

ASSOCIATION FOR CONSTRUCTION CAREER DEVELOPMENT



AZ Construction Career Days

Association For Construction Career Development (ACCD)

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MISSION STATEMENT

To Support and Promote the Construction Industry Through Education and Employment Non-Profit 501(c)3



This is important work for our students – and the future of Arizona. We know that when we expose students to career paths like construction through Career and Technical Education (CTE) and other avenues, we are deepening their learning experiences and preparing them for success in college and careers. For this reason, my administration is fully supportive of providing high-quality CTE opportunities for students across our state.

Construction Sciences give students a peek at a whole range of careers in the construction industry. Whether it's carpentry, architecture, engineering, or becoming

an electrician, opportunities like the ones offered through AZCCD ensure our students are highly-trained for positions we know are in high-demand. I appreciate the work of AZCCD to connect Arizona students to hands-on learning that will prepare them for fulfilling careers and post-secondary pathways!

Kathy Hoffman

Superintendent of Public Instruction

SPECIAL THANKS TO ALL OF OUR Volunteers, Sponsors, Exhibitors and Schools

Without you, AZCCD wouldn't be the success that it is!

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"The Arizona Department of Emergency and Military Affairs, with more than 8,300 Citizen-Soldiers, Airmen, and civilian workforce, is proud to host the 2022 Arizona Construction Career Days here at Papago Park Military Reservation. We welcome these young adults, our community partners, employers, and educators to our facility so they can conduct this year's event. As a prior college professor and a lifelong academic, I am passionate about investing in access to education and vocational opportunities. Providing Arizona's young adults an opportunity to meet with representatives of the construction sector exposes them to emerging technologies, internships, higher education pathways, and service in the Arizona National Guard. I want to thank our community partners for their support of the men and women of Arizona National Guard and the opportunity to motivate Arizona's youth to help construct a better tomorrow."

-Major General Kerry L Muehlenbeck Director of Arizona's Department of Emergency and Military Affairs



"A strong economy is dependent on transportation infrastructure and the construction industry is a tremendous part of ensuring we have quality and well-constructed roads and bridges. This type of construction requires skilled workers, yet the numbers of those entering the field is declining. Construction careers in road and bridge building can be very rewarding and productive. The Arizona Construction Career Days event is just one way to learn about the excellent opportunities available in highway construction. The Federal Highway Administration is a strong ally of the Career Days event. We believe events of this nature provide valuable insight regarding construction careers and expand the knowledge of those entering the workforce. The Arizona Division of the Federal Highway Administration is also very pleased to sponsor the Arizona Department of Transportation's Construction Academy. The Construction Academy is a training program providing access to employment opportunities in the highway construction industry. I encourage all to consider careers in the highway construction Industry. Highway construction careers can be very satisfying plus you are directly contributing to this nation's economy."

-Karla S. Petty Federal Highway Administration, Arizona Division Administrator



"It is no mystery that a strong economy in Arizona is predicated on an equally robust, well-educated workforce. Our needs will only continue to grow as demand from future growth and the loss of our senior level employees with key institutional knowledge will create a gap. It is incumbent on the construction aggregate supply industry to support (CTE), career technical training programs, internships and illuminating opportunities in our industry sector. Most of all, we must support critical programs such as the Arizona Construction Career Days in order to bridge that gap. The Arizona Rock Products Association and its members are grateful for the efforts of the AZCCD staff and are honored to be a part of this tremendous annual event."

-Steve Trussell
Executive Director of the Arizona Rock Products Association
and Arizona Mining Association



Welcome to a Career in Construction!

The Association for Construction Career Development (ACCD) is delighted to have you participate and share in Arizona Construction Career Days! We want to thank our community partners and industry leaders for all the support over the years. AZCCD goal remains intact to ensure the construction work shortage utilizes its largest resource, our Arizona High School students and our National Guard Veterans.

Our Career Guide offers insight into the various educational pathways such as Career and Technical Education (CTE), apprenticeship training, along with two-year and four-year college programs and contractors who are currently looking to hire employees.

Construction is an honorable career path, fostering values of dedication, excellence and pride in workmanship "For a job well done!"

Prepare yourself to be challenged, excited and inspired by the spirit of Arizona Construction Career Days and our leaders. Together our partnerships will yield the outcome to create the Construction Science Professionals "To Build Tomorrow's Workforce Today!"

Best of Luck, Rose Ann Canizales President Association for Construction Career Development Non- Profit 501(c)3



HUMBERTO R. MARTINEZ

November 2, 1946 - July 2, 2022

Humberto Rodriguez Martinez, 75, of Fort Worth, Texas, passed away on July 2.

Humberto served with the Federal Highways Administration (FHWA) for 33 years. He retired from FHWA as Associate Director for Professional Development, assigned to the Office of Human services in Washington D.C.

Following his retirement, in 1998 Humberto, Mike LaPointe, Ross Martinez and Greg Mooney founded Construction Career Days in Texas. They shared their CCD best practices & vision across the country, showcasing direct & hands-on opportunities for High School students. Additionally, he served as technical advisor to the National Construction Career Days in Rhode Island. He believed the industry offers rewarding career and business ownership opportunities for America's Youth.

Humberto was an active advocate for the Arizona Construction Career Days team. He was as a valued mentor and became a dear friend to us all. Traveling from his home in Fort Worth he visited numerous times over the 20 year span in support of AZCCD. His intelligence and witty humor were no match for most which made his company most enjoyable. His character was that of doing the right thing but never looking for the credit.

Humberto once told me, "There are two kinds of people in this world, Givers & Takers." He led by example, with his selfless giving.

GOD BLESS YOU HUMBERTO, WE WILL MISS YOU!

GOVERNOR DOUGLAS A. DUCEY

PROCLAMATION

WHEREAS, Careers in the Construction Science Technology Professions Month is an annual month designated nationally in October to increase public awareness and appreciation of the construction sciences and of the entire construction workforce; and

WHEREAS, during October, employers, associations, and schools are encouraged to conduct job fairs, panel discussions, and local community events to inform students of the vast career opportunities in construction professions during this month; and

WHEREAS, Arizona proudly recognizes both national and state efforts to introduce this respectable career to youth and young adults, specifically the work and dedication of the National Center for Construction Education and Research, the Build Your Future Organization, SkillsUSA Inc., the Arizona Department of Education's Career and Technical Education Division, the Arizona Department of Economic Security's Arizona@Work Initiative, Arizona Construction Career Days, Southern Arizona Construction Career Days, and other similarly missioned organizations; and

WHEREAS, the construction industry is one of our nation's largest industries, employing more than seven million individuals in the United States and more than 182,000 in Arizona; and

WHEREAS, Arizona is projected to need over 260,000 additional construction science technology professionals by 2025; and

WHEREAS, we are pleased to honor the construction sciences and the critical role they play in the development of our great State of Arizona.

NOW, THEREFORE, I, Douglas A. Ducey, Governor of the State of Arizona, do hereby proclaim October 2022

CAREERS IN THE CONSTRUCTION SCIENCE TECHNOLOGY PROFESSIONS MONTH

IN WITNESS WHEREOF, I have hereunto set my hand and caused to be affixed the Great Seal of the State of Arizona

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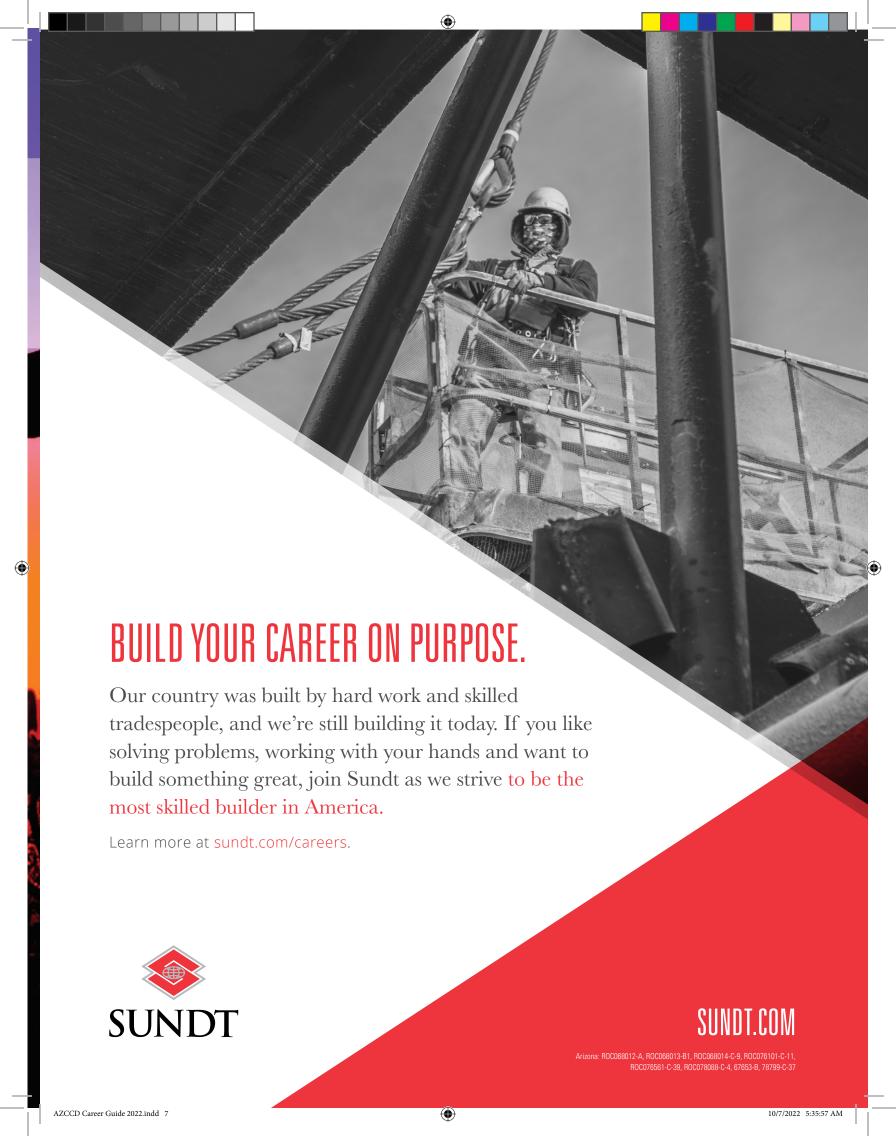
GOVERNOR

DONE at the Capitol in Phoenix on this sixth day of September in the year Two Thousand and Twenty-Two and of the Independence of the United States of America the Two Hundred and Forty-Seventh.

