

## **Engineering Technician**

### **Definition:**

Under direction, provides a skilled level of engineering support activities requiring the incumbent to have knowledge and experience in areas such as engineering, surveying, or architecture; and perform related work as required.

The Engineering Technician is distinguished from the Engineering Aide by its responsibility for performing paraprofessional engineering support activities.

### **Essential Functions:**

- Coordinates projects with engineers, architects and other related parties.
- Performs complex mathematical calculations.
- Performs complex inspections and testing.
- Provides direction and serves as a lead to lower level staff.
- Provides information to other departments, organizations, agencies, etc. on related projects and procedures.
- Conducts complex studies and surveys.
- Assists engineers or architects in researching and preparing project plans and specifications; review and check maps, plans and calculations for private engineers, surveyors or architects.
- Investigates and responds to complaints from the general public.
- Prepares a variety of technical reports, board letters, resolutions and ordinances.
- Assists with design and inspection of construction and maintenance projects.
- Conducts pre-design meetings and prepare plans and written specifications; coordinate work with involved parties; prepare related project documents.
- Create, scan, update, maintain and plot complex maps and subdivisions.
- Receives, reviews, and comments on construction plans received from private surveying and engineering companies.
- Oversees the work of survey crews.
- Performs engineering, or architectural computer aided drafting.
- Performs other duties of similar nature or level as required.

### **Employment Standards:**

Associate Degree in Architecture, Engineering, Surveying, Construction Management or directly related field.

OR

Two years of experience sufficient to obtain the knowledge and skills to successfully perform the essential duties of the job, such as an Engineering Aide.

OR

An equivalent combination of education and experience sufficient to obtain the knowledge and skills to successfully perform the essential duties of the job.

Possession of a valid California Motor Vehicle Driver's License.

**Knowledge of:** basic engineering principles; survey and inspection techniques; applicable codes, computer aided drafting techniques, laws and regulations; basic algebra, geometry and trigonometry; and common terms used in engineering, construction and architecture.

**Ability to:** coordinate work; conduct inspections; conduct testing and sampling; prepare maps and plans; obtain and collect data; perform basic engineering calculations; use computers and related software applications; maintaining files and records; and, communicate both orally and in writing sufficient to exchange or convey information and to receive work direction.

**Supplemental:**

A background check may be conducted for this classification.

All Kern County employees are designated "Disaster Service Workers" through state and local laws (CA Government Code Sec. 3100-3109 and Ordinance Code Title 2-Administration, Ch. 2.66 Emergency Services). As Disaster Service Workers, all County employees are expected to remain at work, or to report for work as soon as practicable, following a significant emergency or disaster.