Fire Science students have the opportunity to get involved in SkillsUSA, a Career and Technical Education Student Organization where students learn leadership, personal development, and career exploration skills.

www.azskillsusa.org
www.skillsusa.org

The Fire Science program prepares students to perform technical services involved with planning, organizing, researching, directing and controlling functions and processes related to the provision of fire science services. An integrated approach to teaching and learning is provided as students develop interpersonal relations, career development skills and technical knowledge and skills associated with careers in this field. Students completing this program will be prepared to participate in teams, solve problems, think critically and implement effective solutions.

**Recommended Career and Technical Education (CTE) Electives in the Fire Science Program:**

- **Fire Science** (Grade 12 / 1 Credit)
- **IntroTech** (if available) (Grade 9 - 11 / 1 Credit)
- **Child Development** (if available) (Grade 10 - 11 / 1 Credit)

**Fire Science**

4 credits of Language Arts
3 credits of Social Studies
2 credits of Science (3 credits for endorsement)
2 credits of Math (4 credits for endorsement)
1 credit of Fine Arts OR CTE
(Fine Arts for endorsement)
1 credit of Physical Education
(2 credits of Foreign Language for endorsement)

- 5-7 credits of ELECTIVES can be selected from the course offerings for each high school. Consider exploring your desired career path through related CTE courses.

ALL CTE programs offer post-secondary opportunities through community colleges, universities, trade schools and apprenticeships. Your GUHSD school counselor can provide you with valuable resource materials to help with planning your future after high school:

- Guide to Post-High School Planning
- Senior Scholarship Guide and Directory
- Career Pathways Brochures

Be sure to request these materials TODAY!

**Graduation Requirements and CTE Opportunities**

The Glendale Union High School District diploma is designed to satisfy the graduation requirements established by the State Board of Education and those of the GUHSD Governing Board. Meeting these minimum requirements will result in a high school diploma. Additional credits are required for acceptance into a college or university, and results in an “endorsed” diploma. The required twenty credits (minimum) or twenty three credits (endorsement) are earned by taking the following required courses:

- 4 credits of Language Arts
- 3 credits of Social Studies
- 2 credits of Science (3 credits for endorsement)
- 2 credits of Math (4 credits for endorsement)
- 1 credit of Fine Arts OR CTE
  - (Fine Arts for endorsement)
- 1 credit of Physical Education
  - (2 credits of Foreign Language for endorsement)

- **Graduation Requirements:**
  - 20 credits (minimum)
  - 23 credits (endorsement)

**Academic Integration**

GUHSD is committed to rigorous and relevant learning for ALL students. CTE teachers are actively working with teachers of other disciplines to align standards, tests and essential skills to enhance instruction. This focus of learning integrates academic skills which may include the following:

- Computer Science
- Language Arts
- Math
- Science
- Social Studies

CTE marketing materials made possible through funding from West-MEC.

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A Sample of AZ Career Opportunities in Fire Science

Annual Wages (% of Anticipated Growth by 2013)

MODERATE-LONG TERM ON THE JOB TRAINING

- Police, Fire, and Ambulance Dispatchers
  $31,600 - 32,400 (24%)

LONG TERM ON THE JOB TRAINING

- Fire Fighters
  $35,400 - 35,800 (33%)

WORK EXPERIENCE IN A RELATED OCCUPATION

- First-Line Supervisors/Managers of Fire Fighting and Prevention
  $57,900 - 60,300 (32%)

- Fire Inspectors & Investigators
  $45,800 - 46,300 (17%)

- Forest Fire Inspectors & Prevention Specialists
  $35,600 - 37,400 (23%)

- Forest Service Engine Crews, Hot Shot Crews, Helitac Crews and Smoke Jumpers
  $36 - 39.00/Hour (seasonal)


A Few Web Sites of Interest Related to Fire Science

- International Association of Fire Fighters www.iaf.org
- USDA Forest Service Fire Management www.fs.fed.us/fire/science/
- United States Fire Administration www.usfa.dhs.gov/

What Post-Secondary Schools in Arizona Offer Fire Science Programs?

Community Colleges
www.50states.com/cc/arizona.htm

Colleges, Universities, Technical Schools
www.50states.com/college/arizona.htm

(Information for other states can also be found at this site.)

Want to Explore Some Careers?

Vocational Information Center www.khake.com

America’s Career Info Net www.acinet.org/acinet/occ_rep.asp


Entire site is informative — Click on Occupational Outlook Handbook for Career Information

Source: Arizona Department of Education www.ade.az.edu/CTE/careerpathways

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Career Pathways

The Career Pathway for Fire Science is Health Services. Occupations in this Career Pathway are related to the diagnosis and treatment of diseases, disorders, and injuries; laboratory technology; nursing; and therapy. These may include medical/dental assisting, veterinary medicine, nursing, or physical therapy.

Recommended areas of electives for the Health Services Career Pathway include the following:

- Applied Biological Systems
- Health
- Nutrition
- Computer Science
- Math electives
- Science electives

Source: Arizona Department of Education www.ade.az.edu/CTE/careerpathways