ATTEST:

SECRETARY OF STATE

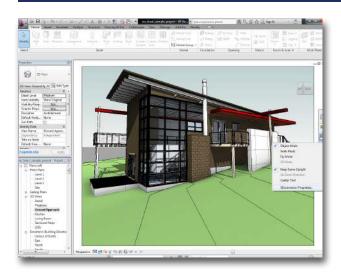






Trade Descriptions

This section is a glossary to help give you a better understanding of what each trade is. We have not touched on every trade here, but have given you the most widely known trades used everyday in the construction industry.



ARCHITECT: An architect is a person trained in the planning, design and oversight of the construction of buildings. To practice architecture means to offer or render services in connection with the design and construction of a building, or group of buildings and the space within the site surrounding the buildings, that have as their principal purpose human occupancy or use.

Professionally, an architect's decisions affect public safety, and thus an architect must undergo specialized training consisting of advanced education and an internship for practical experience to earn a license to practice architecture. The practical, technical, and academic requirements for becoming an architect vary by jurisdiction.

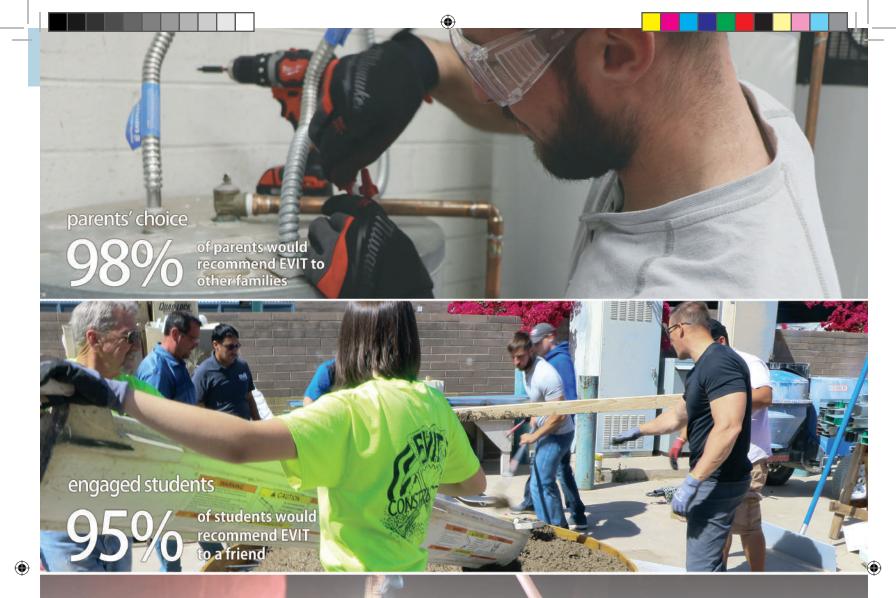
Architecture is a business in which technical knowledge, management, and an understanding of business are as important as design. An architect accepts a commission from a client. The commission might involve preparing feasibility reports, building audits, the design of a building or of several buildings, structures, and the spaces among them.

Architects prepare the technical or "working" documents (construction drawings and specifications), usually coordinated with and supplemented by the work of a variety of disciplines [i.e., with varied expertise like mechanical, plumbing, electrical, civil, structural, etc.] Engineers for the building services and that are filed for obtaining permits (development and building permits) that require compliance with building, seismic, and relevant federal and local regulations. These construction drawings and specifications are also used for pricing the work, and for construction.

Education and Training: To become a registered architect in Arizona, students typically will require a high school diploma and a bachelors 4 year degree. To work in many other states, a professional 5 year degree or masters is required. After graduation, architects-in-training complete 3 years of internship and must successfully pass their registration exams to become a Registered Architect.

CARPENTER: A carpenter constructs, erects, installs, and repairs structures and fixtures made from wood, metal and other materials. Carpenters are involved in many different kinds of construction, from the building of highways, bridges, houses, schools, hospitals and commercial buildings. Each carpentry task is somewhat different, but most involve the same basic steps. Working from blueprints or instructions from supervisors, carpenters first do the layout—measuring, marking, and arranging materials—in accordance with local building codes. They cut and shape wood, metal, plastic, fiberglass, or drywall using hand and power tools, such as chisels, planes, saws, drills, and sanders. They then join the materials with nails, screws, staples, or adhesives. In the last step, carpenters do a final check of the accuracy of their work with levels, rules, plumb bobs, framing squares, and surveying equipment, and make any necessary adjustments. Some materials come prefabricated, allowing for easier and faster installation. Carpenters may do many different carpentry tasks, or they may specialize in one or two. Carpenters who remodel homes and other structures, for example, need a broad range of carpentry skills. As part of a single job, they might frame walls and partitions, put in doors and windows, build stairs, install cabinets and molding, and complete many other tasks. Well-trained carpenters are able to switch from residential building to commercial construction or remodeling work, depending on which offers the best work opportunities.





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- CR-11 Electrical | License No 326916
- CR-67 Low Voltage Communication Systems | License No 296156
- A General Engineering / CA | License No 1077870

Trade Descriptions Continued

CARPENTER (CONT.)

Education and Training: Learning to be a carpenter can start in high school. Classes in English, algebra, geometry, physics, mechanical drawing, blueprint reading, and construction tech will prepare students for the further training they will need. After high school, there are a number of different ways to obtain the necessary training. Some people get a job as a carpenter's helper, assisting more experienced workers. At the same time, the helper might attend a trade or vocational school, or community college to receive further trade-related training and eventually become a carpenter. Some will attend formal apprenticeship programs. These programs combine on-the-job learning with related classroom instruction. Apprentices usually must be at least 18 years old and meet local requirements. Apprenticeship programs usually last 4 years with 2,000 OJL hours and 144 class hours per year.

CONCRETE FORM BUILDER: A Concrete

Form Builder works for large construction contractors or specialty contractors. They perform tasks, such as constructing wooden job built or patented forms for pouring concrete for tunnels, bridges, sewer construction projects along with building forms for buildings such as hospitals, schools, commercial and industrial buildings. The forms built are used to support the concrete that is going to be poured for walls, columns, slabs, foundations and footings.

Education and Training: There are a number of different ways to obtain the necessary training. Some people get a job as a helper or labor, assisting more experienced workers. At the same time, the helper might attend a formal apprenticeship program. This program combines on-the-job learning with related classroom instruction. Apprentices usually must be at least 18 years old and meet local requirements. Apprenticeship programs usually last 2 to 3 years with 2,000 OJL hours and 144 class hours per year.

CONSTRUCTION MANAGER: A

construction manager is in charge of the overall planning, coordination and control of a project from inception to completion aimed at meeting a client's requirements in order to produce a functionally and financially viable project that will be completed on time within authorized cost and to the required quality standards. Project management is the process by which a project is brought to a successful conclusion.

The Construction Management Association of America (CMAA) (a primary US construction management certification and advocacy body) says the 120 most common responsibilities of a Construction Manager fall into the following 7 categories: Project Management Planning, Cost Management, Time Management, Quality Management, Contract Administration, Safety Management, and CM Professional Practice which includes specific activities like defining the responsibilities and management structure of the project management team, organizing and leading by implementing project controls, defining roles and responsibilities and developing communication protocols, and identifying elements of project design and construction likely to give rise to disputes and claims.

Construction Manager Functions

The functions of construction project management typically include the following:

- 1. Specifying project objectives and plans including delineation of scope, budgeting, scheduling, setting performance requirements, and selecting project participants.
- 2. Maximizing resource efficiency through procurement of labor, materials and equipment.

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- 3. Implementing various operations through proper coordination and control of planning, design, estimating, contracting and construction in the entire process.
- 4. Developing effective communications and mechanisms for resolving conflicts.

The academic field of construction management encompasses a wide range of topics. These range from general management skills, to management skills specifically related to construction, to technical knowledge of construction methods and practices. There are many schools offering Construction Management programs, including some that offer a Masters and doctoral degree.

