

## Enroll in Drafting Today

Several TUSD high schools offer Drafting 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.



See your counselor today!

Find more information about Drafting programs at:

<http://pima.edu>  
<http://uofa.edu>  
<http://asu.edu>  
<http://nau.edu>



Tucson Unified School District  
**TUSD**  
*Celebrate the US!*

### Career and Technical Education

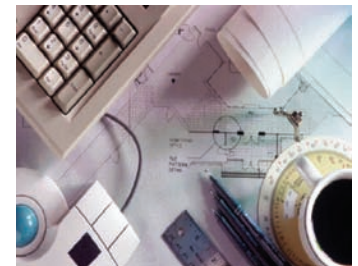
Lee Instructional Resource Center  
2025 E. Winsett  
Tucson, Arizona 85719

Phone: (520) 225-4652  
Fax: (520) 225-4873

## Career and Technical Education

*Tucson Unified School District*

# Drafting



Tel: (520) 225-4652

## TUSD'S Drafting Program

Drafting introduces students to mechanical, machine, architectural and computer-aided drafting (CAD). Students have the opportunity to learn proper hand and computer-assisted drafting procedures for producing technical drawings. Direct employment in trade and industry and/or advancement to higher level education is a goal of the program. Advanced students continue to produce original drawing projects using a more advanced version of the CAD program. Mechanical/Engineering AutoCAD drafting skills are applied to projects involving machines



and machine parts. Architectural AutoCAD drafting skills are applied to designing and drawing structures such as bridges, buildings, homes and offices. More advanced students apply Electrical AutoCAD skills to projects involving electronic circuits and devices, then more complex projects involving engineering designs and development. A professional portfolio helps students make a smooth transition to the workplace and/or college. Students who complete CAD drafting earn articulated Pima Community College credit.

## Drafting'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



Official SkillsUSA-logo

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 national SkillsUSA website at [www.skillsusa.org](http://www.skillsusa.org) and/or the Arizona SkillsUSA website at [www.azskillsusa.org](http://www.azskillsusa.org).

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.

## Career Opportunities in Drafting

Individuals planning careers in drafting can expand their opportunities by taking courses in math, science, computer technology, design or computer graphics and any high school drafting courses available. Artistic ability is helpful in some specialized fields, as is knowledge of manufacturing and construction methods. In addition, prospective drafters should have good interpersonal skills because they work closely with other professionals.

**Architect**

**Landscape Architect**

**Designer**

**Civil Engineer**

**Aeronautical Drafter**

**Electrical Drafter**

**Civil Drafter**

**Mechanical Drafter**

**Process Piping/Pipeline Drafter**

**Surveyor**

**Engineering Technician**

**Science Technician**

**Cartographer**

**Urban Planner**

**Interior Designer**

**Industrial Designer**

**Graphic Designer**



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