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## Environmental Health Specialist Minor: 35 units

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Offered by: Cal Poly Pomona, University Interdisciplinary Programs

- Minor Required
- Minor Electives

The minor provides majors in Biological Sciences, Plant Science, Food Science and Technology, and other majors with courses which prepare students for careers in the California Department of Health Services as Environmental Health Specialists. Increasing awareness of pollution and other health-related environmental problems has led to a demand for specialists to enforce and administer laws governing water, food, and air contamination, noise, land use planning, occupational health hazards, and animal vectors of disease. Many job opportunities exist in California for individuals trained as Environmental Health Specialists according to the California Department of Health Services.

The California Health and Safety Code outlines the standards for admission to the state internship program to become a registered specialist. The minimum educational qualifications are possession of a bachelor's degree from an approved institution with a minimum of 35 units of basic science. The basic science requirement would be met by most students in Biological Sciences and in Agriculture. Students interested in more information may contact Dr. Valerie Mellano (Plant Science Department), or Dr. John Chan (Biological Sciences Department).

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### Minor Required: 25 units

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- BIO 1150 - Basic Biology (3) and
- BIO 1150L - Basic Biology Laboratory (1)  
OR
- BIO 1220 - Foundations of Biology: Evolution, Ecology, and Biodiversity (3) and
- BIO 1220L - Foundations of Biology: Evolution, Ecology, and Biodiversity Laboratory (1)
  
- BIO 2060 - Basic Microbiology (3)
- BIO 2060L - Basic Microbiology Laboratory (1)
- BIO 3600 - General Epidemiology (3)
  
- BIO 4800 - Entomology (2) and
- BIO 4800L - Entomology Laboratory (2)  
OR
- PLT 2330 - Introduction to Arthropods (2) and
- PLT 2330L - Introduction to Arthropods Laboratory (1)
  
- CHM 1210 - General Chemistry I (3)
- CHM 1210L - General Chemistry Laboratory I (1)
- CHM 1220 - General Chemistry II (3)
- CHM 1220L - General Chemistry Laboratory II (1)
- PLS 2060 - Introduction to Public Administration (3)

# Minor Electives: 10 units

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## Select 4 Units

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- BIO 3620 - Applied Microbiology (2) and
- BIO 3620L - Applied Microbiology Laboratory (1)
  
- BIO 3640 - Food Microbiology (2) and
- BIO 3640L - Food Microbiology Laboratory (1)
  
- BIO 4080 - Water Pollution Biology (3)
  
- BIO 4635 - Medical Microbiology (3) and
- BIO 4635L - Medical Microbiology Laboratory (1)
  
- BIO 4670 - General Virology (3) and
- BIO 4670L - General Virology Laboratory (1)
  
- CHM 4600 - Air Pollution Problems (2)
- STA 1300 - Biostatistics (3)

## Select 6 Units

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- FST 3220 - Food Laws and Regulations (3)
  - FST 3250 - Food Safety and Current Issues (3)
  - FST 4170 - Unit Operations in Food Processing I (2)
  
  - FST 4300 - Principles of Hazard Analysis and Critical Control Point System (2) and
  - FST 4300A - Principles of Hazard Analysis and Critical Control Point System Activity (1)
  
  - PLT 3030 - Pesticide Laws and Regulations (2)
  - PLT 4110 - Environmental Toxicology (3)
  - PLT 4400 - Integrated Pest Management (3)
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