Research shows that 53% of the construction industry will retire by 2036. With the industry already struggling to fill critical skilled positions, now is an excellent time to explore construction.

--Build Your Future www.byf.org

Trade Descriptions Continued

maintains all of the electrical and power systems for our homes, businesses, and factories. They install and maintain the wiring and control equipment through which electricity flows. They also install and maintain electrical equipment and machines in factories and a wide range of other businesses. When installing wiring, electricians use hand tools such as conduit benders, screwdrivers, pliers, knives, hacksaws, and wire strippers, as well as power tools such as drills and saws. Later, they use ammeters, ohmmeters, voltmeters, harmonics testers, and other equipment to test connections and ensure the compatibility and safety of components.

Education and training: Apprenticeship programs combine paid on-the-job training with related classroom instruction. Apprenticeship programs usually last 4 years. Each year includes at least 144 hours of classroom instruction and 2,000 hours of on-the-job learning. On the job, apprentices work under the supervision of experienced electricians. Before entering an apprenticeship program, all apprentices need a high school diploma or a General Equivalency Diploma (G.E.D.).

ENGINEER: An engineer is a professional practitioner of engineering, concerned with applying scientific knowledge, mathematics and ingenuity to develop solutions for technical and practical problems. Engineers design materials, structures, machines and systems while considering the limitations imposed by practicality, safety and cost.

Engineers are grounded in applied sciences, and their work in research and development is distinct from the basic research focus of scientists. The work of engineers forms the link between scientific discoveries and their subsequent applications to human needs.

During the engineering design process, the responsibilities of the engineer may include defining problems, conducting and narrowing research, analyzing criteria, finding and analyzing solutions, and making decisions. Much of an engineer's time is spent on researching, locating, applying, and transferring information.

Engineers must weigh different design choices on their merits and choose the solution that best matches the requirements. Their crucial and unique task is to identify, understand, and interpret the constraints on a design in order to produce a successful result.

HEAVY EQUIPMENT OPERATOR:

Heavy Equipment Operators use machinery to move construction materials, earth, and other heavy materials at construction sites and mines. They operate equipment that clears and grades land to prepare it for construction of roads, buildings, and bridges, as well as airport runways, power generation facilities, dams, levees, and other structures. They use machines to dig trenches for utilities, and hoist heavy construction materials.

Construction equipment operators also operate machinery that spreads asphalt and concrete on roads and other structures. Construction equipment is more technologically advanced than it was in the past. For example, global positioning system (GPS) technology is now used to help with grading and leveling. They operate excavation and loading machines equipped with scoops, shovels, or buckets that dig sand, gravel, earth, or similar materials and load it into trucks or onto conveyors. In addition to operating bulldozers, they operate trench excavators, road graders, and similar equipment. Sometimes, they drive and control industrial trucks or tractors equipped with forklifts or booms for lifting materials or with hitches for pulling trailers.

Education and Training: It is generally accepted that formal training provides more comprehensive skills. Some construction equipment operators train in formal operating engineer apprenticeship programs; because apprentices learn to operate a wider variety of machines than do other beginners, they usually have better job opportunities. Apprenticeship programs consist of 3 years and 5,000 hours, of paid on-the-job learning together with 144 hours of related classroom instruction each year.

HEAVY EQUIPMENT MECHANIC:

Heavy Equipment Mechanics are indispensable in the construction industry. Heavy Equipment Service Technicians and Mechanics repair and maintain engines, hydraulics, transmission, and electrical systems for this equipment. Cranes, bulldozers, loaders, motor graders, back hoes and excavators are all examples of heavy equipment that require such service. They service fuel, brake, and transmission systems to ensure peak performance, safety, and longevity of the equipment. Maintenance checks and comments from equipment operators usually alert technicians to problems. After locating the problem, these technicians rely on their training and experience to use the best possible technique to solve it.

With many types of modern equipment, technicians can use diagnostic computers to diagnose components needing adjustment or repair. If necessary, they may partially dismantle affected components to examine parts for damage or excessive wear. Then, using handheld tools, they repair, replace, clean, and lubricate parts as necessary. In some cases, technicians recalibrate systems by typing codes into the onboard computer. After reassembling the component and testing it for safety, they put it back into the equipment and return the equipment to the field.

Education and Training: High school courses in automobile repair, physics, chemistry, and mathematics provide a strong foundation for a career as a service technician or mechanic. After high school, those interested in heavy equipment repair can choose to attend 2 year programs at community colleges or vocational schools that offer diesel technology or heavy equipment mechanics.

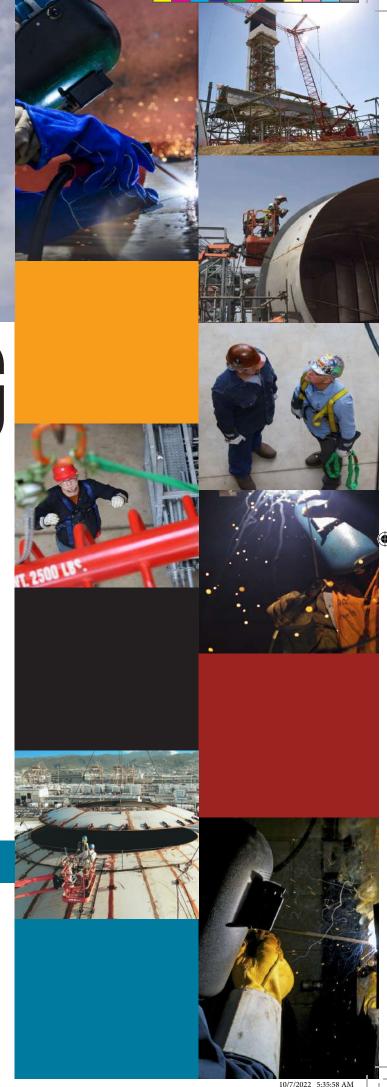


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Trade Descriptions Continued

HEAVY EQUIPMENT MECHANIC CONT:

High school graduates can also go through formal apprenticeship training. The apprenticeship program consists of 3 years and 6,000 hours, of paid on-the-job learning together with 144 hours of related classroom instruction each year.

HVAC TECHNICIAN: Heating, ventilation, air-conditioning, and refrigeration systems are known as HVAC or HVACR. An HVAC system allows building residents to provide a comfortable, climate controlled environment. The installers and mechanics for an HVAC system are called technicians. An HVAC technician will be trained in installation and maintenance, but may specialize in one or the other. HVAC technicians can also choose an equipment specialty, such as commercial refrigeration, hydroponics, or solar panels. HVAC systems consist of hundreds of electrical, electronic, and mechanical parts. Depending upon the day, an HVAC technician may be maintaining a system, diagnosing and repairing problems, or installing and replacing components or entire systems.

Depending upon the season, HVAC technicians will perform additional maintenance or upgrades on out of season equipment. For example, in the summer, heating systems will undergo performance checks and regular maintenance to ensure their readiness for the winter.

Education and Training: A majority of HVAC technicians receive their training from community colleges, technical or trade schools, or the United States armed forces. Training can take between 6 months to 2 years from each element of study (heating, air conditioning, refrigeration). Standards for HVAC training are set by three accrediting organizations. These agencies are HVAC Excellence, the National Center for Construction Education and Research (NCCER), and the Partnership for Air Conditioning, Heating, and Refrigeration Accreditation (PHARA). Apprenticeships are another route an HVAC technician can take. An apprenticeship will usually run between 3 and 5 years, and require a qualified mentor. Apprentices need a high school diploma at the least. An apprenticeship will combine hands-on learning of at least 2,000 clock hours per year and 144 clock hours of classroom instruction. After completion, an apprentice will be considered a skilled trade's worker.







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Trade Descriptions Continued

IRONWORKER: An ironworker is a tradesman (man or woman) who works in the ironworking industry. Ironworkers erect, or even dismantle, the structural steel framework of pre-engineered metal buildings, single and multi-story buildings, stadiums, arenas, hospitals, towers, wind turbines, and bridges. Ironworkers assemble the structural framework in accordance with engineered drawings. Ironworkers also unload, place and tie reinforcing steel bars (rebar) as well as install post-tensioning systems, both of which give strength to the concrete used in piers, footings, slabs, buildings and bridges. Ironworkers load, unload, place and set machinery and equipment and operate power hoists, forklifts, and aerial lifts. They unload, place and fasten metal decking, safety netting and edge rails to facilitate safe working practices. Ironworkers finish buildings by erecting curtain wall and window wall systems, pre-cast concrete and stone, stairs and handrails, metal doors, sheeting and elevator fronts. Ironworkers perform all types of industrial maintenance as well.

MASON: A mason undergoes comprehensive training, both in the classroom and in the working environment. Hands-on skill is complemented by intimate knowledge of each stone type, its application and best uses, and how to work and fix each stone in place. The mason may be skilled and competent to carry out one or all of the various branches of stonemasonry. In some areas the trend is towards specialization, in other areas towards adaptability. Masons use all types of natural stone: igneous, metamorphic and sedimentary; while some also use artificial stone as well.

