



## **Associate Safety Engineer (Mining, Tunneling and Mineral Industries)**

**Exam Code: 0PBEF**

**Department:** Department of Industrial Relations

**Exam Type:** Departmental, Open

**Final Filing Date:** Continuous

### **CLASSIFICATION DETAILS**

**Associate Safety Engineer (Mining, Tunneling and Mineral Industries)** – \$8,757.00  
- \$10,955.00 per month.

View [the Associate Safety Engineer \(Mining, Tunneling and Mineral Industries\) classification specification](#)

### **APPLICATION INSTRUCTIONS**

Final Filing Date: Continuous

#### **Who Should Apply:**

Applicants who meet the minimum qualifications as stated on this bulletin may apply for and take this examination.

Once you have taken this examination, you may not retake it for **nine (9)** months.

#### **How To Apply:**

The link to connect to the Training and Experience Evaluation is located farther down on this bulletin in the “Taking the Exam” section. **Special Testing Arrangements:**

If you require assistance or alternative testing arrangements due to a disability, please contact the testing department listed in the Contact Information section of this bulletin.

### **MINIMUM QUALIFICATIONS**

All applicants must meet the education and/or experience requirements as stated on this exam bulletin to be accepted into the examination. Part-time or full-time jobs,

regardless of whether paid or volunteer positions, and inside or outside California state service will count toward experience.

**Associate Safety Engineer (Mining, Tunneling and Mineral Industries)**

**Either I**

Two years of experience performing the duties of the class of Assistant Safety Engineer in the California state service.

**Or II**

**Experience:**

**Either**

1. Two years of safety engineering experience in mining and tunneling work; **or**
2. Three years of professional mining and tunneling engineering experience. and Education: Equivalent to graduation from college with specialization in engineering. (Additional qualifying experience may be substituted for the required education on a year-for-year basis.)

**POSITION DESCRIPTION**

**Associate Safety Engineer (Mining, Tunneling and Mineral Industries)**

This is the professional journey level and incumbents work in either the Standards, Research and Development Unit, the Compliance Unit, or the CAL/OSHA Consultation Division. This level conducts safety surveys; investigates occupational safety and health complaints associated with mining and tunneling and other occupational safety and health-related disciplines; investigates accidents, determines the cause and the means of preventing their recurrences; reports on seriousness of violations and makes recommendations where possible prosecution is indicted to the Division's Bureau of Investigation; interprets safety orders and consults with employee organizations, employers and the public in the development of revisions to, or additions of safety orders. Conducts seminars and workshops for industry and consults with labor, management, employees and other governmental agencies on how compliance with safety orders can be achieved. Reviews new and existing standards, regulations, and directive for comparison with proposed State standards. Participates in the preparation of documents, materials, and exhibits used in Standards Board's hearings; and may participate as a technical advisor for the Standards Board at public hearings and meetings.

**EXAMINATION SCOPE**

This examination consists of the following components:

## **Training and Experience Evaluation – Weighted 100% of the final score.**

The examination will consist solely of a **Training and Experience Evaluation**. To obtain a position on the eligible list, a minimum score of 70% must be received.

Applicants will receive their score upon completion of the Training and Experience Evaluation process.

In addition to evaluating applicants' relative knowledge, skills, and ability, as demonstrated by quality and breadth of education and/or experience, emphasis in each exam component will be measuring competitively, relative job demands, each applicant's:

### **Knowledge of:**

1. General engineering principles and methods as well as those specifically applicable to mining and tunneling safety engineering
2. Principles and practices of safety engineering
3. Operations, methods, equipment and safety devices primarily applicable to the mining and tunneling industry
4. Safety orders of the Division of Industrial Safety applicable to the mining and tunneling discipline
5. Applicable provisions of the Labor Code
6. Accident prevention techniques
7. Sources of information on accident prevention work
8. Consultation techniques
9. How to develop and present evidence in legal hearings

### **Ability to:**

1. Do difficult safety investigation work
2. Detect unsafe conditions and practices
3. Promote and conduct safety campaigns
4. Interpret and apply the safety orders of the Division of Industrial Safety and applicable provisions of the Labor Code
5. Learn the basic principles and techniques of safety engineering in related Occupational Safety and Health disciplines
6. Analyze situations accurately and adopt an effective course of action
7. Address groups
8. Speak and write effectively
9. Prepare reports and dictate correspondence
10. Present evidence and act as the Division representative in legal hearings

## ELIGIBLE LIST INFORMATION

A departmental, open eligible list for the **Associate Safety Engineer (Mining, Tunneling and Mineral Industries)** classification will be established for:

### Department of Industrial Relations

The names of **successful** competitors will be merged onto the eligible list in order of final score regardless of exam date. Eligibility expires **twenty-four (24) months** after it is established. Applicants must then retake the examination to reestablish eligibility. Veterans' Preference will be granted for this examination. In accordance with Government Codes 18973.1 and 18973.5, whenever any veteran, or widow or widower of a veteran achieves a passing score on an open examination, he or she shall be ranked in the top rank of the resulting eligible list.

