



Tucson Unified School District
Career and Technical Education
2025 E. Winsett St.
Tucson, AZ 85719-6942
Phone 520.225.4652 Fax 520.225.4873

Ensure a dynamic workforce by fully developing every student's career and academic potential

Program Overview

The program will provide an overview of the characteristics and behavior of fire, fire hazard properties of ordinary materials, extinguishing agents, fire suppression organization and equipment, basic fire fighting tactics, and public relations as affected by fire suppression. The program for which we are asking approval for the supplemental materials is Fire Science I at Rincon High School. The program is staffed by a CTE Certified Instructor and supported by nine certified Firefighters that act as Program Specialists. Currently it is offered for two periods with a combined enrollment of 53. The Career and Technical Education department using JTED funds for all materials and FTE supports the program. The Arizona Department of Education recognizes Fire Science as a CTE program and provides Standards and State Assessments.

Program of Study

The program population is geared towards 10th and 11th grade students, with an optional third year through a partnership with the Pima County JTED. The coherent sequence for the program consists of two years, Fire Science 1 and Fire Science 2 at the site level. Upon Completion of the two year sequence students would have earned CPR, First Aid and Hazmat certification. If students choose to continue and complete the third year they would earn 17.5 credits from Pima Community College and Wild Land Fire Certification. The third year students are exposed to the Fire and Emergency Services Higher Education curriculum, which the supplemental materials directly tie into. In addition to CTE Technical Standards (**see attached**) the following **Workplace Skills** as defined by the Arizona Department of Education will also be emphasized.

- **Complex Communication:** Employs complex communication skills in a manner that adds to organizational productivity.
- **Collaboration:** Collaborates, in person and virtually, to complete tasks aimed at organizational goals.
- **Expert Thinking:** Integrates a mastery of technical knowledge and skills with thinking strategies to create, to innovate, and to devise solutions.
- **Professionalism:** Conducts oneself in a professional manner appropriate to organizational expectations.
- **Initiative and Self-Direction:** Exercises initiative and self-direction in the workplace.

Notice of Nondiscrimination

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



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- **Intergenerational and Cross-Cultural Competence:** Interacts effectively with different cultures and generations to achieve organizational mission, goals, and objectives.
- **Organizational Culture:** Functions effectively within an organizational culture.
- **Legal and Ethical Practices:** Observes laws, rules, and ethical practices in the workplace.

Assessment & Instruction

Being a first year program at Rincon there is no previous State Assessment data. Once students have completed the second year of the program they will take the ADE State Assessment exam in the fall and the spring. Students will receive both direct and practical instruction, and will be assessed on both. Instruction will consist of technical writing and reading assignments and practical skill development both as a team and individual. The practical skills will be delivered by the Fire Fighters under the supervision of the teacher of record. The supplemental materials are recognized by the National Fire Protection Agency (NFPA) and used by Skills USA in Arizona for state competition. They cover the 2013 NFPA, standard for Fire Fighter Professional Qualifications and standard for Competence of Responders to Hazardous Materials/Weapons of Mass Destruction Incidents. Students will use this book as a supplement both prior to and after practical skill development.

Community Support

This program has Fire Fighters from Northwest Fire Department and Tucson Fire Department as Program Specialists. The Tucson Fire Department has also donated materials in the form of Turn Outs for the students. It also works in collaboration with the Pima County JTED Fire Science Program. This type of program can not only develop the skills needed to pursue a Fire Science career, but can also become a focal point on a campus as a premier Career and Technical Education Program.

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