PLUMBERS AND PIPEFITTERS: Most

people are familiar with plumbers who come to their home to unclog a drain or fix a leaking toilet. Plumbers and pipefitters install, maintain, and repair many different types of pipe systems. Some of these systems move water from reservoirs to municipal water treatment plants and then to residential, commercial, and public buildings.







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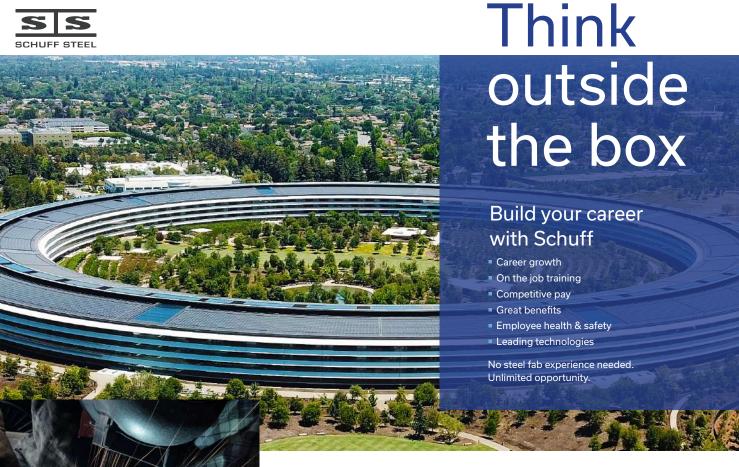
Trade Descriptions Continued

PLUMBERS AND PIPEFITTERS (CONT):

Other systems dispose of waste, supply gas to stoves and furnaces, or provide for heating and cooling needs. Pipe systems in power plants carry the steam that powers huge turbines. Pipes also are used in manufacturing plants to move material through the production process. Specialized piping systems are very important in both pharmaceutical and computerchip manufacturing. Although plumbing and pipefitting are sometimes considered a single trade, workers generally specialize in one of the areas. Plumbers install and repair the water, waste disposal, drainage, and gas systems in homes and commercial and industrial buildings. Plumbers also install plumbing fixtures bathtubs, showers, sinks, and toilets—and appliances such as dishwashers, waste disposers, and water heaters. Pipefitters install and repair both high-pressure and low-pressure pipe systems used in manufacturing, in the generation of electricity, and in the heating and cooling of buildings. They also install automatic controls that are increasingly being used to regulate these systems.

Education and Training: Plumbers and pipefitters enter into the occupation in a variety of ways. Most plumbers and pipefitters get their training through apprenticeships or in technical schools and community colleges. Apprenticeships consist of 4 or 5 years of paid on-thejob learning and at least 144 hours of related classroom instruction per year. Classroom subjects include drafting and blueprint reading, mathematics, applied physics and chemistry, safety, and local plumbing codes and regulations. On the job, apprentices first learn basic skills, such as identifying grades and types of pipe, using the tools of the trade, and unloading materials safely. As apprentices gain experience, they learn how to work with various types of pipe and how to install different piping systems and plumbing fixtures. Apprenticeship gives trainees a thorough knowledge of all aspects of the trade. Although most plumbers and pipefitters are trained through apprenticeships, some still learn their skills informally on the job or by taking classes on their own. Apprenticeship programs generally provide the most comprehensive training available for these jobs.





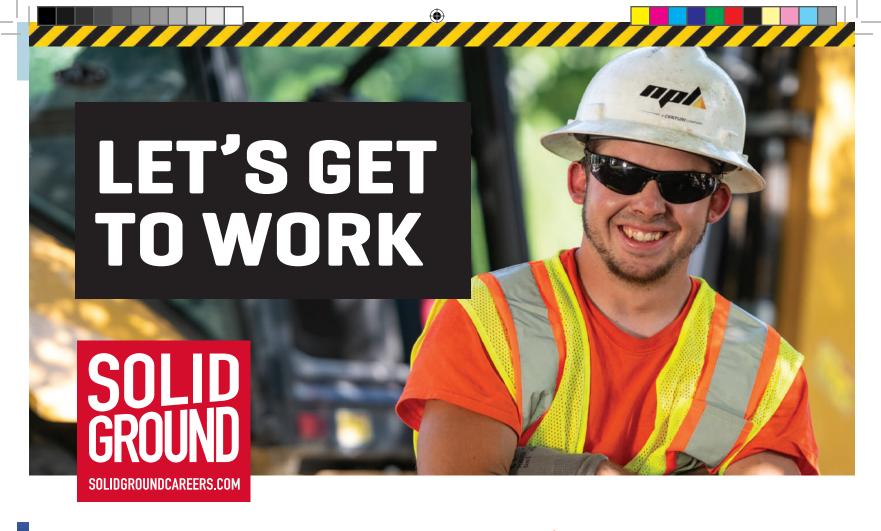
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Trade Descriptions Continued

PLASTERER: A plasterer is a tradesman who works with plaster, such as forming a layer of plaster on an interior wall or plaster decorative moldings on ceilings or walls. The process of creating plasterwork, called plastering, has been used in building construction for centuries

QUALITY CONTROL LAB TECH:

A Quality Control Lab Technician collects samples of aggregate products from trucks, stockpiles, and conveyor belts. Tests samples for conformance to specifications using appropriate laboratory equipment and in accordance with established standard operating and testing procedures. Inspects stockpiles, pit, plant, load out and customer trucks on a regular basis to ensure product conformance to specifications. Reports results of tests and inspections to the production supervisor, plant manager and customer as directed. Completes and maintains reports and documentation of all testing and inspection performed as required by regulations and customer agreements. Maintains communication with customers, salespersons and production personnel as to the compliance of products and resolution of issues. Complies with all environmental, health, safety & training policies, procedures and requirements.

ROOFER: A roofer specializes in roof construction, concentrating on the application of materials that water proof and / or weather proof buildings, designed material—as a substrate for the roofing materials to be installed on. The rafters, beams, and trusses are the frame or skeleton for the roof to be built upon. Naturally, a roofer must not be scared of heights and have good balance as well as carpentry skills. In Australia this type of carpenter is called a roof carpenter and in that country a roofer is someone who puts on the roof cladding (tiles, tin, etc.). In the USA a well trained roofer is called a journeyman. In California, if a journeyman wishes and has three consecutive years working in the field, he is eligible to pass a state test for a contractors license.





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Trade Descriptions Continued

TRADESMAN: A tradesman is a skilled manual worker in a particular trade or craft. Economically and socially, a tradesman's status is considered between a laborer and a professional, with a high degree of both practical and theoretical knowledge of their trade. In cultures where professional careers are highly prized there can be a shortage of skilled manual workers, leading to lucrative niche markets in the trades.

A tradesman begins as an apprentice, but the apprenticeship is carried out partly through working for a tradesman and partly through an accredited trade school for a definite period of time (usually around 4 years), after which he/she is fully qualified.

WELDER: A welder (also weldor, which term distinguishes the tradesman from the equipment used to make welds) is a tradesman who specializes in welding materials together. The materials to be joined can be metals (such as steel, aluminum, brass, stainless steel etc.) or varieties of plastic or polymer. Welders typically have to have good dexterity and attention to detail, as well as some technical knowledge about the materials being joined and best practices in the field.

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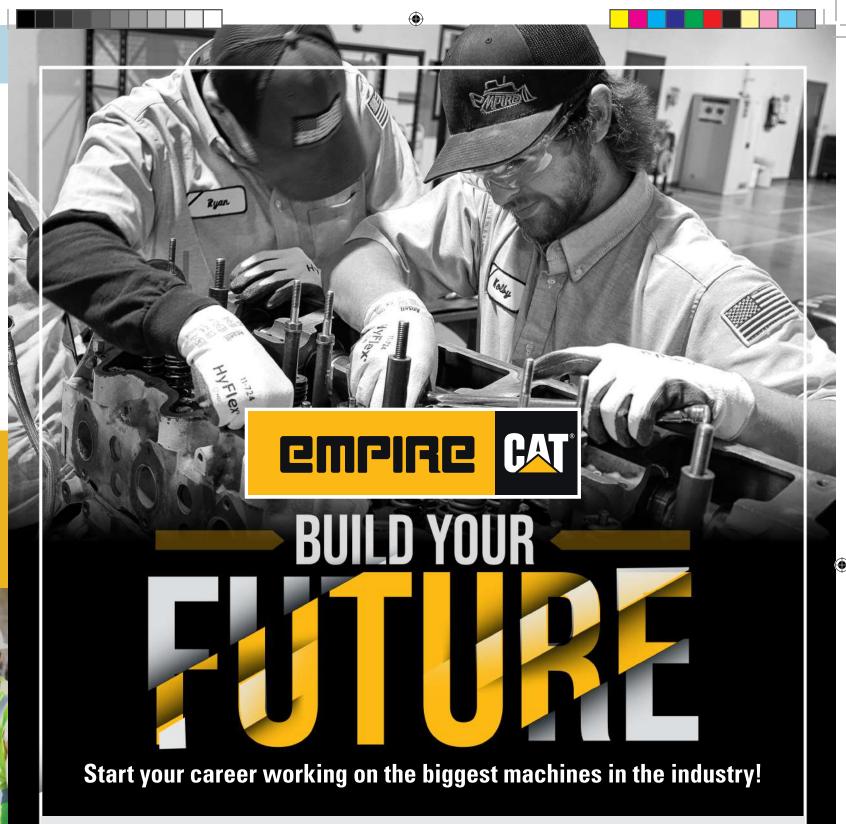
These courses are designed by industry to meet industry needs. Linking student learning to industry standards and practices ensures that students are fully prepared to enter the workforce as productive employee.

