

FIRE SCIENCE FACILITY TECHNICIAN**DEFINITION**

Under direction, to provide technical service support to the fire science training facility system hardware and software applications; assist in the repair, troubleshooting, and maintenance of the facility computer and software programs; and assist in the development and conduct fire fighting training program; and to do other related work as required.

SUPERVISION RECEIVED AND EXERCISED

The incumbent in this class works under the direction of a manager or senior manager, receiving occasional supervision while working toward a definite objective that requires use of a wide range of procedures. The incumbent plans and/or determines specific procedures or equipment required to meet assigned objectives and solve non-routine problems, referring only unusual matters to a supervisor.

An incumbent in this class does not directly lead or supervise other full-time employees, but may assign, direct and/or monitor the work of subordinate full time, part time, and/or student employees on a project or assignment basis.

ESSENTIAL DUTIES

- Set up, operate, and evaluate the fire simulator equipment.
- Perform hardware and software tests, using of diagnostic and test equipment.
- Prepare and recommend instructions and guidelines for use in the operation of the fire science facility operations.
- Perform routine maintenance functions relative to the fire apparatus, fire-fighting equipment, and training props.
- Assist in the review and diagnosis of problems regarding the fire-training center.
- Provide operational assistance concerning a variety of operating platforms.
- Establish and maintain a variety of files, logs and records pertaining to the fire science facility.
- Oversee the training facility library and equipment checkout system.
- Train, orient, and in-service facility trainees, and offer assistance in trainee problems, issues and concerns.
- Work closely with fire science instructors in evaluating trainee performance.
- Perform other related duties.

TYPICAL WORKING CONDITIONS

- Work is generally performed in a standard office environment, but also includes activities that occur in a variety of indoor and outdoor settings. Some exposure to varied weather conditions may be required.

MINIMUM QUALIFICATIONS

To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The knowledge and ability requirements are representative of essential duties.

Reasonable accommodation may be made to enable individuals with disabilities to perform the essential functions of the position.

- **Knowledge of:** Methods, procedures, and techniques pertaining to a fire simulator facility; systems; Fire science technology trends, practices and procedures; Fire Training Facility maintenance and repair procedures; computer and software simulator operating systems; English usage, spelling, grammar, punctuation and arithmetical processes.
- **Ability to:** Effectively and efficiently participate in the operation of the fire science simulator; test, analyze, and interpret the fire science facility problems, issues, and concerns, and determine problem solutions; evaluate and recommend systems based on operational observations; perform arithmetical calculations with speed and accuracy; understand and carry out oral and written directions; establish and maintain cooperative working relationships.

Licenses and Certificates: Possession of a valid class "B" California Motor Vehicle Operator's License with tanker endorsement is required. When driving a district vehicle, a valid California driver's license and evidence of appropriate automobile insurance based on DMV regulations may be requested.

Physical and Mental Standards:

- **Mobility:** ability to sit for long periods, move about an office, stand for long periods of time, reach above and below desk level.
- **Dexterity:** fine manipulation sufficient to operate a computer keyboard, perform electronic repairs with small tools, handle individual papers, write and take notes.
- **Lifting:** frequent lifting of equipment and material weighing up to 25 pounds; occasional lifting of items up to 50 pounds.
- **Visual Requirements:** close vision sufficient to read files, documents, and computer screens and do close-up work; ability to adjust focus frequently.
- **Hearing/Talking:** ability to hear normal speech, speak and hear on the telephone, and speak in person.
- **Emotional/Psychological Factors:** ability to make decisions and concentrate; frequent contact with others including some public contact; frequent deadlines and time-limited assignments.

Education and Experience:

Any combination of education, experience and/or training that would likely provide the above-required knowledge, skills and abilities is qualifying. Typical background patterns that would provide the knowledge, skills and abilities are:

- **Experience:** Two years of experience performing fire science simulator operational functions.
- **Education:** Equivalent to the completion of an Associate degree, including course work and training in fire science, supervision, or related field areas

Class Adopted:

Class Amended: 7/1/2022