

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 firefighting 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.

MINIMUM QUALIFICATIONS

To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The Education/Experience, 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.

Education and Experience:

- **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

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.

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.

Class Adopted:

Class Amended: 7/1/2022