

# CAREER & TECHNICAL EDUCATION

[yc.edu/ctec](http://yc.edu/ctec)

*Yavapai*  
COLLEGE



# YAVAPAI COLLEGE SCHOOL OF CAREER AND TECHNICAL EDUCATION (CTE)



**DR. LISA B. RHINE**  
*President*

The School of Career and Technical Education is where theory meets practice. YC's state-of-the-industry facilities allow students to refine their craft in a hands-on environment and under the instruction of experts before entering the workforce. We pride ourselves on preparing students for high demand jobs that allow them to choose where they wish to live and work.



**JOHN MORGAN**  
*Dean, School of Career and Technical Education*

Better educated generations mean a better future for our nation. Our goal is to teach to the highest standards in order for our graduates to contribute to the nation's economy, while ensuring their own economic prosperity. If you want to be a part of the largest job segment of the U.S. economy, then the School of Career and Technical Education is the right choice. Check us out - we think you'll be impressed.

## YC BY THE NUMBERS

78%

YC tuition cost is 78% below the AZ 4-yr university avg

27%

YC tuition cost is 27% below the nat'l community college avg

25%

YC transfer students rank in the 75th percentile in the U.S.

17

Avg class size of 17

100%

Prescott campus residence halls provide the full college experience

6/10

More than 6 in 10 students receive grants or scholarships

# REASONS TO CHOOSE

## #1: Location & Flexibility

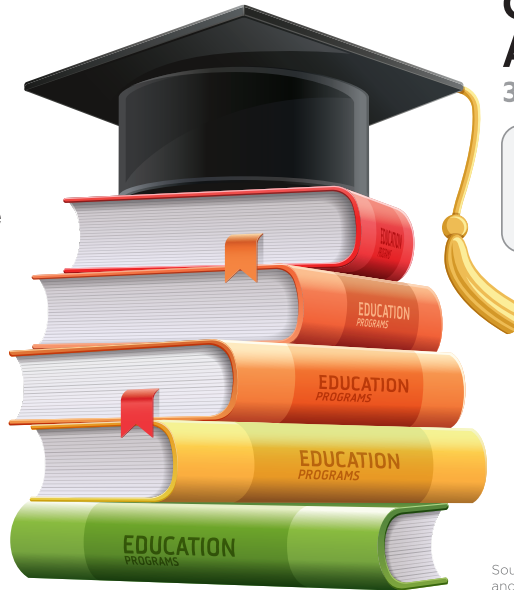
YC has six state-of-the-art locations spread throughout beautiful Yavapai County. With **300 days of sunshine per year**, we are the perfect destination for any outdoor enthusiast. Can't make it to campus? Don't worry! YC has expanded its online offerings to give you added flexibility to complete classes on a schedule that works for you.

## #2: Academic Programs

With more than **100 quality programs**, YC will prepare students for the workforce, or for transfer to a university. Small class sizes allow students greater access to instructors.

## #3: Affordability

Annual tuition and fees for **credit hours** is **\$2,352** at Yavapai College.



## Cost Comparison: Annual Tuition & Fees 30 Credits/FY2022

**\$2,352**

Yavapai College Tuition

**\$3,800**

National Community College average

**\$12,577**

Arizona 4-Year University average

Sources: American Association of Community Colleges (AACC) Fact Sheet and Universities' websites as of April 2021.

See how affordable YC is to AZ Universities.  
Visit [yc.edu/compare](https://yc.edu/compare)

# DEGREES & CERTIFICATES

## Associate Degrees

Associate of Arts  
Associate of Arts in Elementary Education  
Associate of Arts in Fine Arts  
Associate of Business  
Associate of General Studies  
Associate of Science

## Arizona General Education Curriculums

Arizona General Education Curriculum (AGEC-A)  
Arizona General Education Curriculum (AGEC-B)  
Arizona General Education Curriculum (AGEC-S)



[yc.edu/classsearch](https://yc.edu/classsearch)

## Associate of Applied Science Degrees (AAS)

Accounting  
Administration of Justice  
Administrative Professional  
Advanced Manufacturing Technology  
Aerospace Science (Airplane/Tech/UAS)  
Agriculture Technology Management  
Applied Pre-Engineering  
Automotive Technology  
Computer Networking Technology  
Computer Systems and Applications  
Diesel Technician  
Early Childhood Education  
Electrical & Instrumentation Technology  
Fire Science  
Graphic Design  
Gunsmithing  
Management  
Medical Assistant  
Nursing  
Paralegal Studies  
Paramedicine  
Radiologic Technology  
Video Game Development  
Viticulture and Enology



## Certificates

3D Modeling and Animation

3D Printing and Manufacturing

Accounting Assistant

Additive Manufacturing Technician

Administrative Professional - Advanced

Administrative Professional - Basic

Advanced Bookkeeping

Advanced Tax - IRS Enrolled Agent

Animal Care and Management

Athletic Coaching

Auto Body Paint and Collision Technology

Automotive Master Technician

Automotive Technician (MLR)

Baking and Pastry

Basic Carpentry

Basic Tax

Bookkeeping

Brewing

Canine Care and Handling

Cisco Networking Specialist

Commercial Driver Training

Computed Tomography

Computer Application Specialist

Computer Networking Technician

Computer Numerical Controlled (CNC)

Machining

Criminal Justice and Security

Culinary Arts Fundamentals

Cybersecurity Specialist

Cybersecurity Technician

Diesel Technician

Early Childhood Education Advanced

Early Childhood Education Basic

Electric Utility Technology

Electrical Instrumentation Technician

Electronics - Advanced Electronics

Electronics - Analog Electronics

Electronics - Digital Electronics

Electronics - Industrial Electronics

Electronics Technology

Emergency Medical Technician

Enology

Entrepreneurship Principles and Practice

Equine Care and Management

Fire Science - Basic Firefighter

Fire Science Community Risk Manager

Fire Science Driver/Operator

Fire Service Officer/Manager

Fitness Trainer/Instructor

Graphic Design Technician

Gunsmithing - Advanced

Gunsmithing

HVAC Service Technician

Industrial Machine Mechanic (IMM)