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Trade Descriptions - Rock Products Industry

The following positions have daily responsibility for plant operations which may include any of the following: asphalt, aggregates, recycle, landfill and ready mix concrete plants.

MANAGEMENT TRAINEE: A Management Trainee is an entry level management position typically filled by individuals with limited or no previous supervisor experience or recent college graduates. This position prepares new employee to manage a plant or quarry through the practice of hands on management experience.

PLANT SUPERVISOR: A Plant Supervisor monitors hourly production or maintenance employees in a small plant. This position usually requires a minimum of 2 years prior work experience in supervising production employees.

ASSISTANT PLANT MANAGER: An

Assistant Plant Manager supervises hourly production or maintenance employees in a large plant that runs multiple shifts. This position is just below the plant manager position at a site location. This position requires 3-5 + years of prior supervisory work experience with in depth knowledge of rock and sand operations and/or ready mix concrete (RMC), hot mix asphalt (HMA), recycle or landfill operations.

PLANT MANAGER: A Plant Manager

implements the production and inventory management strategy for a facility. The Plant Manager oversees the operations associated with aggregate and/or asphalt, ready mix concrete, recycle products. This includes mining, processing, stockpiling, product production, loading, and shipping. They are responsible for fixed and mobile equipment associated with the operation, employee and community relations, and safety, health and environmental aspects of the facility. They also supervise the facilities salaried (Assistant Plant Manager, Plant Supervisor) and hourly workforce.

DISTRICT OPS MANAGER: A District

Operations manager implements the production strategy for multiple smaller plants usually within close proximity. This position manages the operations associated with aggregate, hot mix asphalt (HMA), ready mixed concrete (RMC) and recycle plants. The District Operations Manager is responsible for fixed and mobile equipment associated with the operation, employee and community relations, and safety, health and environmental aspects of the facility. The person in this position supervises the facilities salaried and hourly workforce. Their direct reports include Plant Manager, Assistant Plant Manager, and Plant Supervisor.





AREA OPERATIONS MANAGER:

The Area Operations Manager is responsible for implementation of the operations strategy for a geographic area. They make or significantly influence management decisions in the area of capital budgeting, production planning, manning, and inventory management. This position is responsible for achieving economic profit goals for the area. They typically supervise Plant Managers and in some instances District Operations Managers.

REGIONAL OPERATIONS

MANAGER: The Regional Operations Manager develops the operations strategy for a large geographic area. The person in this position makes management decisions in the areas of capital budgeting, production planning, manning, and inventory management. They are responsible for achieving the Economic Profit or EBITA goals. They also typically supervise Plant Managers and in some instances District or Area

Operations Manager. QUALITY CONTROL OR MATERIALS TECHNICIAN: The

Quality Control or Materials Technician performs sampling and tests involving visual and physical inspection to ensure that standards of quality and legal compliance are met in Company products. They examine causes of poor product quality, researches

causes of complaints from customers and sales and implements action to correct problems. The person in this position also gathers and examines records of test data. They ensure that testing equipment is in proper working order, perform simple to moderately complex arithmetic calculations, and complete tests report.

QUALITY CONTROL: Quality Control positions have increasing levels of responsibility for the quality control function. Activities may include developing and approving quality specifications to assure manufacture and legal compliance. Quality Control professionals perform visual and physical inspection, sampling, and testing of materials to conform to established standards of quality, appearance, and other requirements of regulatory agencies. They may be responsible for examining causes of poor product quality, determining origin of product, and initiating appropriate corrective action

SCALE CLERK/PLANT

DISPATCHER: In a constructive materials environment, the scale clerk/plant dispatcher performs clerical and administrative duties which include: preparing reports, scheduling product delivery, weighing and dispatching trucks, preparing scale tickets and sales orders, handles cash sales, makes deposits, and maintains accounting records.



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WHAT ARE ROCK PRODUCTS?

AGGREGATES - A

combination of raw stone, sand and gravel from non-renewable materials typically mined where they are deposited and close to construction sites to keep costs low.

ASPHALT - A versatile paving material used in roughly 94% of U.S. roads and highways and ideal for industrial, agricultural, transportation, recreational and other applications.

CEMENT - The second most consumed material on Earth (behind water), this binding powder is made from mined and processed minerals that can grow in strength with proper hydration.

CONCRETE - The world's most-used construction material, this composite of fine and coarse aggregate is typically lime-based and bonded with fluid cement for use in highways, high-rises, dams, canals, bridges and more.



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Career and Technical Education (CTE)

Career Technical Education Districts (CTED)

Career and Technical Education (CTE) programs are offered at local high school districts and through CTEDs across the state. Many local school districts are member districts of the CTEDs that offer a variety of CTE programs that prepare students for entry level careers upon graduation or for other post-secondary opportunities. Below are the list of the 14 CTEDs located across Arizona and contact information for Career and Technical Education at the Arizona Department of Education.

There are approximately 200,000 unfilled construction jobs in the U.S.

--National Association of Homebuilders

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CAVIAT – Coconino Association for Vocations, Industry and Technology

PO Box 3940 Page, Arizona 86040 www.caviat.org

CAVIT – Central Arizona Valley Institute of Technology

1789 West Coolidge Avenue Coolidge, AZ 85128 www.cavitschools.com

CVIT – Cobre Valley Institute of Technology District

P.O. Box 176 Superior, AZ 85273 www.cvit81.org

CTD - Cochise Technology District

6506 Mills Maerker Rd Willcox, AZ 85643 www.cochisejted.org

EVIT – East Valley Institute of Technology

1601 W Main St Mesa, AZ 85201 www.evit.com

GIFT – Gila Institute for Technology

615 North Stadium Avenue Thatcher, AZ 85552 www.gift-tech.org

MIJTED – Mountain Institute Joint Technical Education District

220 Ruger Road #2 Prescott, AZ 86301 www.mijted.net

NATIVE – Northeast Arizona Technological Institute of Vocational Education

PO Box 710 Kayenta, AZ 86033 www.nativedistrict.org

NAVIT – Northern Arizona Vocation Institute of Technology

951 West Snowflake Boulevard Snowflake, AZ 85937 www.navitschool.org

Pima County Joint Technical Education District

2855 West Master Pieces Drive Tucson, AZ 85741 www.pimajted.org

STEDY - Southwest Technical Education District of Yuma

291 S Main St. Yuma, AZ 85364 www.stedyyuma.com

VACTE – Valley Academy of Career and Technical Education

830 S. Main St, Suite 2i Cottonwood, AZ 86326 www.vacte.com

WAVE – Western Arizona Vocational Education District

PO Box 7000 Kingman, AZ 86402 www.wavejted.org

West-MEC – Western Maricopa

Education Center 5487 North 99th Avenue Glendale, AZ 85305 www.west-mec.org

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The Arizona Army National Guard isn't just a job. It's a lifestyle. With the flexibility of part-time service close to home and with full-time benefits, you can build a future only made possible in the Army National Guard. Excellent paid-on-the-job training, professional real-world experience, leadership development, continued education, and transferable credentials make Guard members prime candidates for civilian employment. For more information about benefits and careers, contact us or visit our website below.

- Join as a High School Junior or Senior
 *You must be at least 17 years old
- Start getting paid immediately upon enlistment
- \$50,000 Student Loan Repayment Program (SLRP)
- Life Insurance- \$400,000 coverage

- PX/Commissary (tax free shopping)
- Military installation access
- *GYM, Outdoor Recreation Privileges, Shopping (BX/PX), Commissary, and much more
- MONEY FOR COLLEGE -GI BILL
 Tuition assistance & student loan repayment program.
- PAID SKILLS TRAINING
 Over 100 career choices. There's an option for everyone
- LOW-COST HEALTHCARE

 Get comprehensive healthcare for your whole family
- MONEY TO BUY A HOUSE VA LOAN Home buying opportunites.
- MONEY TO START YOUR OWN BUSINESS
 Small business loan opportunities
- EARLY RETIREMENT

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1/4 TIME \$101.75

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- Cadet monthly stipend (\$420 Freshman-Senior)
- Book stipend of \$1,200 annually (\$600 per semester)





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CTE- Apprenticeship Programs

Career and Technical Education (CTE) and Apprenticeship Programs prepare trainees for jobs that are based on manual or practical activities, traditionally non-academic, and totally related to a specific trade or occupation.

CTE can be at secondary or post-secondary level and can interact with the apprenticeship system. Increasingly, CTE can be recognized in terms of recognition of prior learning and partial academic credit towards tertiary education (e.g., at a university) as credit; however, it is rarely considered in its own form to fall under the traditional definition of higher education.

As the labor market becomes more specialized and economies demand higher levels of skill, governments and businesses are increasingly investing in the future of CTE through publicly funded training organizations and subsidized apprenticeship or traineeship initiatives for businesses. At the post-secondary level CTE is typically provided by an institute of technology, or by a local community college.

