



# CALIFORNIA DEPARTMENT OF PUBLIC HEALTH

## **JUNIOR HEALTH PHYSICIST**

**Schematic Code: HX38 Classification Code: 3781 Exam Code: 2H1AA**

### **Examination Type: Open Continuous**

#### **FINAL FILING DATES**

Testing is considered continuous as dates can be set at any time. Applications will be reviewed to ensure the minimum requirements for participation in this exam are met. Possession of the entrance requirements does not assure a place on the eligible list. Once you have taken the examination, you may not retest for 12 months from the established list date.

Applications must be submitted by the filing dates indicated below. Applications postmarked, personally delivered, or received via interoffice mail after the final filing date, will be held for the next administration of the exam.

#### **The filing dates are:**

**January 31, 2024**

**June 14, 2024**

#### **SALARY**

**\$5,125 - \$6,282 per month**

#### **EQUAL EMPLOYMENT OPPORTUNITY**

The State of California is an equal opportunity employer to all, regardless of age, ancestry, color, disability (mental and physical), exercising the right to 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.

#### **WHO CAN APPLY**

Persons who meet the minimum qualifications as stated on this announcement may take this competitive examination.

## MINIMUM QUALIFICATIONS

Possession of a Bachelor's Degree in Radiologic Health, Radiologic Science, Health Physics, Engineering, Mathematics, Physical Science, Life Science or a closely related science. (Registered seniors will be admitted to the examination, but must provide proof of graduation prior to appointment.)

## GENERAL QUALIFICATIONS

All candidates for, appointees to, and employees in the state civil service shall possess the general qualifications of integrity, honesty, sobriety, dependability, industry, thoroughness, accuracy, good judgment, initiative, resourcefulness, courtesy, ability to work cooperatively with others, willingness and ability to assume the responsibilities and to conform to the conditions of work characteristic of the employment, and a state of health consistent with the ability to perform the assigned duties of the class.

## POSITION DESCRIPTION

### TYPICAL TASKS

This is the trainee level in the Health Physicist series. Incumbents, under close supervision, learn and apply principles, practices, and techniques of health physics; assist with progressively more difficult and responsible tasks in licensing of facilities, compliance inspections, accident prevention, and staff work in support of these activities; prepare for advancement by on-the-job training and, where appropriate, academic education; and do other related work. Positions in this class are not supervisory.

## HOW TO APPLY

To apply for this examination, please complete and return the following:

### **STANDARD STATE APPLICATION (FORM 678)**

### **COPY OF UNOFFICIAL/OFFICIAL COLLEGE TRANSCRIPTS**

Due to COVID-19, we have limited staff working in the office. Therefore, the preferred method of application submittal at this time is via email to [CDPHEExamUnit@cdph.ca.gov](mailto:CDPHEExamUnit@cdph.ca.gov). Mailed and dropped off applications will still be accepted but may have delays in processing.

Applications and any additional documents must be submitted via the U.S. Postal Service or hand delivered to the Department of Public Health Human Resources Office (hours are 8:00 AM to 5:00 PM). Submit ([California State Application STD 678](#)) and any additional documents to:

Via Email:

[CDPHEExamUnit@cdph.ca.gov](mailto:CDPHEExamUnit@cdph.ca.gov)

Submit via mail to:

DEPARTMENT OF PUBLIC HEALTH

Attn: Examination Services Unit

P.O. Box 997378 MS 1700 – 1702

Sacramento, CA 95899-7378

Drop Off:  
DEPARTMENT OF PUBLIC HEALTH  
Attn: Examination Services Unit  
1615 Capitol Avenue  
Sacramento, CA 95814

**DO NOT SUBMIT APPLICATIONS**  
**TO THE CALIFORNIA DEPARTMENT OF HUMAN RESOURCES (CalHR)**  
**THROUGH EMAIL, FAX, OR INTER-AGENCY MAIL**

## **CONTACT INFORMATION**

All questions regarding this examination (including the minimum qualifications, applying for the examination, being scheduled for the examination, reasonable accommodations, the examination components, scoring, etc.) may be directed to the contact information below:

**EMAIL:** [CDPHEExamUnit@cdph.ca.gov](mailto:CDPHEExamUnit@cdph.ca.gov)

## **EXAMINATION INFORMATION**

The examination will consist of a Qualifications Assessment and is the sole component of the Junior Health Physicist examination. To obtain a position on the eligible list, a minimum score of 70% must be received. The Qualifications Assessment is designed to elicit specific information regarding each candidate's education, training, and experience relative to the testing classification. Responses to the questionnaire will be assessed based on pre-determined rating criteria. **The Qualifications Assessment package will be emailed to the applicant in the form of a survey. Please monitor your email account's SPAM, Junk, Bulk, etc. Folder (s) as the examination email may be filtered depending on your specific account settings.**

The Department of Public Health 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 law and rules and all competitors will be notified.

## **WRITTEN SCOPE:**

1. Advanced Math.
2. Theory and Principles of Physical Science and Engineering.
3. Analysis and Reading Comprehension.

## **REQUIREMENTS FOR ADMITTANCE TO THE EXAMINATION**

It is your responsibility to make sure you meet the education and/or experience requirements stated on this announcement on the date you submit your application. Your signature on your application indicates that you have read, understood, and possess the basic qualifications required.

NOTE: Applications must include "to" and "from" dates (month/day/year), time base, job titles and/or civil service class title(s), and range (if applicable) for all work experience. College course Information must include title, number of semester or quarter units, name of institution, completion

dates, and degree. Applications received without this information will be rejected. Applicants must submit a copy of either official or unofficial transcripts along with the application when using education to meet the entrance requirements for this examination.

**SCOPE OF EXAMINATION:** Ratings will be determined based on the depth and breadth of professional education and experience beyond what is minimally required. Emphasis will be placed on measuring:

**Knowledge of:**

1. Anatomy, physiology, clinical oncology, radiobiology, radiation physics, and radiation safety to effectively carry out daily duties.
2. Radiation safety principles and practices as well as current rules and regulations of the Nuclear Regulatory Commission and other regulatory agencies.
3. California radiation control laws and regulations, radiation standards set by the Nuclear Regulatory Commission, the Environmental Protection Agency, and the National Council on Radiation Protection and Measurement.
4. Basic research techniques to effectively and accurately conduct radiation safety and compliance inspections.
5. Theory and principles of physical science and engineering to effectively carry out daily duties.
6. Basic report writing to effectively and accurately conduct radiation safety and compliance inspections.
7. Theory and applied science design of shielding for protection against radiation.
8. Theory and practice of health physics and radiation protection to protect the public, radiation workers, and the environment.
9. California Health and Safety Codes, California Code of Regulations, and Federal Regulations pertaining to X-ray machines and the users of these.
10. Radiation dosimetry and the theory and design of instruments and methods used to measure radiation.
11. Use, transport, and care for equipment necessary to support radiological investigations.
12. Biological effects of ionizing radiation to determine the harmful effects as a result of exposure.
13. Various parameters entering into evaluation of radiological hazards involved in medical, dental, industrial, and laboratory work, and the use of radiation machines and radioactive materials.
14. Theory and principles of physical science and engineering.

**Skills to:**

1. Communication and facilitate the exchange of information with patients, family members, and the radiation oncology treatment team as well as outside entities.
2. Use logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to problems
3. Maintain detailed workbooks/documentation and ensure all documentation fulfills generally accepted professional/industry standards.
4. Perform mathematical calculations in order to accomplish certain job-related tasks.
5. Utilize a personal computer and software programs to conduct daily work (e.g., Microsoft Word, Excel, and Outlook).
6. Communicate effectively in verbal and written form.
7. Analyze radiation program elements to support radiological investigations.
8. Identify project resources and deadlines in order to prioritize work assignments, establish timelines for completion, and to assure that project goals are met.

**Ability to:**

1. Read and comprehend written instructions, correspondence, memorandums and medical

records.