IMM - Hydro Utility Tech

IMM - Machine Fabrication Tech

IMM - Mechanic Assistant

Justice Studies

Law Enforcement and Corrections

Legal Office Clerk

Magnetic Resonance

Management

Medical Assistant

Medical Office Assistant

Medical Records Technician

Nursing Assistant

Paralegal Studies

Paramedicine

Phlebotomy Technician

Photography

Production Horticulture

Programming

Residential Electrical Technician

Screenwriting

Service Dog

Strategic Leadership

Technical Theater in Stagecraft

Therapy and Service Dog Team Skills

Unmanned Aircraft Systems

Video Game Developer

Viticulture Advanced

Viticulture Fundamentals

Welding - Gas Metal Arc Welding

Welding - Gas Tungsten Arc Welding

Welding - Pipe Welding

Welding - Structural Welding

Windows Server Administrator



# PROGRAMS

3D Printing and Manufacturing  
Advanced Manufacturing  
Aerospace Science\*  
Agriculture Technology\*  
Animal Care and Management  
Applied Pre-Engineering\*  
Automotive Technology\*  
Automotive Body Paint & Collision\*  
Brewing Technology  
Canine Care & Handling  
Commercial Driver Training  
Computer Numerical Control\*  
Construction Technology\*  
Culinary Arts Fundamentals\*  
Diesel Technology  
Electric Utility Technology - Lineworker\*  
Electrical & Instrumentation Technology  
Equine Care & Management  
Film and Media Arts\*  
Fire Science  
Gunsmithing  
HVAC Service\*  
Residential Electrical\*  
Residential Plumber\*  
Unmanned Aircraft Systems\*  
Viticulture & Enology  
Welding\*

## **\*Mountain Institute Career Technical Education District Program (MICTED) and Valley Academy for Career and Technology Education (VACTE)**

These programs provide enhanced CTE courses for students within their school districts. These districts have additional funding as part of MICTED and VACTE. This funding provides students' access to Career and Technical Education courses that is significantly greater than any individual district can provide. Charter school and home school students are also encouraged to participate in these programs.

### **FOR MORE INFORMATION:**

**[www.micted.net](http://www.micted.net) or 928.771.0791**

**[www.vacte.com](http://www.vacte.com) or 928.634.7131**



**[www.yc.edu](http://www.yc.edu)**

# START AT YAVAPAI COLLEGE AND FINISH AT THE UNIVERSITY OF YOUR CHOICE.

YC has partnerships with several universities to help students make a smooth transition into their bachelor's degree. YC students receive dedicated advisement to help with academic planning and preparation for transfer. As students meet with their advisor throughout their journey, they receive tips and resources to make a successful transfer.

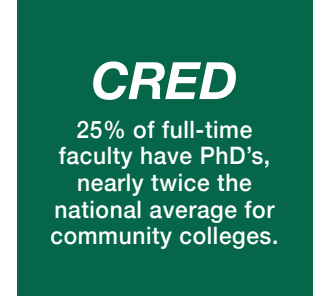
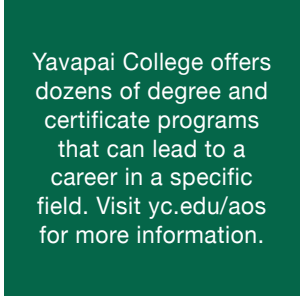
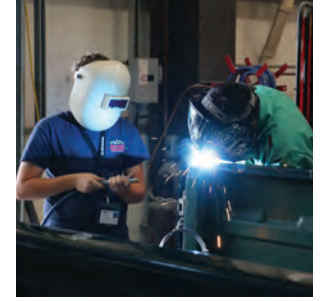


The YC Advisors are trained specialists who have the experience and resources to help you create a seamless academic pathway. If obtaining a bachelor's degree and beyond is your goal, then planning for a transfer should be on your checklist.

Visit [www.yc.edu/transfer](http://www.yc.edu/transfer) and [www.aztransfer.com](http://www.aztransfer.com) for more information.



[yc.edu/transfer](http://yc.edu/transfer)





## Great for future students of any age

You'll learn about and visit the resources specific to that campus, which may include the Learning Center, Library, Academic Advising, Residence Halls, Campus Engagement and Activities, Athletics Facilities, and the Rider Diner.

- Check [yc.edu/tours](https://yc.edu/tours) for available tour dates and times
- Includes a 45-minute walking tour with a YC Student Ambassador or campus employee

Can't come in-person? Take a virtual tour of our campuses and centers!



Visit [yc.edu/tours](https://yc.edu/tours)



# Campus Tours



# PAYING FOR COLLEGE

## FAFSA

- Apply online at [www.fafsa.gov](http://www.fafsa.gov)
- Application opens **October 1st**
- Yavapai College's **federal school code is 001079**
- Students must complete the FAFSA to be considered for grants, scholarships, federal work study and loans.

## Student Employment

- **Need a flexible work schedule** that fits with your class schedule?
- Check out student employment opportunities on our website.  
[www.yc.edu/se](http://www.yc.edu/se)

## Payment Plan

- Yavapai College offers an **interest free** monthly payment plan.
- Visit [www.yc.edu/bills](http://www.yc.edu/bills) for more information.

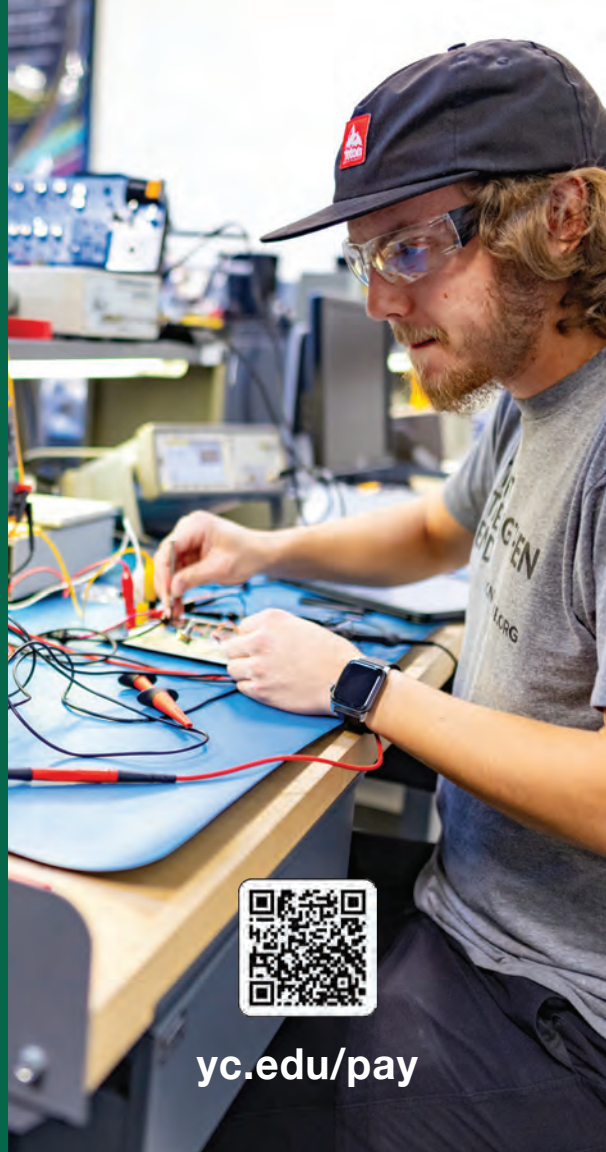
## Scholarships

**YC offers over \$700,000 in Foundation scholarships** each year with a single application!

- Log into your student portal at [www.yc.edu](http://www.yc.edu)
- Click on **Students > My Financial Aid > YC Scholarship Application**.
- Click on the **YC Scholarship Application link**