Veterans status is verified by the California Department of Human Resources (CalHR). Information on this program and [the Veterans' Preference Application](#) (Std. form 1093) is available online. Additional information on veteran benefits is available at the Department of Veterans Affairs.

## EXAMINATION INFORMATION

[Preview of the Associate Safety Engineer \(Mining, Tunneling and Mineral Industries\) Training and Experience Evaluation](#)

## PREPARING FOR THE EXAMINATION

Here is a list of suggested resources to have available prior to taking the exam.

**Employment History:** Employment dates, job titles, organization names and addresses, names of supervisors or persons who can verify your job responsibilities, and phone numbers of persons listed above.

## TAKING THE EXAMINATION

Take [the Associate Safety Engineer \(Mining, Tunneling and Mineral Industries\) examination.](#)

## TESTING DEPARTMENTS

Department of Industrial Relations

## CONTACT INFORMATION

If you have any **technical** questions concerning this examination bulletin, please contact:

California Department of Human Resources  
Attn: Examination Services

1515 S Street

Sacramento, CA 95811

Phone: 1-866-844-8671

California Relay Service: 1-800-735-2929 (TTY), 1-800-735-2922 (Voice)

If you have any administrative questions concerning this examination bulletin, including provision of reasonable accommodation for this testing process, please contact:

Department of Industrial Relations  
Human Resources – Examination Unit  
1515 Clay St., Suite 409 Oakland,  
CA 94612 [jobs@dir.ca.gov](mailto:jobs@dir.ca.gov) 1-  
800-5640771

TTY is a Telecommunications Device for the Deaf, and is reachable only from phones equipped with a TTY Device.

## **EQUAL OPPORTUNITY EMPLOYER**

The State of California is an equal opportunity employer to all, regardless of age, ancestry, color, disability (mental and physical), exercising the right of family care and medical leave, gender, gender expression, gender identity, genetic information, marital status, medical condition, military or veteran status, national origin, political affiliation, race, religious creed, sex (includes pregnancy, childbirth, breastfeeding, and related medical conditions), and sexual orientation.

## **DRUG-FREE STATEMENT**

It is an objective of the State of California to achieve a drug-free State workplace. Any applicant for State employment will be expected to behave in accordance with this objective, because the use of illegal drugs is inconsistent with the law of the State, the rules governing civil service, and the special trust placed in public servants.

## **GENERAL INFORMATION**

Examination and/or Employment Application (STD 678) forms are available at the California Department of Human Resources, local offices of the Employment Development Department, and through your [CalCareer Account](#).

If you meet the requirements stated on this examination bulletin, you may take this examination, which is competitive. Possession of the entrance requirements does not assure a place on the eligible list. Your performance in the examination described in this bulletin will be rated against a predetermined job-related rating, and all applicants who pass will be ranked according to their score.

The Department of Industrial Relations reserves the right to revise the examination plan to better meet the needs of the service, if the circumstances under which this examination was planned change. Such revision will be in accordance with civil service laws and rules and all applicants will be notified.

**General Qualifications:** Applicants must possess essential personal qualifications including integrity, initiative, dependability, good judgement, the ability to work cooperatively with others, and a state of health consistent with the ability to perform the assigned duties of the class. A medical examination may be required. In open examinations, investigation may be made of employment records and personal history and fingerprinting may be required.

**Eligible Lists:** Eligible lists established by competitive examination, regardless of date, must be used in the following order: 1) sub-divisional promotional, 2) departmental promotional, 3) multi-departmental promotional, 4) servicewide promotional, 5) departmental open, 6) open. When there are two lists of the same kind, the older must be used first. Eligible lists will expire in one to four years unless otherwise stated on the bulletin.

**High School Equivalence:** Equivalence to completion of the 12<sup>th</sup> grade may be demonstrated in any one of the following ways: 1) passing the General Education Development (GED) Test; 2) completion of 12 semester units of college-level work; 3) certification from the State Department of Education, a local school board, or high school authorities that the competitor is considered to have education equivalent to graduation from high school; or 4) for clerical and accounting classes, substitution of business college work in place of high school on a year-for-year basis.