



# **Environmental Health Science (EHS)** **at** **CSU San Bernardino**

**Department of Health Science & Human Ecology**

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# Environmental Health

A branch of public health that focuses on the preservation of natural resources and improvement of various environmental factors such as the quality of air, water, food, land, housing and other biological, chemical and physical elements that impact the health and safety of the community.



# Who is an Environmental Health Specialist (EHS)?

Environmental health specialists educate and consult clients and enforce regulations governing the vector control, noise and radiation pollution, sanitation of food, milk, and water, hazardous and Infectious waste, sewage, institutional environments and health hazards.



# What are subfields of EHS?

Air Pollution

Water Hygiene

Food Sanitation

Milk and Dairy Quality

Solid & Hazardous Materials

Vector Control

Housing

Institutional Health

Recreational Health

Medical Wastes

Land Use

Radiation

Occupational Health and Safety

Noise Pollution

Bioterrorism

Community Health Education

A photograph of an industrial facility, likely a refinery or chemical plant, silhouetted against a dramatic sunset sky. The sky is filled with orange and yellow clouds, and several tall smokestacks are visible, some emitting dark plumes of smoke. The foreground is dark, showing the silhouettes of trees and possibly a fence.

# Air Quality Management

- Air quality surveillance
- Facility inspection
- Facility permitting
- Emissions regulation: industry & transportation
- Public education



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## Water Quality Management

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- Water sampling
- Well inspection
- Wastewater
- Percolation test
- Disease investigation



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# Food Sanitation

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- Permitted facility inspections
- Disease investigations
- Health education
- Plan checks



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## Milk & Dairy Quality

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- Facility sanitation
- Milk sampling





## Hazardous Material Management

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- Facility inspections
- Emergency response
- Underground storage tanks installation
- Household waste collection
- Biomedical waste





## Vector-Borne Disease Control

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- Disease surveillance
- Vector control
- Permitted facility inspections (animal establishments, poultry, horses, etc.)
- Public education



**Housing + Health:**

Building Blocks of Equity and Opportunity

## Housing & Institutional Health

- Inspections: dwelling, organized camps, mobile home parks
- Code enforcement
- Institutional sanitation: schools, hospitals



## Recreational Health

- Beach sanitation
- Community swimming pool inspections
- Ski area inspection
- Playground safety



# Recreation

## Resources for Health





## Solid Waste Management

- Sanitary landfills
- Sludge disposal
- Waste tire facility inspections
- Local enforcement agency (LEA)



# Building & Land Use Enforcement



## Land use & Code Enforcement

- Zoning violations
- Agricultural, Commercial , Industrial, Residential
- Code enforcement: Trash, Junk, General sanitation

# WORK SAFETY



**Occupational  
Health & Safety**



- Facility inspections
- Workplace safety
- Area sampling & testing
- Risk assessment

# What is REHS?

It is an acronym for:

Registered Environmental Health Specialist

- In order to earn the REHS title, REHS Exam should be taken.
- This exam is administered by the Environmental Management Branch of California Department of Public Health (CDPH) and held three times a year.
- For further info, please visit:

<https://www.cdph.ca.gov/Programs/CEH/DRSEM/Pages/EMB/REHS/REHS.aspx>

REGISTERED ENVIRONMENTAL HEALTH SPECIALIST/ REGISTERED SANITARIAN

# REHS/RS





# How to Become an REHS?



**California State University, San Bernardino, offers:**

Bachelor of Science in Environmental Health Science (BSEH)

- CSUSB Environmental Health program is accredited by CDPH and nationally by EHAC.
  - Graduates of this program can directly go for the REHS exam.
  - Being an REHS, well-paid jobs are just one step from you!

*For more than 30 years, this Program has produced quality graduates, placed in stable positions in the environmental health discipline throughout Southern California*





## What jobs you may get by being a REHS?

- The EHS Program at CSU San Bernardino is a great path for students who want to get a well-paid full time stable job right after graduation.
- You have many choices to work for the City, County, state, Federal government, Military, US Public Health Service, US Aid and the private sector (insurance companies and retail stores) as an Environmental Health Specialist (EHS).



