



Seismological Instrument Technician 3

Exam Code: 8PB27

Department: Department of Conservation

Exam Type: Departmental, Open

Final Filing Date: Continuous

CLASSIFICATION DETAILS

Seismological Instrument Technician 3 – \$4,923.00 - \$6,165.00 per month

[View the Seismological Instrument Technician 3 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 **six (6) 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 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.

Seismological Instrument Technician 3

Either 1

Two years of experience in the California state service performing the duties of a Seismological Instrument Technician 2.

Or 2

Five years of experience in the operation, maintenance, and repair of industrial instrumentation, control mechanisms, or similar devices involving the [application of electronics and mechanical principles](#); at least two years of which shall have been in connection with analog and/or digital measuring and recording instruments. (A maximum of two years' education in engineering, physical science, electronics, or a closely related field in a recognized college, university, or trade school may be substituted for general experience on a year-for-year basis.)

POSITION DESCRIPTION

Seismological Instrument Technician 3

Incumbents at this level personally perform the most complex and difficult instrument work and act as team leader for a team of lower level technicians in the installation, adjustment, repair, and maintenance of the complex seismological measuring devices.

Typical tasks include assisting specialists in the development of new or improved service and operation techniques; scheduling projects; planning for supplies and equipment; making inspections to ensure adherence to operating standards; preparing reports and correspondence; and doing other duties as required.

EXAMINATION SCOPE

This examination consists of the following components:

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

The examination consists 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. Arithmetic, elementary principles of physical science, spelling, grammar, and punctuation
2. Basic electronic theory, mechanical and optical principles, and electrical practices
3. Repairing and maintaining electronic, mechanical, and optical measuring devices
4. Use of precise electronic test equipment used in servicing, adjusting, and repairing electronic and mechanical equipment
5. Elementary safety precautions used in working with electrical equipment
6. Principles underlying the construction and operation of electronic, optical, and mechanical measurement and recording instruments
7. The principles of electronics, mechanics, and physics
8. Principles of effective training
9. Principles of time schedule management

10. A manager's/supervisor's responsibility for promoting equal opportunity in hiring and employee development and promotion, and for maintaining a work environment that is free of discrimination and harassment

Ability to:

1. Apply mechanical principles
2. Learn rapidly
3. Follow directions
4. Communicate effectively with others
5. Use good work habits, be punctual and dependable
6. Interpret written material
7. Analyze written and numerical data accurately
8. Make satisfactory progress in a prescribed training program
9. Read and write at a level required for successful job performance
10. Read and interpret electronic, schematic and mechanical diagrams
11. Estimate the cost of repairs
12. Maintain simple records and make reports
13. Analyze situations accurately and adopt an effective course of action
14. Interpret recording charts and instruments allowing for calibration deviations and other variables
15. Operate test and measurement devices and recognize, trace, and correct malfunctions and sources of error
16. Work with hand tools and soldering equipment.
17. Make modifications to existing equipment
18. Assist in the design of new equipment
19. Assist in developing, operating, and servicing techniques
20. Provide functional guidance
21. Use tact and good judgment in dealing with others
22. Work independently
23. Coordinate the work of a small team
24. Effectively promote equal opportunity in employment and maintain a work environment that is free of discrimination and harassment

ELIGIBLE LIST INFORMATION

A departmental, open eligible list for the **Seismological Instrument Technician 3** classification will be established for:

Department of Conservation

The names of **successful** competitors will be merged onto the eligible list in order of final score regardless of exam date. Eligibility expires **twelve (12) 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 Seismological Instrument Technician 3 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.

Education: School names and addresses, degrees earned, dates attended, courses taken (verifiable on a transcript), persons or office who can verify education, and phone numbers of persons or offices listed above.

Training: Class titles, certifications received, names of persons who can verify your training, and phone numbers of persons listed above.

TAKING THE EXAMINATION

We recommend using Chrome, Firefox, or Edge for optimal performance when accessing the examination.

[Take the Seismological Instrument Technician 3 examination](#)

TESTING DEPARTMENTS

Department of Conservation

CONTACT INFORMATION

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

Department of Conservation
Phone: 916-322-7685

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)

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

EQUAL OPPORTUNITY EMPLOYER

Bulletin Date: 12/15/2023

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 work place. 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 Conservation 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 12th 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.