## Full-Time Student Discount

- Any student who registers full-time for classes will receive any classes over 12 credits for free!
- **LESS time** in school, **LESS cost** to you!
- Visit [www.yc.edu/ftdiscount](http://www.yc.edu/ftdiscount) for more information
- Some exclusions apply



[yc.edu/pay](http://yc.edu/pay)



# NEW STUDENT CHECKLIST



- 1. Apply for Admission  
[www.yc.edu/apply](http://www.yc.edu/apply)
- 2. Apply for Financial Aid  
[www.fafsa.gov](http://www.fafsa.gov)
- 3. Placement Testing  
[www.registerblast.com/ycprescott/Exam/List](http://www.registerblast.com/ycprescott/Exam/List)
- 4. Residency  
[www.yc.edu/residency](http://www.yc.edu/residency)
- 5. YC Pipeline AZ, Interests Assessment  
[www.yc.edu/pipelineaz](http://www.yc.edu/pipelineaz)
- 6. Meet with your Enrollment Advisor  
Log into MyYC at [www.yc.edu](http://www.yc.edu)

## Academic Advising

928-776-2106  
[Advising@yc.edu](mailto:Advising@yc.edu)

## Financial Aid

928-776-2152  
[Financial.Aid@yc.edu](mailto:Financial.Aid@yc.edu)

## Admission

928-717-7777  
[ycadmission@yc.edu](mailto:ycadmission@yc.edu)

## Testing Center

928-776-2200  
[Testing@yc.edu](mailto:Testing@yc.edu)

## Bookstore

928-776-2213  
[Bookstore@yc.edu](mailto:Bookstore@yc.edu)

## Veterans Services

928-717-7613  
[vet.services@yc.edu](mailto:veter.services@yc.edu)



For a full checklist visit:

**[yc.edu/start](http://yc.edu/start)**

# PROGRAM CONTACTS

PROGRAM	HOLLAND CODE	FACULTY	FACULTY E-MAIL
3D Printing and Manufacturing	R, C, I, A, E	Matt Mintzmyer	matt.mintzmyer@yc.edu
Advanced Manufacturing	R, I, C	Eli Humes	eli.humes@yc.edu
Animal Care & Management	R, C	Marnee Zazueta	marnee.zazueta@yc.edu
Applied Pre-Engineering	I, R, C	Liz Peters	elizabeth.peters@yc.edu
Automotive Technology	R, C	Jerrad Smith	jerrad.smith@yc.edu
Automotive Body Paint & Collision	R	Sonny Rodriguez	sonny.rodriguez@yc.edu
Canine Care & handling	R, I	Andy Lloyd	lloyd@instructor.yc.edu
Commercial Driver Training	R, C	Josh Hoover	josh.hoover@yc.edu
Computer Numerical Control Machining	R, C	Mike Schaible	michael.schaible@yc.edu
Construction Technology	R, C	Tom Rose	thomas.rose@yc.edu
HVAC, Electrical, and Plumbing	R, C	Heather Mulcaire	heather.mulcaire@yc.edu
Culinary Arts Fundamentals	E, R, A	Robert Barr	robert.barr@yc.edu
Diesel Technology	R, C	Ted Archer	theodore.archer@yc.edu
Electrical & Instrumentation Technology	R, I, C	Liz Peters	elizabeth.peters@yc.edu
Electric Utility Technology – Lineworker	R, C	Max Bledsoe	max.bledsoe@yc.edu
Emergency Medical	R, S	Tresa Hibben	tresa.hibben@yc.edu
Equine Care & Management	R, I	Gary Gang	ggang@instructor.yc.edu
Film & Media	E, C, A	Helen Stephenson	helen.stephenson@yc.edu
Fire Science	E, C, A	Mikayla Baker	mikayla.baker@yc.edu
Gunsmithing	R, C, I	Allen Magarrell	allen.margarrell@yc.edu
Horticulture	R, I, C	Justin Brereton	jutin.brereton@yc.edu
Viticulture & Enology	I, E, R, C	Michael Pierce	michael.pierce@yc.edu
Welding	R, c	Robert Smith	robert.smith@yc.edu



# HOLLAND CODE PREFERENCES

## **Realistic (R)**

Realistic occupations frequently involve work activities that include practical, hands-on problems and solutions. They often deal with plants, animals, and real-world materials like wood, tools, and machinery. Many of the occupations require working outside, and do not involve a lot of paperwork or working closely with others.

## **Investigative (I)**

Investigative occupations frequently involve working with ideas, and require an extensive amount of thinking. These occupations can involve searching for facts and figuring out problems mentally.

## **Artistic (A)**

Artistic occupations frequently involve working with forms, designs and patterns. They often require self-expression and the work can be done without following a clear set of rules.

## **Social (S)**

Social occupations frequently involve working with, communicating with, and teaching people. These occupations often involve helping or providing service to others.

## **Enterprising (E)**

Enterprising occupations frequently involve starting up and carrying out projects. These occupations can involve leading people and making many decisions. Sometimes they require risk taking and often deal with business.

## **Conventional (C)**

Conventional occupations frequently involve following set procedures and routines. These occupations can include working with data and details more than with ideas. Usually there is a clear line of authority to follow.