APPRENTICESHIP OPPORTUNITIES AND JOINT APPRENTICESHIP COMMITTEES

Arizona Association of General Contractors

General Contractors Phoenix, AZ 85007

Phone: (602) 274-8222, ext. 220 Email: fingersoll@azbuilders.org

Arizona Builders Alliance/ AGC **Education**

Electrician, Sheet Metal, Carpenter, Form Builder(Construction), Pipe Fitter, Plumber, Sign Erector

Phoenix, AZ Tucson, AZ

Phone: (602) 274-8222

Email: fingersoll@azbuilders.org

Arizona Department of Transportation

Operating Engineer

Phoenix, AZ

Phone: (480) 440-4834 Email: fingersoll@azagc.org

Arizona Heat and Frost Insulators and Allied Workers

Insulation Worker Phoenix, AZ

Phone: (480) 839-1367 Email: LHartman@

azheatandfrostinsulators.com

Arizona Masonry Contractors

Masonry Phoenix, AZ Tucson, AZ

Phone: (602) 265-5999 Email: Lisa@masonryforlife.com

Arizona Operating Engineers

Operating Engineer Casa Grande, AZ Phone: (602) 252-1844 Email: Jay@aoea428.com

Arizona Pipe Fitting Trades

Pipefitters, Plumbers, Refrigeration

Phoenix, AZ

Phone: (602) 269-8213 x 190 Email: danderson@pipetrades.org

Arizona Public Service Company

Line Worker, Electrician

Phoenix, AZ

Phone: (602) 250-2101

Email: Dennis.anthony@aps.com

Arizona Roofers Industry

Roofer Phoenix, AZ

Phone: (602) 254-7059

Email: Phoenixroofers135@gmail.

com

Arizona Sheet Metal

Sheet Metal Worker, HVAC

Phoenix, AZ

Phone: (602) 275-6511

Email: gsapien@azsheetmetal.org

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Electrician, Boilermaker, Bricklayer,

Carpenter, Pipefitter

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Phone: (520)356-2236 Email: dlengel@asarco.com

Boilermakers JAC

Boilermaker

Page, AZ

Phone: (928) 645-0277 Email: ckeisling@gmail.com

Central Arizona Project

Heavy Equipment Operator, HVAC,

Electrician Phoenix, AZ

Phone: (623) 869-2664 Email: Ivedo@cap-az.com

Elevators Constructors Local 140

Elevator Constructor

Phoenix, AZ

Phone: (512) 284-5762 Email: daranda@neiep.org

Finishing Trades Institute of DC

Painter, Drywaller Phoenix, AZ

Phone: (602) 244-0768 Email: bvolppftiaz@gmail.com

Globe-Miami Joint **Apprenticeship & Training**

Electrician Phoenix, AZ

Phone: (928) 425-8177 Email: crchant@hotmail.com

Independent Electrical Contractors

Electrician Tempe, AZ

Phone: (602) 200-8883 Email: iecaz@iecaz.org

Tucson, AZ

Phone: (520) 795-9473 Email: cathy@iecsac.org

Ironworkers JAT

Structural Steel and Metal Workers

Phoenix, AZ

Phone: (602) 276-6055

Email: alanr@ironworkerbenny.net

Navopache Electric Cooperative

Electrician Lakeside, AZ

Phone: (928) 368-5118 x 214 Email: mnielsen@navopache.org

Northern Electrical Contractor Association

Electrician

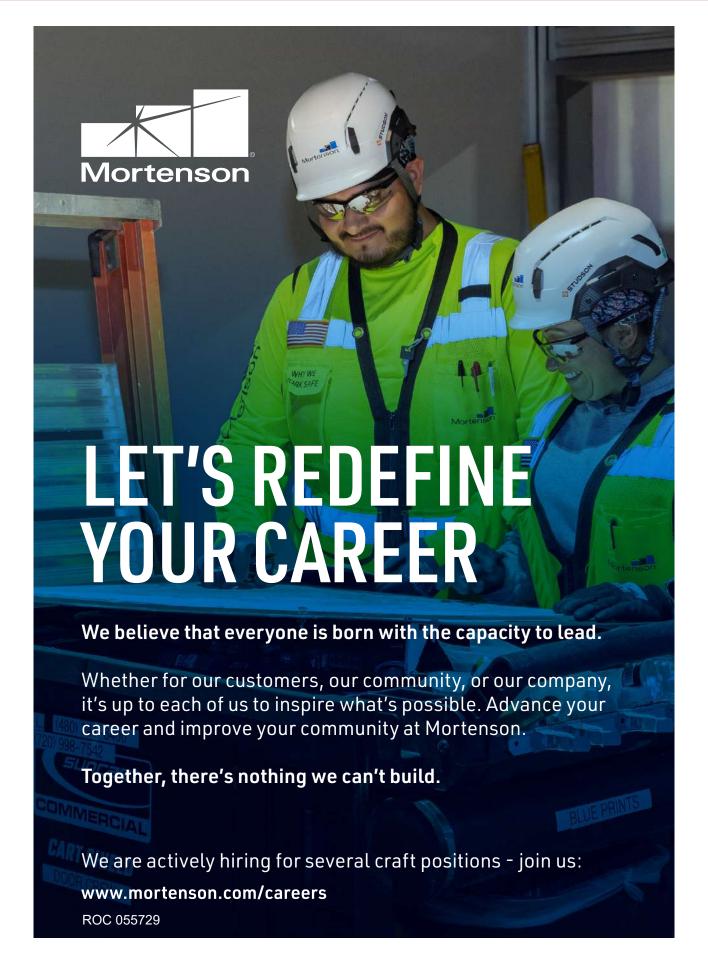
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(Continues on page 33)







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CTE - Apprenticeship Programs Continued

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Phoenix Electrical JATC

Electrician Phoenix, AZ

Phone: (602) 263-8104 Email: shutchison@pejatc.org

Phoenix Painters & Decorators JATC

Painter, Drywall Finisher Phoenix, AZ

Phone: 602.244.0768

Phoenix Pipe Fitting JAC

Pipefitting Phoenix, AZ

www.azccd.com

Phone: (602) 269-8213 Email: pft@pipetrades.org

Phoenix Sheet Metal JAC

Sheet Metal, HVAC Phoenix, AZ 85034 Phone: (602) 275-6511 Email: info@azsheetmetal.org

Plasterers & Cement Masons

Cement Mason, Plasterer

Phoenix, AZ

Phone: (602) 258-8148 Email: Opcmia394@qwestoffice.

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Salt River Project JAC

Electrician, Metal Fabricator

Phoenix, AZ

Phone: (602) 236-2182

Email: Josh.schwartz@srpnet.com

Southwest Carpenters Training Fund

Carpenters Phoenix, AZ

Phone: (602) 272-6547 Email john@swetf.org

Tohono O'odham Career Center

Electrician, Carpenter, Plumber,

Asphalt Paving

Sells, AZ

Phone: (520) 383-0013 Email: gmiguel@tocc.az.us

Tucson Electrical JATC

Electrician Tucson, AZ

Phone: (520) 790-4690

Email: kingk@tucsonelectricaljatp.

ora

Employment of construction occupations is projected to grow 7 percent from 2020 to 2030, and gain about 400,000 new jobs.

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Arizona Higher Education Programs

Construction management engineers apply training and education in innovative technologies to the construction industry. Students in the construction management degree program learn to organize, lead and manage the building process. In addition to the basics of design, project cost estimating, construction methodologies, and contract management, students are equipped with computer, technical and the people skills needed to succeed.

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Arizona State University's Del E. Webb School of Construction Management

Arizona State University's Civil & Environmental and Sustainable Engineering

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Management. Also offers a
web-based Master's Degree in
Construction Management
www.nau.edu/cefns/engineering/
construction-management

Northern Arizona University's Engineering

Flagstaff, AZ

Degree Programs: Civil, Environmental, Electrical, and Mechanical Engineering. Each of these programs offers a Bachelor of Science, and a Master's Degree. http://nau.edu/cefns/engineering/

University of Arizona's College of Engineering

Flagstaff, AZ

Degree Programs: Civil, Environmental, Electrical, Mining and Mechanical Engineering. Each of these programs offers a Bachelor of Science, and a Master's Degree. www.engineering.arizona.edu

PUBLIC TWO-YEAR DEGREE/ CERTIFICATION PROGRAMS

These schools offer building trades and construction management courses where a student can complete a certification program and/ or an Associates Degree in certain areas of the construction industry, each vary, research each school for your individual interests.

Arizona Western College

Yuma, AZ www.azwestern.edu Certificate, Associate's Degree

Central Arizona College

Coolidge, AZ www.centralaz.edu Certificate, Associate's Degree

Coconino Community College

Flagstaff, AZ www.coconino.edu Certificate, Associate's Degree

Eastern Arizona College

Thatcher, AZ www.eac.edu Certificate, Associate's Degree

Gateway Commmunity College

Phoenix, AZ www.gatewaycc.edu Certificate, Associate's Degree

Maricopa Skills Center

Phoenix, AZ

Phone: 602.238.4300

Certificate

Mesa Community College

Mesa, AZ www.mesacc.edu Certificate, Associate's Degree

Northland Pioneer College

Holbrook, AZ www.npc.edu Certificate, Associate's Degree

Phoenix College

Phoenix, AZ www.phoenixcollege.edu Certificate, Associate's Degree

Pima Community College

Tucson, AZ www.pima.edu Certificate, Associate's Degree

Scottsdale Community College

Scottsdale, AZ www.sc.maricopa.edu Certificate, Associate's Degree`

Yavapai Community College,

Prescott, AZ www.yc.edu Certificate, Associate's Degree











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Industry Earnings

Earnings in construction are higher than the average for all industries. In general, the construction trades workers needing more education and training, such as electricians and plumbers, get paid more than construction trades workers requiring less education and training, including laborers and helpers. Earnings also vary by the worker's education and experience, type of work, complexity of the construction project, and geographic location.