# EHS Job Market

## Job opportunities exist in:

- City, County, and State environmental health agencies
- Federal agencies, such as: EPA, FDA and CDC
- US Public Health Service
- Military (Air Force, Army, Navy and Coastal Guard)
- US Aid
- Special Districts (air quality management, vector control, water, conservation, schools)
- Private sector (hospitals, environmental groups, retail giants, chain restaurants and insurance companies)

**All these jobs require graduation from nationally accredited programs.**

**EHS program at CSUSB is fully accredited.**

# Job Outlook for Environmental Health Graduates

The EH workforce is aging, presenting recruitment needs

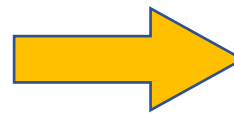
1 in 4 EH professionals is over 55 years of age.

1 in 4 EH professionals plans to retire within 5 years.



State and local governmental health departments need an 80% increase in their workforce to provide a minimum set of public health services to the nation (2021 de Beaumont/phnci study).

There is a current need for 9,500 new Environmental Health full time employees!



	Local	State	Total
<b>Infrastructure</b>			
Assessment	4,500	4,500	9,000
All Hazards	3,000	2,000	5,000
Other Foundational Capabilities	17,500	8,000	25,500
<b>Foundational Areas</b>			
Chronic Disease and Injury	8,000	5,000	13,000
Communicable Disease	4,500	1,500	6,000
<b>Environmental Health</b>	<b>7,500</b>	<b>2,000</b>	<b>9,500</b>
Maternal and Child Health	5,500	1,000	6,500
Access/Linkage to Care	3,500	1,000	4,500
<b>Total</b>	<b>54,000</b>	<b>26,000</b>	<b>80,000</b>

## Federal Agencies with Jobs for EHS

- Environmental Protection Agency (EPA)
- Food & Drug Administration (FDA)
- Center for Disease Control and Protection (CDC)



# State Agencies with Jobs for EHS- 1

- **California Department of Public Health (CDPH)**

<https://www.cdph.ca.gov/>



- **California Environmental Protection Agency**

<https://calepa.ca.gov/>



- **California Department of Water Resources (DWR)**

<https://water.ca.gov/>



- **California Department of Toxic Substances Control (DTSC)**

<https://dtsc.ca.gov/>





## State Agencies with Jobs for EHS- 2

\* **California Department of Conservation**

<https://www.conservation.ca.gov/>



California  
**Department of  
Conservation**

\* **California Air Resources Board (CARB)**

<https://ww2.arb.ca.gov/>



\* **California Department of Pesticide Regulation**

<https://www.cdpr.ca.gov/>



## State Agencies with Jobs for EHS- 3

- **California Natural Resources Agency**

<https://resources.ca.gov/>



- **California Department of Fish and Wildlife**

<https://wildlife.ca.gov/>



- **California Department of Forestry and Fire Protection**

<https://www.fire.ca.gov/>



- **California Department of Parks and Recreation**

<https://www.parks.ca.gov/>



# Salary of Entry-level jobs for Environmental Health Specialist

## Orange County

Salary range: **\$68,000 to \$89,000**



## Riverside County

Salary range: **\$67,000 to \$80,000**



## San Bernardino County

Salary range: **\$50,000 to \$72,000**



## San Diego County

Salary range: **\$65,000 to \$80,000**



# Where to find EHS jobs?

To find EHS job announcements, you can visit the following websites:

- **For Federal positions, such as EPA, USDA, FDA, CDC and military positions:**

[www.usajobs.gov](http://www.usajobs.gov)

- **For CA state jobs:**

<https://www.calcareers.ca.gov/>

<https://www.caljobs.ca.gov/vosnet/Default.aspx>

- **For City and County jobs:**

<https://www.governmentjobs.com/>