**To identify your Holland Code please go to o\*net® Interest Profiler:**  
**<https://www.mynextmove.org/explore/ip>**



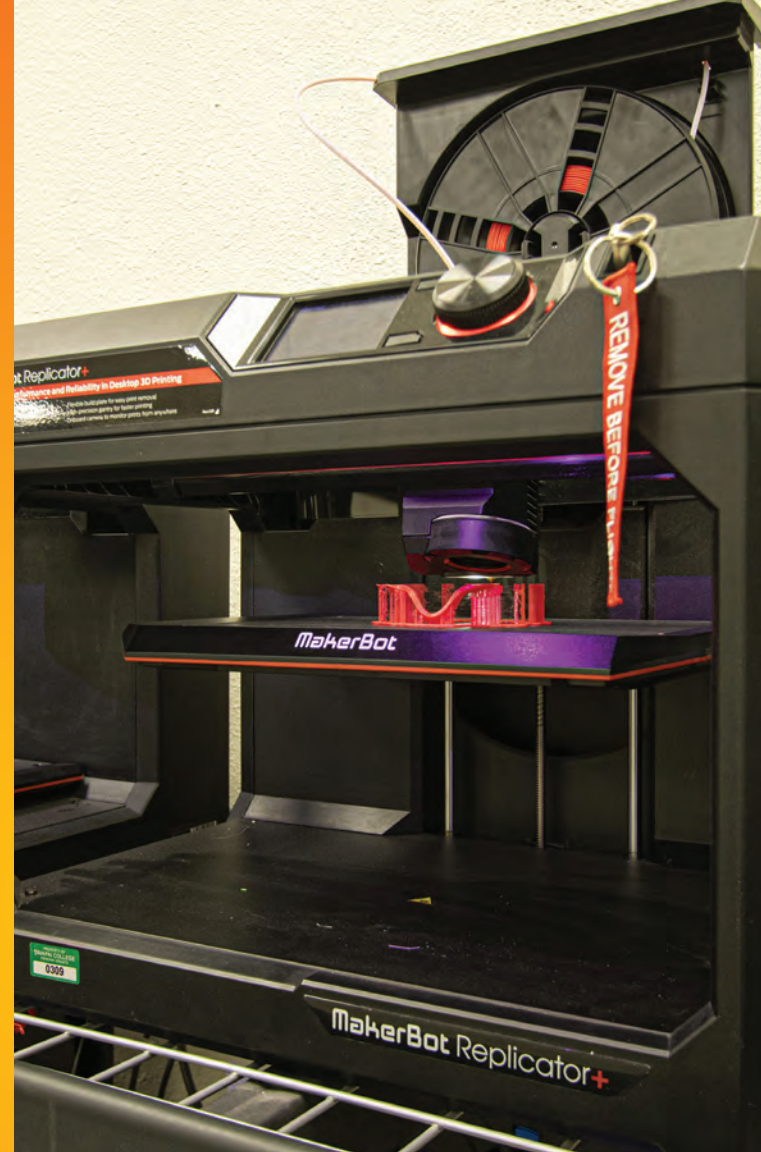
# 3D PRINTING AND MANUFACTURING Certificate

The completer of the 3D printing certificate will be able to operate 3D printers, perform post-process and finish 3D printed parts, thermoforming and machining equipment, and perform basic inspection and assembly task. The technician will also be able to support in the maintenance and cleaning of equipment, perform basic inspection operations, have knowledge of hand and power tool use, and have proficiency of typical 3D CAD packages.

**Sample of related jobs:** 3D Printing Technician, Digital Design Technician, Additive Manufacturing, Rapid Prototyping Technician.

## Careers *(DOL CareerOneStop Median Income – overtime not included)*

- 3D Printing Technician: \$41,600 (U.S.) \$41,600 (AZ) Salary.com
- Molding, core making and Casting Machine Setter: \$32,130 (U.S.) \$31,820 (AZ)
- Mechanical Engineering Technicians: \$56,980 (U.S.) \$57,540 (AZ)







# ADVANCED MANUFACTURING

## AAS Degree & Certificate

The **Advanced Manufacturing Degree** is designed to teach students marketable skills in high tech automated manufacturing processes that incorporate innovative technologies to improve production of products from design to manufacturing stages.

Duties may involve multiple areas such as: pipe fitting, boiler making, insulating, welding, machining, carpentry, repairing electrical or mechanical equipment, CNC machining, CAD Design, installing, aligning, and balancing new equipment.

**Note:** Freeport McMoRan, Inc. sponsor mining programs designed to prepare students for direct employment in the mining industry.

### Certificates:

- Advanced Manufacturing Certificate
- Hydro Utility Tech
- Machine Fabrication Tech
- Mechanic Assistant

**Sample of reported job titles:** Building Maintenance Mechanic, Building Mechanic, Equipment Engineering Technician, Facilities Manager, Maintenance Engineer, Maintenance Mechanic, Maintenance Supervisor, Maintenance Technician, Maintenance Worker.

### Careers *(DOL CareerOneStop Median Income – overtime not included)*

- Industrial Machinery Mechanics: \$53,590 (U.S.) \$52,180 (AZ)
- Industrial Engineering Technicians: \$56,550 (U.S.) \$59,440 (AZ)
- Stationary Engineers and Boiler Operators: \$62,150 (U.S.) \$58,500 (AZ)

# AEROSPACE SCIENCE

## AAS Degree

### Airplane

The **Aerospace Science degree program** prepares students for careers in aviation as airplane pilots, air traffic controllers, instructors, and unmanned aircraft operators.

- Individuals pilot and navigate the flight of fixed-winged aircraft on nonscheduled air carrier routes.
- Includes charter pilots with similar certification, and air ambulance and air tour pilots.

### Careers *(DOL CareerOneStop Median Income – overtime not included)*

- Commercial Pilots: \$93,300 (U.S.) \$79,200 (AZ)
- Pilots, Copilots, and Flight Engineers: \$160,970 (U.S.) \$130,140 (AZ)
- Airfield Operations Specialists: \$51,330 (U.S.) \$67,270 (AZ)
- Air Traffic Controllers: \$130,420 (U.S.) \$111,110 (AZ)







# AEROSPACE SCIENCE

## AAS Aviation Technology Degree

Although pilots and flight attendants are the most visible occupations in the field of aviation, there's a lot more that goes on behind the scenes of this fast-paced industry. Aviation management, Air Traffic Controllers, and operations encompasses the business aspects of the air transportation industry. Aviation managers work for airports and airlines and are responsible for making sure overall business operations run smoothly. On an average day, an aviation manager may be involved in fleet planning, revenue management, safety enforcement, employee hiring and marketing. Aviation managers are also responsible for ensuring their company adheres to federal safety regulations.

- The degree also prepares students for the entrance exam into the FAA Air Traffic Control Academy in Oklahoma City.

## Careers *(DOL CareerOneStop Median Income – overtime not included)*

- Airfield Operations Specialists: \$51,330 (U.S.) \$67,270 (AZ)
- Air Traffic Controllers: \$130,420 (U.S.) \$111,110 (AZ)



# AEROSPACE SCIENCE

## AAS Degree

### Unmanned Airplane System

The **Aerospace Science degree program** prepares students for careers in aviation as airplane pilots, flight service specialists, dispatchers, instructors, and unmanned aircraft operators. The UAS training is for a wide variety of industry sectors including agriculture, utilities, GIS geospatial, real estate, and others.

