path.

How do I get started in Mining?

- Keep your grades up in high school. Take math, science, computer and English classes.
- Take a virtual tour of a mine site at www.nevadamining.org
- Explore careers you might be interested in at Connect with NCIS at www.nvcis.intocareers.org
- Explore careers and employment possibilities at www.NevadaYouth.org
- Do you know anyone who works in mining? Interview him/her and ask if you can visit his/her workplace.
- Make a plan based on your interests. How much training do different jobs require? Where can you find the training you need? How will you pay for it? What steps can you take to get you closer to your goal?

TYPICAL CAREER PATHS

Where to get the training: Great Basin College, Truckee Meadows Community College, University of Nevada Las Vegas, University of Nevada Reno, Western Nevada College, Nevada State College, College of Southern Nevada

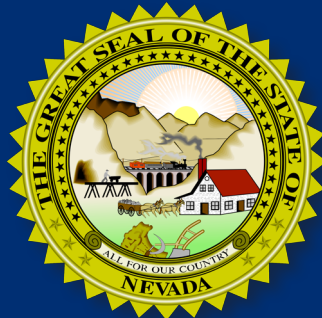
Mining Career Pathways by Education and Training Level

Education and Training	Mining and Process Operations & Maintenance	Metallurgy	Geology	Environmental	Safety, Health, and Security	Administrative and Support
4-year Bachelor's Degree or Higher	Mining Engineer, Electrical Engineer, Process Engineer, Metallurgical Engineer, Mine Operations or Mine Maintenance Management	Metallurgical Engineers, Chemists, Lab Supervisor	Geologist (Exploration or Operations), Hydrologist, Geology Management	Environmental Engineer or Sr. Coordinator, Land Manager, Hydrologist, Environmental Management, Reclamation Manager, Geo-statistician.	Safety Engineer, Safety Manager or Supervisor, Security Manager, Industrial Hygienist	Site Controller, Accounting Manager, Accountants, Human Resources Manager, Sr. HR Coordinator, IT Manager, Network Administrators
2- year Associates Degree, 1 Year Certificate or Technical Education,	Mobile Maintenance Technician, Mine Maintenance Technician, Process Maintenance Technician, Welder, Shovel Operator, Electrical & Instrumentation Technician, Planner, Surface and Underground Miners (experienced), Process Operator (experienced)	Metallurgical Technicians, Assay Lab Technicians	GIS Coordinator, Chief Surveyor, Surveyors (Underground and Surface), Modeler, Geo-statistician	Environmental Coordinator	Safety Representative,, Industrial Hygienist, Safety Trainer, Security Technician	Payroll Supervisor, Warehouse Technicians, Human Resources Coordinators or Specialists, Recruiters, Trainers, IT Technicians or Help Desk, Radio Technician
High School Diploma or GED with On-the-Job Training	Maintenance Technician Trainee, Lube Technician, Surface Mine Operator Trainee, Underground Miner Trainee, Process Operator Trainee, Utility Technician	Metallurgical Technician Trainee, Assay Lab Trainee	Survey Technicians (Underground or Surface), Ore Grade Control Technicians	Environmental Technicians	Security Technician Trainee, Safety Technician Trainee	Administrative Assistants, A/P Clerks
Common Certifications Recognized by the Mining Industry. Examples are based on education and experience.	AWS Certified Welder (American Welding Society) Workforce Readiness (Work Keys Great Basin College: Diesel Technology Certificate; Welding Technology Certificate; Electrical Systems Certificate; Industrial Millwright Technology Certificate	Professional Engineer (PE)	Professional Geologist (PE) Land Surveyor	Nevada Certified Environmental Manager Certified Environmental Professional Registered Environmental Manager	Certified Mine Safety Professional (CMSP)	Accounting: Certified Public Accountant (CPA) Supply Chain: Certified Purchasing Professional (CPP) Human Resources: Professional in Human Resources (PHR) IT: Microsoft Certified Professionals (MCP)

Our mission is to provide Nevada's businesses with access to a qualified workforce and encourage equal employment opportunities.

HOT JOBS IN MINING

Make sure you get the **RIGHT EDUCATION** to jump start your mining career!



Nevada Mining

PREFERRED EDUCATION & TRAINING FOR IN-DEMAND MINING POSITIONS

IN-DEMAND POSITIONS

PREFERRED HIGH SCHOOL COURSES FOR MINING POSITIONS

Electronic Technology 1 - Adv. Studies	Mechanical Technology 1 - Adv. Studies	Metalworking 1 - Adv. Studies	Welding Technology 1 - Adv. Studies	Diesel Technology 1 - Adv. Studies	Ag Mech Engineering Technology 1 & 2	Ag MET Structural Systems	Ag MET Power Systems	Ag MET Equipment Fabrication	Environmental Studies	Health Science 1-2	Emergency Medical Services	Computer Medical Technician	Principles of Business/Marketing
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	IN-DEMAND POSITIONS	PREFERRED EDUCATION & TRAINING FOR IN-DEMAND MINING POSITIONS	Electronic Technology 1 - Adv. Studies	Mechanical Technology 1 - Adv. Studies	Metalworking 1 - Adv. Studies	Welding Technology 1 - Adv. Studies	Diesel Technology 1 - Adv. Studies	Ag Mech Engineering Technology 1 & 2	Ag MET Structural Systems	Ag MET Power Systems	Ag MET Equipment Fabrication	Environmental Studies	Health Science 1-2	Emergency Medical Services	Computer Medical Technician	Principles of Business/Marketing
1	Electrician & Instrumentation Technician	Associates Degree in Electrical and Instrumentation	*	*		*		*	*	*	*				*	
2	Mobile Maintenance (Diesel) Technician	Associates Degree in Diesel Technology	*	*	*	*	*	*	*	*	*				*	
3	Fixed Maintenance (Millwright) Technician	Associates Degree in Industrial Maintenance Technology	*	*	*	*	*	*	*	*	*				*	
4	Welding Technician	Associates in Welding Technology	*	*	*	*	*	*	*	*	*				*	
5	Mine Equipment Operator	High School Diploma / GED		*	*	*	*	*	*	*	*				*	
6	Underground Miner	High School Diploma / GED		*	*	*	*	*	*	*	*				*	
7	Process Operator	High School Diploma / GED	*	*		*						*			*	
8	Assay Lab Technician	High School Diploma / GED		*								*			*	
9	Engineer - Mining, Metallurgical, Geological, and Environmental	Bachelor Degree in Engineering	*	*	*	*	*	*	*	*	*	*			*	*
10	Safety & Health Representative (Includes Industrial Hygienist)	Associates Degree or higher										*	*	*	*	*
11	Maintenance Planner	Associates Degree in Maintenance Technology	*	*	*	*	*	*	*	*	*				*	*
12	Surveyor	Associates Degree or higher										*			*	

This list of course studies is preferred when entering career paths in one of Mining's In-Demand Positions.

Academic courses may vary among school districts. Please check with your school counselor.

For detailed information please visit: cteae.nv.gov

HIGH SCHOOL	9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
*Base Course schedule that students will be required to take in High School:	English I	English II	English III	English IV
	Algebra I	Geometry	Algebra II	Senior Level Math Course
	Biology	Chemistry or Geoscience	Junior Level Science Course	Elective
	Health / Computer Literacy	World History	US History	US Government
	Physical Education	Physical Education	Foreign Language or Elective	Foreign Language or Elective