Average earnings of workers in construction, February 2022

Industry	Annual Salary
Boilermaker	\$66,252
Carpenter: Commerical	\$60,320
Carpenter: Industrial	\$61,071
Concrete Finisher	\$58,046
Construction Site Safety Technician	\$70,986
Drywall Installer	\$54,773
Electrician: Commercial	\$65,398
Electrician: Industrial	\$59,304
Electronic Systems Technician	\$72,179
Framer	\$52,495
Heavy Equipment Operator	\$62,910
Highway Worker	\$49,920
HVAC Technician	\$65,231
Industrial Coating Applicator	\$60,523
Industrial Maintenance Mechanic	\$66,284
Instrumentation Fitter	\$65,475
Instrumentation Technician	\$78,320
Insulation Mechanic	\$57,384
Ironworker	\$63,680
Mason	\$57,646
Millwright	\$68,640

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Wages of construction workers often are affected when poor weather prevents them from working. Traditionally, winter is the slack period for construction activity, but there is a trend toward more year-round construction, even in colder areas. Wages shown below are from survey data that was provided by 139 voluntary organizations representing 337,371 employees from the industrial, commercial and residential construction industries.

Average earnings of workers in construction, February 2022

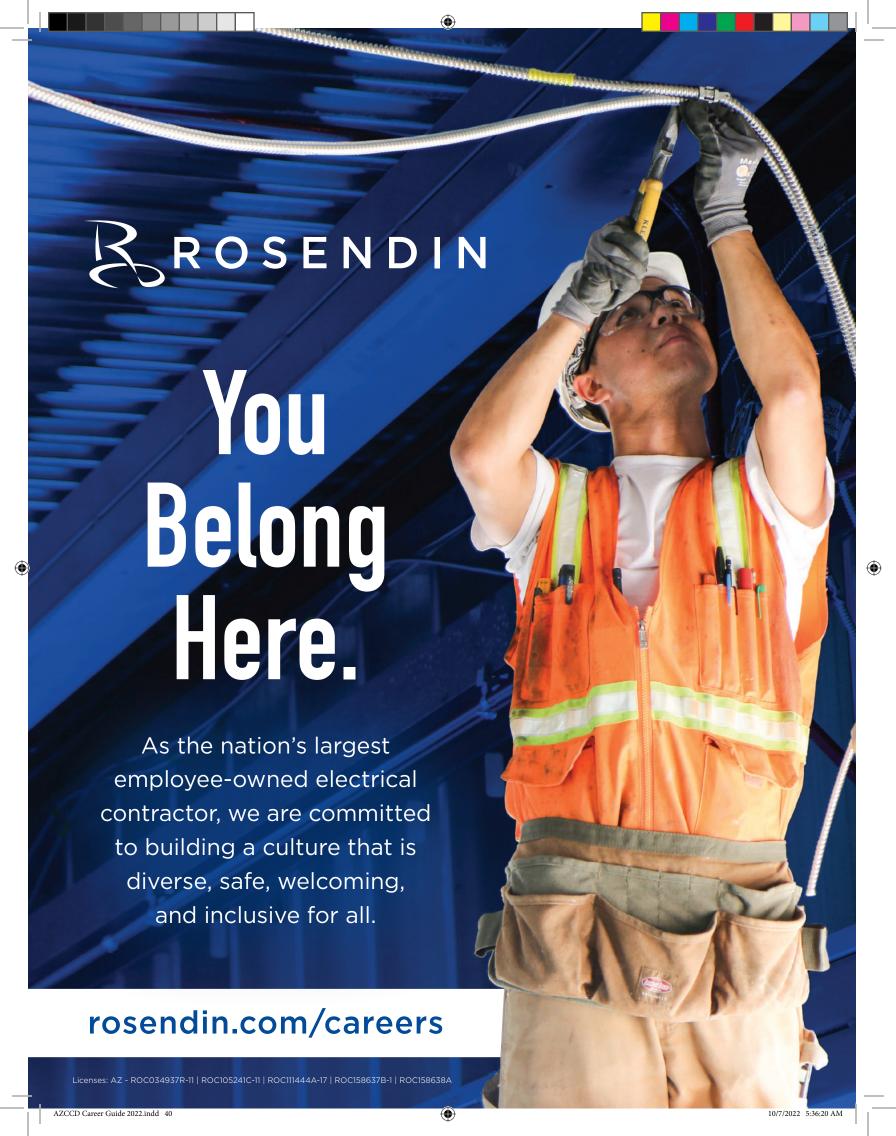
<u>Industry</u>	Annual Salary
Mobile Crane Operator	\$73,285
Painter	\$53,040
Pipefitter	\$67,824
Plumber	\$73,320
Power Line Worker	\$85,072
Project Manager	\$98,965
Project Supervisor	\$90,299
Rigger	\$68,170
Roofer	\$59,131
Scaffold Builder	\$58,834
Sheet Metal Worker	\$61,776
Signal Person	\$53,618
Solar Photovoltaic Installer	\$53,783
Sprinkler Fitter	\$59,288
Surveyor	\$70,880
Tower Crane Operator	\$77,792
Welder: Combo	\$73,531
Welder: Structural/ Fabricator	\$62,446
Welder: Pipe	\$70,482

SOURCE: NCCER February 2022 Suvery Data



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~Arizona Sheet Metal Joint Apprenticeship & Training Center is currently hiring Apprentices~

~Minimum Qualifications~

- Each apprentice-applicant must be at least 18 years old, provide a Photo Id,
 Social Security Card, Birth Certificate and a
 High School Diploma or High School Equivalency also VA Approved.
- Take the JATC Entrance Exam (which includes, Math, Reading, Mechanical Aptitude, Knowledge of Tools).
 - Interview and Drug screening process to follow.

If you are interested in joining our Program and meet the above requirements you may apply online at www.smw359.org and simply fill out the application under the Apprentice Tab.

You may also contact the JATC office directly at <u>602-275-6511</u> should you have any further questions.

Here is a break-down of the Apprentice-Tradesmen Wage Schedules that will be effective 7/1/2022 through 6/30/2023.

APPRENTICE RATES

1st Year \$19.19 2nd Year \$20.82 3rd Year \$22.86 4th Year \$26.12 5th Year \$28.98

SENIOR TRADESMEN RATE - \$20.41

TRADESMEN RATE - \$16.33

Learn, Grow and Earn!

www.azccc Afl/cio opeiu #30

Demand for Construction Science Professionals

The demand for construction science professionals is growing in Arizona. Construction trades are dependent on one another to complete specific parts of a project—especially on large projects—so a lack of workers in one trade can delay or stop the work of another trade.

Construction Science Professionals Needed in Arizona Through 2024

Boilermaker: 2,145	Mason: 26,319
Carpenter: 54,483	Millwright: 4,153
Craft Laborer: 44996	Mobile Crane/ Tower Crane: 1,152
Electrician: 17,637	Painter: 17,125
Glazier: 3,477	Pipefitter: 9,336
HVAC Technician: 5,840	Plumber: 5,481
Heavy Equipment Operator: 12,472	Power Line Worker: 199
Instrument Technician: 2,099	Roofer: 14,832
Insulator: 11.883	Sheet Metal Worker: 9,120
Ironworker: 14,506	Welder: 4,107

SOURCE: Build Your Future, www.byf.org









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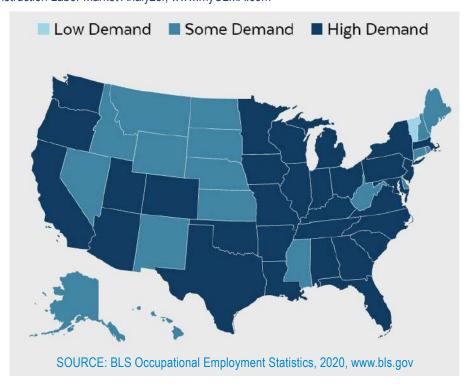


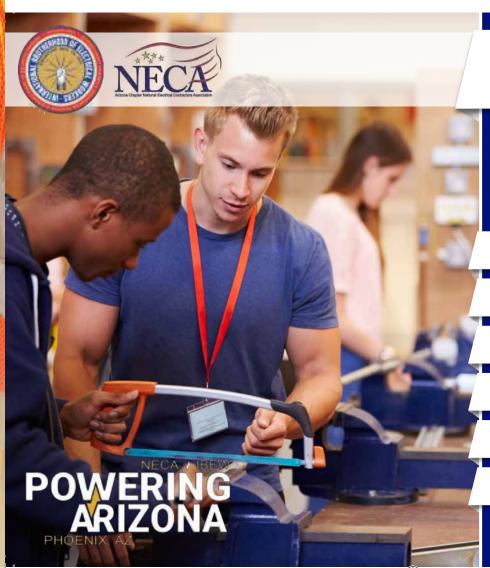
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Demand for Construction Science Professionals

Arizona's population is growing, and with that we can expect plenty of job growth. Those new employees need offices, hosptials, schools roads and homes. All of those buildings demand construction science professionals.