Focus is on flight for thermal imaging, aerial photography, video & cinematography, mapping, fabrication of parts using 3D printing, surveying, and inspections.

**Sample of reported job titles:** Mapping Technicians, Surveying and Mapping Technicians, Geographic Information Systems Technicians, and Camera Operators (television and video).

### Careers *(DOL CareerOneStop Median Income – overtime not included)*

- Mapping Technicians: \$46,200 (U.S.) \$49,830 (AZ)
- Geographic Information Systems Technicians: \$92,870 (U.S.) \$80,250 (AZ)
- Camera operations, television, video: \$57,200 (U.S.) \$48,870 (AZ)
- Surveying and mapping technicians: \$46,200 (U.S.) \$49,830 (AZ)





# AGRICULTURE TECHNOLOGY

## AAS Degree & Certificate

The programs in **Agriculture Technology** are highly specialized for those seeking technical employment in the agriculture industry. Students enrolled in our programs have access to a large greenhouse, fish hatchery, equestrian arena, computer lab, and science lab. Our mission is to provide students with the highest quality technical education that leads to careers in high demand sectors of the agriculture, aquaculture and animal professions.

### **Certificate: Animal Care & Management**

Possible Careers: Careers in these areas include veterinary assistants, shelter operators, animal control officers, groomers, zookeepers, animal handlers, trainers, therapists and day-care operators/providers.

### **Certificate: Horticulture Science**

Possible Careers: Succeed in the highly specialized field of horticulture as a Grower, Organic farmer, Plant Biologist, Herbalist, Nursery Worker, or Research Specialist.

### **Careers** (*DOL CareerOneStop Median Income – overtime not included*)

- Nursery and Greenhouse Managers: \$71,160 (U.S.) \$70,430 (AZ)
- First-line Supervisors-Agricultural Crop & Horticultural Workers: \$50,080 (U.S.) \$54,450 (AZ)





# APPLIED PRE-ENGINEERING

## AAS Degree

The **Associate of Applied Science Degree in Applied Pre-Engineering** is designed to provide students with a working knowledge of engineering concepts and to allow students to complete their B.S. degree at a four-year institution.

- Individuals usually end up in research, design, development, testing, or supervision of the manufacturing and installation of equipment, components, or systems for commercial, industrial, military, or scientific use.
- The program places greater emphasis on real-world engineering applications and problem solving.
- The exposure to innovative industrial-strength engineering applications prepares students for their Bachelor of Science work.
- Earn seven separate industry certifications for electronics, robotics, SolidWorks and computer numerical control.

### Careers *(DOL CareerOneStop Median Income – overtime not included)*

- Electronics Engineers, Except Computer (requires BS): \$107,540 (U.S.) \$109,950 (AZ)
- Electronic Engineering Technicians: \$67,550 (U.S.) \$65,250 (AZ)
- Electrical & Electronics Engineering Technicians: \$67,550 (U.S.) \$65,250 (AZ)
- Industrial Engineering Technicians: \$57,320 (U.S.) \$61,250 (AZ)
- Robotics Technicians: \$59,800 (U.S.) \$72,120 (AZ)







# AUTOMOTIVE TECHNOLOGY

## AAS Degree & Certificate

Automotive Technician  
Automotive Master Technician

These programs prepare students with the technical skills to obtain direct employment or to upgrade the skills of individuals already in the industry automotive industry. They also prepare students for the National Automotive Service Excellence certification examinations, which are required for most entry-level employment opportunities.

### Careers *(DOL CareerOneStop Median Income – overtime not included)*

- Automotive Specialty Technicians: \$44,050 (U.S.) 42,010 (AZ)
- Automotive Master Mechanic: \$44,050 (U.S.) 42,010 (AZ)
- Automotive Engineering Technicians: \$58,230 (U.S.) \$60,830 (AZ)



# AUTOMOTIVE BODY PAINT & COLLISION TECHNOLOGY

## Certificate

The **Auto Body Paint and Collision Technology certificate** prepares students for entry-level employment in the auto body and collision industry. The program addresses all areas of basic auto body repair and refinishing including: frame and body repair, painting, special effects and graphic design, and upholstery.

The program covers all areas of basic auto body repair and refinishing including:

- Frame and body repair
- Painting, special effects, airbrushing and graphic design
- Upholstery

## Careers *(DOL CareerOneStop Median Income – overtime not included)*

- Automotive Body and Related Repairers: \$45,350 (U.S.) \$46,620 (AZ)
- Painters, Transportations Equipment: \$34,780 (U.S.) \$33,940 (AZ)
- Coating, Painting and Spraying: \$34,780 (U.S.) \$33,940 (AZ)





# CANINE CARE AND HANDLING

## Certificate

The **Canine Care and Handling Certificate** prepares students for entrepreneurship, employment or advancement in a variety of canine fields by developing student/canine handling skills, communication skills, health care and business operations knowledge.

- Students also complete the training requirements for the Therapy & Service Dog Team Skills certificate that provides skills needed to take the Canine Good Citizen (CGC) test and a therapy dog evaluation exam offered by evaluators from three national therapy team organizations.
- Advanced handling and task classes result in a Service Dog certificate.
- Train animals for, security, performance, or obedience, or assisting persons with disabilities.
- Accustom animals to human voice and contact, and condition animals to respond to commands. Train animals according to prescribed standards for show or competition.
- May train animals to carry pack loads or work as part of pack team.

## Careers *(DOL CareerOneStop Median Income – overtime not included)*

- Animal Breeders: \$40,770 (U.S.)
- Animal Trainers: \$31,520 (U.S.) \$32,180 (AZ)
- Animal Control Workers: \$38,430 (U.S.) \$37,910 (AZ)



# COMMERCIAL DRIVER TRAINING

## Certificate

The **Commercial Driver Certificate** prepares the student to take the Arizona Department of Transportation (ADOT) commercial driver's license (CDL) permit exam, and to complete 30 hours of driver training needed to pass the ADOT CDL Class A, B, or C commercial license road test.

### Careers *(DOL CareerOneStop Median Income – overtime not included)*

- Heavy and Tractor-Trailer Drivers: \$45,260 (U.S.) \$45,010 (AZ)
- Bus Drivers, School or Special Client: \$32,320 (U.S.) \$30,790 (AZ)
- Taxi Drivers and Chauffeurs: \$32,320 (U.S.) \$30,790 (AZ)







# COMPUTER NUMERICAL CONTROL (CNC) MACHINING Certificate

The **CNC Machining certificate** is designed to prepare students for entry-level CNC machining and programming positions. The program offers a series of skill-building courses in CNC machining and CAM programming for the individual desiring full-time employment in the CNC manufacturing industry. This is a certificate program focusing on safe practices, tools and mathematics with emphasis on problem solving, computer-aided design, 3D printing and blueprint reading, fabrication, assembly, and control systems.

