

**PUBLIC HEALTH SCIENCE  
B.S. DEGREE REQUIREMENTS  
2008-2009**



SCHOOL OF SOCIAL ECOLOGY  
OFFICE OF STUDENT SERVICES

**I. LOWER DIVISION REQUIREMENTS**

Public Health 1 and 2 (Same as Environ E7 and E9)

Chemistry 1A, 1B and LB, 1C and LC (General Chemistry)

Chemistry 51A and LA, 51B and LB, 51C (Organic Chemistry)

Biological Sciences 93, 94, 97, 98, 99

Math 2A and 2B and either Math 7 (same as Stats 7) or Stats 8 (formerly BioSci 7)

Three (3) Social and Behavioral Science courses, with at least two in the same area:

- Psychology: PsyBeh P9 (same as Psych 7A), Psych 9A, 9B, 9C (same as PsyBeh 11A, 11B, 11C)  
NOTE: No credit is given for P9 or Psych 7A if taken concurrently with or after P11A, P11B, or P11C.
- Sociology: Sociol 1, Sociol 2, Sociol 3
- Economics: Econ 1, Econ 13, Econ 20A, 20B,
- Anthropology: Anthro 2A, Anthro 2B, Anthro 2C
- Political Science: PoliSci 6C, PoliSci 31A, PoliSci 51A
- Environmental Analysis and Design: Environ E8

**II. UPPER DIVISION REQUIREMENTS:**

Public Health 101A and 101B (Epidemiology I and II, same as Environ 177A and 177B)\*\*

Two (2) Biological Sciences from: BioSci D103, D104, E109, N110

Four (4) additional upper division courses from two topic areas with at least one course in either topic area:

- **Epidemiology and Genetics:**  
Biological Sciences: D137, D148\*, D153\*, D187\*, E106, M123\*, M137  
Psychology & Social Behavior: 139H  
Public Health 102-119, 146
- **Environmental and Global Health Sciences:**  
Anthropology: 125B  
Biological Sciences E189, 191A-B\*, 191C\*  
Chemistry: 125  
Environmental Analysis & Design: E127, E160, E160L, E164, E164L, E168, E186, E191B,  
Earth Systems Science: 112\*  
Psychology & Social Behavior: P142H  
Public Health 160-179
- **Infectious Diseases:**  
Biological Sciences 100L\*, E124\*, E136\*, E176\*, D143\*, M114\*, M114L\*, M116\*, M116L\*, M121\*, M121L\*,  
M122\*, M122L\*, M124A-B\*, M125\*, M137\*  
Public Health 180-189 *Public Health 100 may also be taken to fulfill upper division coursework.*

**Practicum Requirement:** Public Health 195W (Public Health Practicum) – 8 units, taken for UD writing credit.

**III. UNIVERSITY REQUIREMENTS**

- 180 quarter units required for the Bachelor of Science degree (**no unit waivers for graduation**)
- UCI General Education/ or Breadth Requirements must be fulfilled.
- **Entry Level Writing Requirement, American History, and American Institutions requirements must be completed.**

\* Pre-requisite or co-requisites required. Check UCI General Catalog for the pre-requisite courses. \*\* Public Health 1 and 2 are pre-requisites.  
All courses taken to fulfill **school and major requirements must be taken for a letter grade** unless the class is only offered P/NP. Certification for the BS degree in Public Health Science is dependent upon an overall 2.0 grade point average as well as a 2.0 in the major which includes lower and upper division courses.

**NOTE:** Students may not double major in Public Health Sciences, and any of the School of Biological Sciences majors or minors.

**NOTE:** STUDENTS MUST APPLY FOR GRADUATION BY THE DEADLINES SPECIFIED ON THE SOCIAL ECOLOGY STUDENT SERVICES WEBSITE AT <http://www.seweb.uci.edu/students/undergrad> IT IS THE STUDENT'S RESPONSIBILITY TO BE AWARE OF THESE DEADLINES WHICH ARE POSTED ON THE WEBSITE. LATE APPLICATIONS WILL NOT BE ACCEPTED. APPLY ON THE REGISTRAR'S WEBSITE <http://www.reg.uci.edu>

## Lower Division Requirements

PubHlth 1 Principles of Public Health  
PubHlth 2 Case Studies in Public Health Practice