Map courtesy of Construction Labor Market Analyzer, www.myCLMA.com







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Become a journey-level electrician during 4 years of college accredited training:

Earn while you learn starting at \$17.60 per hour plus benefits.

Work full-time on a construction site during the day.

Learn the science of the trade during evening college classes.

Be eligible for an **associates degree** at graduation, **free of college debt**.

Entry level wages for graduates start at \$64,000 annually.

Employer provides **excellent health and retirement benefits**.

To submit an application, visit www.pejatc.org



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www.ArizonaLTS.com



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Start a career in the building trades. Train with skilled instructors in a hands-on learning environment. Obtain industry knowledge and employability skills to successfully transition into high-demand construction jobs. The program uses an immersive and intensive curriculum that specializes in construction fundamentals and professional development for participants ages 18 and over.









PROGRAM BENEFITS

9 weeks of hands-on construction training

Develop career readiness skills Earn industry certifications (PACT/OSHA)

Job placement assistance



CHOOSE A PATHWAY

CARPENTRY

- Building walls, installing floor and ceiling joist
- ▶ Installing roof rafters and trusses
- Installing roof decking and shingles
- ▶ Insulating, weatherstripping, and caulking
- Install doors, windows, and more

ELECTRICAL

- Installing circuit panels
- Installing electrical conduit and wiring for homes and commercial sites
- Cabling
- Installing switches, receptacles, and lighting fixtures
- Systems testing and repair and more

FOR ELIGIBILITY REQUIREMENTS, CONTACT:

Janine Estrada 480-521-5873 jestrada@hbi.org

Veronica R. Sanchez 480-216-4637 vsanchez@hbi.org

E-mail: PhoenixAcademy@hbi.org













HBI.org/home-building-academy

Home Building Academy 3100 E. Broadway Road, Suite 100 Phoenix, AZ 85040

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Arizona Trade Associations

A trade association, also known as an industry trade group, is an organization founded and funded by businesses that operate in a specific industry. An industry trade association participates in public relations activities such as advertising, education, political donations, lobbying and publishing, but its main focus is collaboration between companies, or standardization. Associations may offer other services, such as producing conferences, networking or charitable events or offering classes or educational materials. Many associations are

non-profit organizations governed by bylaws and directed by officers who are also members.

Air Conditioning Contractors of America Arizona Chapter

Phoenix, AZ www.acca-az.org

Alliance of Construction Trades

Tucson, AZ www.actaz.net

American Subcontractors Association of Arizona

Phoenix, AZ www.asa-az.org

Association of Pool & Spa Professionals

Central Arizona Chapter Phoenix, AZ Phone: 480.545.2613

Arizona Builders' Alliance

Phoenix, AZ Tucson, AZ www.azbuilders.org

Arizona Concrete Contractors Association

Phoenix, AZ www.azconcrete.com

American Concrete Institute Arizona Chapter

Phoenix, AZ www.azaci.org

Arizona Contractors Association

Phoenix, AZ www.azca.com

Arizona General Contractors Association

Phoenix, AZ www.agc.org

Arizona Masonry Guild

Phoenix, AZ www.masonryforlife.com

Arizona Rock Products Association

Phoenix, AZ www.azrockproducts.org

Arizona Roofing Contractors Association

Phoenix, AZ www.azroofing.org

AZ Chapter Associated General Contractors

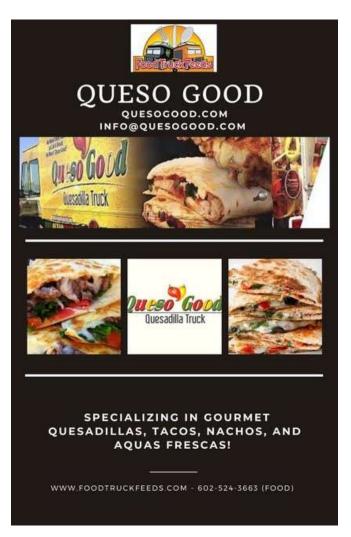
Phoenix, AZ www.azagc.org

Associated Minority Contractors of America

Phoenix, AZ www.amcaaz.com

Ceramic Tile & Stone Association of Arizona

Phoenix, AZ www.ctsaaonline.com



Nearly 9 out of 10 construction firms say they're having trouble hiring workers. Craft professionals are most in-demand, and the hardest positions to fill are carpenters, sheet metal installers, and concrete workers.

--Associated General Contractors of America

Home Builders Association of Central AZ

Phoenix, AZ www.hbaca.org

National Association of Women in Construction

Phoenix, AZ www.nawicphoenix.org

National Electrical Contractors Association- Arizona Chapter

Phoenix, AZ www.azneca.org

National Utility Contractors Association of Arizona

Phoenix, AZ www.nucaaz.org

Northern Arizona Building Association

Flagstaff, AZ www.nazba.org

Sheet Metal & Air Conditioning Contractors' Association - AZ Chapter

Phoenix, AZ www.smacna-az.org

Structural Engineers Association of Arizona

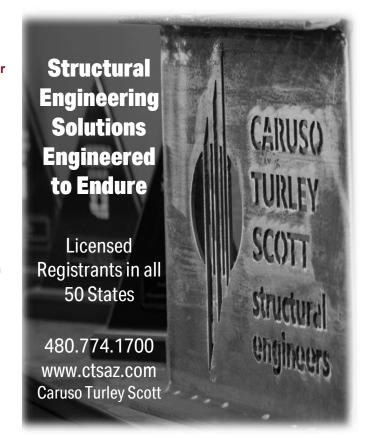
Phoenix, AZ www.seaoa.org

Southern Arizona Home Builders Association

Tucson, AZ www.sahba.org

Yavapai County Contractors Association

Prescott, AZ www.ycca.org





ASSOCIATION FOR CONSTRUCTION CAREER DEVELOPMENT



AZ Construction Career Days

We want to thank you for your continued support

WITHOUT YOU, AZCCD WOULDN'T BE A SUCCESS!

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Sheila Hall - Caruso Turley Scott - ACCD - Secretary - AZCCD Event Site Chair

Carl Edmiston – Graphic Ideals - ACCD Board Member – AZCCD Exhibitor Chair

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LTC Gordon J. Smith - Commander, AZARNG

CPT Lance Leone - Recruiting and Retention AZARNG

CPT Erin Hannigan - PIO Officer AZARNG

MSG Jacob Allen -- AZARNG

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Arizona Rock Products AZ Masonry Council AZNECA Powering AZ Boilermakers Local 627

BPG Design

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DCS Contracting Inc.

Dell Webb School of Construction-ASU

Desert Ready Mix DLR Group

DP Electric

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Ironworkers LU #847

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McCarthy Building Companies

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Career and Technical Education (CTE) programs prepare students to enter the workforce with the academic and vocational skills needed to compete successfully in the job market. CTE courses typically include competency—

typically include competer based learning.



Our Vision:

Develop Arizona's competitive workforce through the power of Career and Technical Education.



Our Mission:

Career and Technical Education will engage Arizona learners in relevant experiences leading to purposeful and economically viable careers.

CTE Programs:

Accounting ~ AgriScience ~ Air Transportation ~ Aircraft Mechanics ~ Architectural Drafting
Automation and Robotics ~ Automotive Collision Repair ~ Automotive Technologies ~ Bioscience
Business Management ~ Business Operations ~ Cabinetmaking ~ Carpentry ~ Construction Technologies
Cosmetology and Related Services ~ Culinary Arts ~ Dental Assisting ~ Diesel Engine Repair
Digital Animation ~ Digital Communication ~ Digital Photography ~ Digital Printing
Early Childhood Education ~ Education Professions ~ Electrical and Power Transmission Installation
Electronic Technologies ~ Electronics Drafting ~ Emergency Medical Services ~ Engineering
Fashion Design and Merchandising ~ Film and TV Production ~ Finance ~ Fire Service ~ Graphic Design
Heating, Ventilation and Air Conditioning ~ Heavy Equipment Operations ~ Home Health Aide
Hospitality Management ~ Interior Design and Merchandising ~ Laboratory Assisting
Law and Public Safety ~ Marketing ~ Mechanical Drafting ~ Medical Assisting Services
Medical Records Technologies ~ Mental and Social Health Technician ~ Music and Audio Production
Network Security ~ Nursing Services ~ Pharmacy Support Services ~ Precision Machining
Software and App Design ~ Sports Medicine and Rehabilitation ~ Stagecraft
Technology Devices Maintenance ~ Therapeutic Massage ~ Veterinary Assisting ~ Welding Technologies

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of AZ-CPLC Glendale High School Hamilton High School Hope High School Independence High School Ironwood High School Lexington Life Academy Marcos de Niza Mesa High School Mesa High School Mesquite High School Moon Valley High School NFL-Yet Northern Academy Pascua Yaqui Education-

School **EVIT**

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