2. Analyze situations accurately, derive recommendations, and take effective action.
3. Effectively and accurately communicate both orally and in writing, with staff, management, the public, and others to provide information and direction.
4. Prepare clear and concise reports regarding radiological investigations.
5. Learn and understand a broad range of technical data and applying it to individual cases.
6. Perform mathematical calculations in order to accomplish certain job-related tasks.
7. Use, transport, and care for equipment necessary to support radiological investigations.
8. Gather and understand scientific data related to ionizing radiation.
9. Apply ethical standards where necessary pertaining to patients, personnel, and/or facilities.
10. Establish and maintain cooperative relationships with staff, management, and others in the course of the work.
11. Properly use radiation detection and other equipment necessary to the assigned duties.

## **ELIGIBLE LIST INFORMATION**

Possession of the entrance requirement does not assure a place on the eligible list. In order to obtain a position on the eligible list, a minimum rating of 70% must be attained. Names of successful competitors are merged into the open eligible list established for use by the Department of Public Health in order of final scores regardless of testing date. Eligibility expires **12** months after it is established unless the needs of the service and conditions of the list warrant a change in this period.

## **VETERAN'S PREFERENCE**

Pursuant to Government Code Section 18973.1, Veteran's Preference will be awarded in this examination as follows: 1) Any veteran, widow or widower of a veteran, or spouse of a 100 percent disabled veteran, who achieves a passing score in an entrance examination, shall be ranked in the top rank of the resulting eligibility list. Any veteran who has been dishonorably discharged or released is not eligible for veterans' preference; 2) An entrance examination is defined, under the law, as any open competitive examination; 3) Veterans' Preference is not granted once a person achieves permanent civil service status.

## **HOW TO APPLY FOR VETERANS' PREFERENCE**

The [California State Jobs' website](http://www.jobs.ca.gov) ([www.jobs.ca.gov](http://www.jobs.ca.gov)) has information on how to apply for Veterans' Preference on their website and on the [Application for Veterans' Preference form \(CalHR 1093\)](https://jobs.ca.gov/PDF/SPB1093.pdf) (<https://jobs.ca.gov/PDF/SPB1093.pdf>). Additional information is also available at the [Department of Veterans Affairs website](http://www.cdva.ca.gov) (<http://www.cdva.ca.gov>).

TDD is Telecommunications Device for the Deaf and is reachable only from phones equipped with a TDD device.

The California Relay (Telephone) Service for the deaf or hearing impaired:

MCI from TDD: 1-800-735-2929 MCI from voice telephone: 1-800-735-2922

Sprint from TDD: 1-888-877-5378 Sprint from voice telephone: 1-888-877-5379

## CONDITONS OF EMPLOYMENT (631)

### Examination Title: Junior Health Physicist

Name: \_\_\_\_\_ (Print: first, middle initial, last)

Final Filing Dates:

**January 31, 2024**

**June 14, 2024**

If you are successful in your examination your name will be placed on the active employment list and certified to fill vacancies according to the conditions you specify on this form. If you are unwilling to accept work or do not reply promptly to communications your name will be placed on the inactive list.

Locations in which you are willing to work:

Please check your choices - you will not be offered a job in locations not checked.

Contra Costa County (0700) \_\_\_\_\_

Sacramento County (3400) \_\_\_\_\_

Orange County (3000) \_\_\_\_\_

### TYPE OF EMPLOYMENT DESIRED:

#### ON A PERMANENT BASIS, I AM WILLING TO WORK:

- ☐ Full Time
- ☐ Part Time (regular hours less than 40)
- ☐ Intermittent (on call)
- ☐ Limited Term

#### ON A TEMPORARY BASIS, I AM WILLING TO WORK:

- ☐ Full Time
- ☐ Part Time (regular hours less than 40)
- ☐ Intermittent (on call)
- ☐ Limited Term

It is your responsibility to notify the Department of Public Health, Examination Services Unit, of any changes in your address or availability for employment. All correspondence must include your name, examination title, and identification number.

Signature: \_\_\_\_\_ Date: \_\_\_\_\_