Chem 1A, 1B and LB, 1C and LC General Chemistry  
Chem 51A and LA, 51B and LB, 51C Organic Chemistry  
BioSci 93 From DNA to Organisms  
BioSci 94 From Organisms to Ecosystems  
BioSci 97 Genetics  
BioSci 98 Biochemistry  
BioSci 99 Molecular Biology  
Math 2A-2B Single-Variable Calculus  
Math 7 Basic Statistics or BioSci 7 Biostatistics  
PsyBeh P9 Introduction to Human Behavior  
Psych 7A Introduction to Psychology  
Psych 9A, 9B, 9C Psychological Fundamentals (same as  
PsyBeh 11A, 11B, 11C)

## Upper Division Requirements

PubHlth 100 Special Topics in Public Health  
PubHlth 101A Epidemiology I (same as P128H & E 177A)  
PubHlth 101B Epidemiology II (same as P 129H & E 177B)  
BioSci D103 Cell Biology  
BioSci D104 Developmental Biology  
BioSci E109 Human Physiology  
BioSci N110 Neurobiology and Behavior

### Epidemiology and Genetics

BioSci D137 Eukaryotic and Human Genetics  
BioSci D148 Development and Disease  
BioSci D153 Molecular and Cellular Basics of Disease  
BioSci D187 Developmental Genetics  
BioSci E106 Processes in Ecology and Evolution  
BioSci M123 Introduction to Computational Biology  
BioSci M137 Microbial Genetics  
PsyBeh P139H Community Health: An Epidemiological  
Approach  
PubHlth 100 Special Topics in Public Health  
PubHlth 102 Social Epidemiology  
PubHlth 103 Introduction to Genetic Epidemiology  
PubHlth 119 Special Topics in Epidemiology and Genetics  
PubHlth 146

### Environmental and Global Health Sciences

Anthro 125B Ecological Anthropology  
BioSci E189 Environmental Ethics  
BioSci 191A-B Senior Seminar Global Sustainability (same as  
Earthss 190A-B, & SE 186A-B)  
BioSci 191C Writing/Senior Seminar Global Sustainability  
(same as Earthss 190C & SE 186C)  
Chem 125 Advanced Organic Chemistry  
Environ E127 Nuclear Environments (same as Intl St 122)  
Environ E160 Environmental Health  
Microbiology of Water & Waste  
Environ E160L Environmental Health  
Microbiology of Water & Waste Lab  
Environ 164 Toxins in the Environment (same as P142H)  
Environ 164L Toxins in the Environment Lab  
Environ E168 Coastal Ecosystem Health  
Environ E186 Impacts on Human Health and Disease  
Environ E191B Bioindicators of Environmental Pollution  
Earthss ESS112 Global Climate Change and Impacts  
PsyBeh P142H The Human Pain Experience  
PubHlth 160 Environmental Pollution and Remediation

Sociol 1 Introduction to Sociology  
Sociol 2 International Sociology  
Sociol 3 Introduction to Social Problems  
Econ 1 Introduction to Economics  
Econ 20A, 20B Basic Economics  
Econ 13 Global Economy (same as Intl St 13)  
Anthro 2A Introduction to Sociocultural Anthropology  
Anthro 2B Introduction to Biological Anthropology  
Anthro 2C Introduction to Archaeology  
PoliSci 6C Introduction to Political Science: Micropolitics  
PoliSci 31A Introduction to Political Theory  
PoliSci 51A Introduction to Comparative Politics  
Environ 8 Intro to Environmental Analysis & Design

PubHlth 161 Environmental Geology  
PubHlth 163 Introduction to Environmental Health Science  
PubHlth 164 Toxic Chemicals in the Environment  
PubHlth 164L Toxic Chemicals in the Environment Lab  
PubHlth 165 Issues in Potable Water Reuse  
PubHlth 167 Air Pollution, Climate and Health  
PubHlth173 Health & Global Environmental Change  
PubHlth179 Special Topics in Environmental & Global Health  
Science

### Infectious Diseases

BioSci 100L Experimental Biology Laboratory  
BioSci E124 Infectious Disease Dynamics  
BioSci E136 The Physiology of Human Nutrition  
BioSci E176 Coevolution of Hosts and Parasites  
BioSci D143 Human Parasitology  
BioSci M114 Advanced Biochemistry  
BioSci M114L Advanced Biochemistry Lab  
BioSci M116 Advanced Molecular Biology  
BioSci M116L Advanced Molecular Biology Lab  
BioSci M121 Immunology with Hematology  
BioSci M121L Immunology with Hematology Lab  
BioSci M122 General Microbiology  
BioSci M122L General Microbiology  
BioSci M124A Virology  
BioSci M124B Viropathogenesis and Immunity  
BioSci M125 Molecular Biology of Cancer  
BioSci M137 Microbial Genetics  
PubHlth 189 Special Topics in Infectious Diseases  
PubHlth 195W Practicum: Public Health