**Sample of reported job titles:** Computer Numerical Control Lathe Operator (CNC Lathe Operator), Computer Numerical Control Mill Operator (CNC Machine Operator), Computer Numerical Control Machinist (CNC Machinist), Computer Numerical Control Operator (CNC Operator), Computer Numerical Control Set-Up and Operator (CNC Set-Up and Operator), Computer Numerical Control (CNC Mill and Lathe Programmer).

## Careers *(DOL CareerOneStop Median Income – overtime not included)*

- CNC Operator: \$42,260 (U.S.) \$41,120 (AZ)
- Machinists: \$45,840 (U.S.) \$48,290 (AZ)
- Tool and Die Makers: \$54,760 (U.S.) \$55,410 (AZ)



# CONSTRUCTION TECHNOLOGY

## Yavapai College Courses

The **Construction Technology Courses** are designed to provide students with hands on training in basic carpentry as it applies to the residential construction industry. This includes core skills including framing, foundations, basic concrete, roofing, safety, window and door framing, blueprint reading, flooring, and interior and exterior finishing. Students will receive training in all of these areas, leading to entry-level jobs in high demand.

The construction industry is one of the largest industries in the world, and provides an opportunity to work both indoors and outdoors applying hands-on skills. The sector includes the building of industrial, residential, commercial and engineering projects including roads, bridges and utility systems. In addition, more work is available in remodeling, additions, maintenance, and repairs. The industry allows individuals to live and work where they want, and construction is a constant part of the economy in the United States.

More than 790,400 new jobs are projected to grow in the construction industry by 2024, with an annual estimated growth of 10%.

**Sample of reported job titles:** Framers, Roofers, Painters, Dry Wall Installers, Concrete Workers, Inspectors, Plans Examiners, Estimators, Masons, Electricians, Boilermakers, Solar Photovoltaic Installers.

### Careers (*DOL CareerOneStop Median Income – overtime not included*)

- Construction Carpenters: \$49,520 (U.S.) \$ 45,760 (AZ)
- Insulation Workers: \$50,030 (U.S.) \$57,370 (AZ)
- Solar Installers: \$44,890 (U.S.) \$54,380 (AZ)
- Drywall and Ceiling Tile Installers: \$47,460 (U.S.) \$43,210 (AZ)







# CONSTRUCTION TECHNOLOGY

## *Continued*

### Electrician

Install, maintain, and repair electrical wiring, equipment, and fixtures. Ensure that work is in accordance with relevant codes. May install or service street lights, intercom systems, or electrical control systems.

**Sample of reported job titles:** Electrician; Industrial Electrician; Inside Wireman; Maintenance Electrician; Mechanical Trades Specialist, Qualified Craft Worker

#### *Careers (DOL CareerOneStop Median Income)*

- Electrician: \$56,900 (U.S.) \$48,850 (AZ)
- Control and Valve Installers: \$60,580 (U.S.) \$66,280 (AZ)

### Plumber

Assemble, install, or repair pipes, fittings, or fixtures of heating, water, or drainage systems, according to specifications or plumbing codes.

**Sample of reported job titles:** Commercial Plumber; Drain Cleaner, Plumber; Drain Technician; Plumber Gasfitter; Plumbing and Heating Mechanic; Residential Plumber; Service Plumber

#### *Careers (DOL CareerOnestop Median Income)*

- Plumber: \$56,330 (U.S.) \$49,830 (AZ)
- Maintenance & Repair Workers: \$40,850 (U.S.) \$38,060 (AZ)



# CONSTRUCTION TECHNOLOGY

## Continued

### 3D House Printing

This emerging technology in the United States uses a concrete 3D Printer to print a house within 72-hours. Yavapai College and partners are offering this technology in the area for construction of affordable housing in the area.

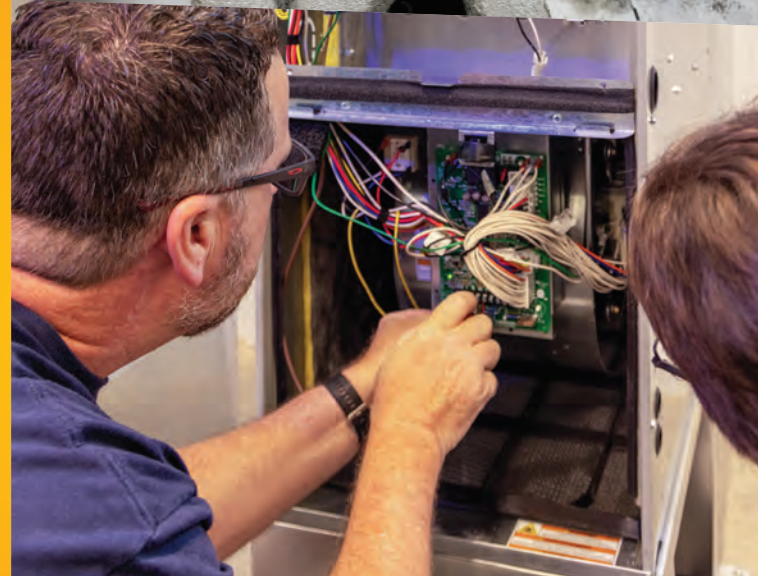
### HVAC/R Technician Certificate

The program graduates are prepared to maintain and install heating, ventilation and air conditioning equipment. They have the technical knowledge needed for the job of diagnosing and repairing HVAC equipment. These professionals are needed for a variety of work, such as; contracting jobs for new construction sites, repair or replacing existing equipment in homes, or commercial sites while meeting local HVAC codes. Problem-solving is a major part of the job as well as good communication skills and customer service skills so they can explain what repairs need to be made and why.

**Sample of reported job titles:** A/C Tech (Air Conditioning Technician), HVAC Installer (Heating, Ventilation, Air Conditioning Installer), HVAC Mechanic (Heating, Ventilation, Air Conditioning Mechanic), Refrigeration Mechanic, Service Technician, Transportation Refrigeration Technician (Transportation Refrigeration Tech), Commercial HVAC Technician

### Careers *(DOL CareerOneStop Median Income – overtime not included)*

- HVAC Technician: \$50,590 (U.S.) \$46,440 (AZ)
- Control and Valve Installers and Repairers: \$60,580 (U.S.) \$66,280 (AZ)
- Plumbers, Pipefitters, and Steamfitters: \$56,330 (U.S.) \$49,830 (AZ)







# CULINARY ARTS FUNDAMENTALS

## Certificate

The **Certificate in Culinary Arts Fundamentals** is designed to equip students with basic skills in culinary arts. The program provides instruction in culinary concepts and terminology, kitchen safety and sanitation, equipment usage, basic nutritional guidelines, standard and metric measurements, food costing, and theory and practice in the production of culinary products. Courses emphasize fundamental cooking techniques and preparation methods for hot foods, breakfast items, salads, sandwiches, dressings, breads and pastries.

