

Enroll in Metals Manufacturing Today

Several TUSD high schools offer Metals Manufacturing programs.

Talk with your counselor and CTE

teacher to determine

what high

school courses you need

to take. You may earn

Pima Community College

credits for these

courses as well.

Find more information about Metals Manufacturing (Machine Tools) programs at:

<http://pima.edu>

<http://uofa.edu>

<http://asu.edu>

<http://nau.edu>



See your counselor today!

Metals Manufacturing

Tucson Unified School District

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Career and Technical Education

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TUSD's Metals Manufacturing Program

Students are introduced to Metals Manufacturing as it relates to the manufacturing process including topics such as product design, development and production. Students have the opportunity to apply technical knowledge and skills to safely shape parts on different types of machines including lathes, milling machines, grinders, buffers, drill presses and cutting equipment. An emphasis is placed on problem solving, safety practices, career exploration, work ethic, technological literacy and leadership training.

Advanced students continue to operate machinery and fabricate projects using progressive techniques and procedures and are introduced to the computerized and electrical energy machine process. Students who complete Metals Manufacturing earn articulated Pima Community College credit.



Experience is hands-on!

Metals Manufacturing's Student Organization

SkillsUSA is a national organization serving high school students enrolled in training programs in technical, skilled and service occupations. This organization prepares America's high performance workers by providing quality education experiences for students in leadership, teamwork, citizenship and character development. It builds and reinforces self-confidence, work attitudes and communication skills. It also emphasizes total quality at work, high ethical standards, superior work skills, life-long education and pride in the dignity of work. SkillsUSA also promotes understanding of the free enterprise system and involvement in community service activities. Programs include local, state and national competitions in which students demonstrate occupational and leadership skills. SkillsUSA programs also help to establish industry standards for job skill training in the classroom. Visit the website at www.skillsusa.org.



Career Opportunities in Metals Manufacturing

Job opportunities are excellent for machinists as employers continue to report a need for workers with the necessary skills and knowledge to fill machining and CNC programming openings.

Computer Programmer

Mechanical Engineer

Mechanical Inspector

Machinist

CNC Machinist

CNC Programmer

Tool and Dye Maker

Welder

Metalworking/Plastic Working Machine Operator

Extruding and Forming Machine Operator

Woodworking Machine Operator

Source: *Occupational Outlook Handbook*, ONET, <http://stats.bls.gov/oco/home.htm>, Bureau of Labor Statistics, U.S. Department of Labor.

Career and Technical Education

Tucson Unified School District does not discriminate on the basis of race, color, national origin, sex, sexual orientation, age, religion, or disability in admission or access to, or treatment or employment in, its education programs or activities.