Direct and may participate in the preparation, seasoning, and cooking of salads, soups, fish, meats, vegetables, desserts, or other foods. May plan and price menu items, order supplies, and keep records and accounts.

**Sample of reported job titles:** Banquet Chef, Certified Executive Chef (CEC), Chef, Chef, Instructor, Cook, Corporate Executive Chef, Executive Chef (Ex Chef), Executive Sous Chef, Head Cook, Line Cook.

## Careers *(DOL CareerOneStop Median Income – overtime not included)*

- Chefs and Head Cooks: \$53,380 (U.S.) \$52,100 (AZ)
- Food Preparation Workers: \$26,070 (U.S.) \$26,590 (AZ)
- Cooks, Fast Food: \$24,380 (U.S.) \$25,300 (AZ)



# DIESEL TECHNOLOGY

## AAS Degree & Certificate

The **Diesel Technology Certificate program** prepares individuals to diagnose, adjust, repair, or overhaul buses and trucks, or maintain and repair any type of diesel engines. Includes mechanics working primarily with automobile or marine diesel engines. Students in this program are prepared for entry-level positions in the automotive diesel specialty area, trucking industry, heavy equipment industry, and city/county fleet services areas.

**Note:** Freeport McMoRan, Inc. sponsor mining programs designed to prepare students for direct employment in the mining industry.

Upon successful completion of the Diesel Technician Certificate program, the learner will be able to: Analyze and repair automotive and light truck diesel engines, fuel system components, electrical system components, drive trains, computer-controlled systems and perform basic service maintenance.

## Careers *(DOL CareerOneStop Median Income – overtime not included)*

- Diesel Engine Specialist: \$50,200 (U.S.) \$47,830 (AZ)
- Farm Equipment Mechanic: \$43,880 (U.S.) \$48,960 (AZ)
- Bus and Truck Mechanic: \$50,200 (U.S.) \$47,830 (AZ)





# ELECTRIC UTILITY TECHNOLOGY - LINEWORKER

## AAS Degree & Certificate

Individuals in this program are ready for positions in the installation, repair and maintenance of commercial electrical and electronic equipment.

The first-year of the program is focused on developing foundation skills in basic electronics/electrical systems. The second-year focuses on hands-on application and experience in the pole field at the Chino Valley Center. Individuals in the program are prepared for a position as an apprentice-level line worker who is familiar with the use of tools, materials, and equipment of the electric utility industry. Students are trained in power line installation and maintenance, pole climbing and use of tools, truck and equipment operation, and overhead and underground distribution, construction and maintenance of electrical lines.

Four-foundation course will earn a certification with the International Society of Certified Electronics Technicians.

### Careers *(DOL CareerOneStop Median Income – overtime not included)*

- Electrical Power-line Installers and Repairers: \$75,030, (U.S.) \$75,220 (AZ)
- Telecommunications Equipment Installers: \$61,470 (U.S.) \$49,640 (AZ)





# ELECTRICAL & INSTRUMENTATION TECHNOLOGY

## AAS Degree & Certificate

The **Electrical & Instrumentation Technology AAS degree** is designed to prepare students for positions in the installation, repair, and maintenance of commercial electrical and electronic equipment.

***Note:** Freeport McMoRan, Inc. sponsor mining programs designed to prepare students for direct employment in the mining industry.*

### Certificate

There are six stackable certificates under Electrical & Instrumentation; **Electrical Instrumentation Technician Certificate, Electronic Technology Certificate, Electronics – Industrial Electronics Certificate, Digital Electronics Certificate, Advanced Electronics Certificate, Analog Electronics Certificate.** The certificates trains students for careers in the operations, maintenance and repair of complex electronic equipment. All instruction emphasizes a hands-on approach utilizing sophisticated test equipment. Individuals lay out, build, test, troubleshoot, repair, and modify developmental and production electronic components, parts, equipment, and systems, such as computer equipment, process control instrumentation, test equipment, applying principles and theories of electronics, electrical circuitry, mathematics, electron and electrical testing. Usually work under the direction of engineering staff.

### Careers *(DOL CareerOneStop Median Income – overtime not included)*

- Electrical & Electronic Assemblers: \$36,390 (U.S.) \$36,760 (AZ)
- Electrical & Electronic Repairers: \$62,010 (U.S.) \$56,000 (AZ)
- Electrical Engineers Technicians: \$67,550 9U.S.) \$65,250 (AZ)





# EMERGENCY MEDICAL TECHNICIAN

## Certificate

The **Emergency Medical Technician** certificate (EMS 132) provides fundamental knowledge about emergency medical procedures and techniques. These include artificial respiration, cardio-pulmonary resuscitation, control of bleeding, splinting, extrication and light rescue, and ten hours of hospital training and observation to give Emergency Medical Technicians improved clinical knowledge of the profession. Successful completion of EMS 132, with a grade of "C" or better, qualifies the student to take the National Registry of EMT Certification examination for EMT.

### Careers *(DOL CareerOneStop Median Income – overtime not included)*

- Emergency Medical Technician - \$35,400 (U.S.) \$35,740 (AZ)
- Paramedic - \$35,400 (U.S.) \$35,740 (AZ)

# EQUINE CARE AND MANAGEMENT

## Certificate

The **Equine Care and Management certificate** prepares students for entrepreneurship, employment, or advancement in a variety of equine fields including business/barn management, training, husbandry, grooming, sales, marketing and nutrition.

Identify and select horses by breed, apply horse anatomy to function, manage equine facilities and events, apply training techniques from ground and saddle, apply grooming and health techniques, and develop and implement business plans.

**Sample of reported job titles:** Animal Technician, Broodmare Foreman, Barn Manager.

### Careers *(DOL CareerOneStop Median Income – overtime not included)*

- Animal trainers: \$31,520 (U.S.) \$32,180 (AZ)
- Farmworkers, Farm Ranch: \$29,130 (U.S.) \$30,180 (AZ)







# FILM AND MEDIA ARTS

## Certificate

### Writing for the Screen Film and Media Production

**Writing for Screen.** Storytelling is at the core of the Film and Media Arts Program, and it all starts with a script. Whether creating content to be shared by a business or non-profit, a documentary, narrative, video game or VR, story is the building block. There are multiple platforms needing content and that's why this certificate is called Writing for the Screen; it means just that. Writing across the various types of "screens" with classes like Writing for Video Games and Virtual Reality, Immersive Transmedia Storytelling, Citizen Journalism, Podcasts, and more! Diverse classes that help writers create scripts across many different platforms, including, of course, Screenwriting I and II! This certificate is all on-line.

**Film & Media Production.** As everyone knows, media consumption across the globe has EXPLODED and the need for content has never been greater. This is an opportunity to learn skills needed to tell a story visually and professionally. The Film and Media Production Certificate offers industry-standard equipment, editing software and instructors who know the industry. Crafted to give students an edge in the job market, learning skills that help them create films, client-based video and direction in setting up their own production companies, this is truly a comprehensive certificate. Learn production, editing, motion graphics, cinematography, animation and more! Eight-week classes supports students to get through the program in one year, starting in the Summer.

### Careers *(DOL CareerOneStop Median Income – overtime not included)*

- Film and Video Editors: \$63,780 (U.S.) \$60,090 (AZ)
- Producers: \$74,420 (U.S.) \$52,030 (AZ)
- Program Director: \$74,420 (U.S.) \$52,030 (AZ)

# FIRE SCIENCE

## AAS Degree & Certificate

The **Fire Science program** is an interdisciplinary program of study provides individuals the education and skills necessary to initiate success in the profession, or continue personal growth within the profession. There are a broad range of employment opportunities including Firefighter, Hazardous Materials Technician, Fire Marshal/Inspector, Fire Investigator, and Fire Service Supervisor/Manager. This degree program is appropriate for individuals already employed in the Public Safety field who are seeking skill upgrade and promotional opportunities, and individuals preparing to transfer to a four-year college/university.

IFSAC Accredited and National Fire Academy/FESHHE recognized.

### Certificates

- Firefighter I & II Academy
- Fire Science Driver/Operator
- Fire Science Basic Firefighter
- Fire Science Officer/Manager
- Fire Science Community Risk Manager
- Wildland Firefighter

### Careers *(DOL CareerOneStop Median Income – overtime not included)*

- Firefighter: \$52,500 (U.S.) \$46,250 (AZ)
- Forest firefighter: \$52,500 (U.S.) \$46,250 (AZ)





# GUNSMITHING

## AAS Degree & Certificate

Listed as one of the BEST gunsmithing programs in the nation, the focus of the program is to provide knowledge to acquire employment in the areas of the custom gun trade as a custom Gunsmith.

Students will receive training in the areas of mills, lathes, CNC machining, competition firearms, and guild firearms production.

### Certificate and Advanced Certificate

The **Gunsmithing certificate** prepares the student for direct employment as a gunsmith in an established shop.

The **Advanced Gunsmithing certificate** (3rd-year) prepares students with highly specialized training in their choice in the areas of CNC machining, competition firearms, engraving, and guild firearms production.

**Sample of reported job titles:** Gunsmith, Machinist (mills & lathes), CNC Operator, Engraver, and Weapons Repair.

### Careers *(DOL CareerOneStop Median Income – overtime not included)*

- Machinist: \$45,840 (U.S.) \$48,290 (AZ)
- Gunsmith: \$40,000 (U.S.) [payscale.com](https://www.payscale.com)
- Metal Worker: \$35,520 (U.S.) \$35,630 (AZ)



# VITICULTURE AND ENOLOGY

## AAS Degree and Certificate

The **Viticulture and Enology degree program** prepares students for a variety of careers in vineyards (vineyard workers, crew leaders, managers, viticulturists) to wineries (winemakers, cellar workers, lab technicians). Individuals learn hands-on real world, scientific experience in a student run vineyard.

They also learn the concepts of producing wine at the state-of-the-art teaching winery and 13-acre estate vineyard. Experience is gained in the marketing and business aspects of the industry by working in the Southwest Wine Center tasting room located within the campus winery.

**Sample of reported job titles:** Winemaker, Sales, Tasting Room Manager, Wine Club Manager, Vineyard Manager, Office Manager.

## Careers *(Wine Business Monthly Salary Survey Annual Base Pay)*

- Winemaker: \$96,399 (U.S.) \$70,000 (Southwest)
- Vineyard Manager: \$66,329 (U.S.) \$42,500 (Southwest)
- Office Manger: \$57,935 (U.S.) \$50,714 (Southwest)

# BREWING TECHNOLOGY

## Certificate

The **Brewing Technology Certificate** provides students with the knowledge and skills to enter into the brewing industry in entry-level positions. These courses include brewing equipment and maintenance, beer production, styles, and food safety principles.

## Salary.com median income

- Brewer: \$44,701 (U.S.)





# WELDING

## Certificate – Four Stackable Certificates

Gas Metal Arc Welding  
Gas Tungsten Arc Welding  
Pipe Welding  
Structural Welding

Prepares students for employment in welding positions requiring competency in the field of Gas Metal Arc Welding, Gas Tungsten Arc Welding, Pipe Welding, and Structural Welding. Coursework may upgrade skills and assist in career advancement for currently employed welders. Learn how to use various types of welding and cutting equipment for repair and fabrication.

Prepares to successfully complete American Welding Society Certification tests which are recognized throughout the United States and world.

**Sample of reported job titles:** Aluminum Welder, Fabrication Welder, Fabricator, Fitter/Welder, Maintenance Welder, Mig Welder, Sub Arc Operator, Welder, Welder-Fitter, Welder/Fabricator.

## Careers *(DOL CareerOneStop Median Income – overtime not included)*

- Welders, cutter, and welder fitters: \$44,190 (U.S.) \$45,300 (AZ)
- Structural Metal Fabricator and Fitters: \$41,780 (U.S.) \$35,750 (AZ)
- Pipe Fitters and Steamfitters: \$56,330 9U.S.) \$49,830 (AZ)





Chino Valley Center



Prescott Valley Center



Verde Valley Campus



CTEC



Sedona Campus

## Learning Never Stops

### AT THE CAREER & TECHNICAL EDUCATION CAMPUSES

#### CHINO VALLEY CENTER

2275 Old Home Manor Way,  
PO Box 4048  
Chino Valley, AZ 86323

(928) 717-7720

#### CTEC

220 Ruger Rd.,  
Prescott, AZ 86301

(928) 776-2002

#### PRESCOTT VALLEY CENTER

3800 North Glassford Hill Road,  
Prescott Valley AZ 86314

(928) 717-7777

#### SEDONA CENTER

4215 Arts Village Dr.,  
Sedona, AZ 86336

(928) 649-4265

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Clarkdale, AZ 86324

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