PUBLIC HEALTH SCIENCES
B.S. Degree Requirements
2010-2011

I. MAJOR REQUIREMENTS

A. LOWER DIVISION REQUIREMENTS
Public Health 1 and 2
Chemistry 1A-B-C and 1LB-LC, 51A-B-C and 51LA-LB
Biological Sciences 93, 94, 97, 98, 99
Mathematics 2A-B plus Mathematics 7, or Statistics 7, or Statistics 8
Three (3) Social and Behavioral Science courses, with at least two in the same area:
- Psychology: PsyBeh 9 (same as Psych 7A), Psych 9A, 9B, 9C (same as PsyBeh 11A, 11B,11C)
- 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
- Social Ecology: Socecol E8

B. UPPER DIVISION REQUIREMENTS
Public Health 101 (formerly 101A)
Two courses from: Biological Sciences: D103, D104, E109, N110

Five additional upper-division (UD) courses chosen from ONLY two topic areas with at least one course in either topic area (Each course must be 4 units):
- Public Health 100 may fulfill a specific UD topic area. Please consult with a Public Health Student Counselor.

  Epidemiology and Genetics
  Biological Sciences D137, D148, D153, [D187], E106, M123, M137
  Public Health: 102, 104, 119. (102 – 119)

  Environmental and Global Health Sciences
  Anthropology: 125B, 128B
  Biological Sciences: E189, 191A + 191B, 191C
  Chemistry: 125
  Environmental Health, Science & Policy: E127
  Earth System Science: 112
  Public Health: 160, 161, 162, 163, 165, 166, 167, 168, 179 (160 – 189)

  Infectious Diseases
  Public Health: 189 (180-189)
  Biological Sciences: E124, E136, E176, M114, M114L, M116, M116L, M118L, M121, M121L,
  M122, M122L, M124A, M124B, M125, M137, M143 (formerly D143)

C. PRACTICUM REQUIREMENT
Public Health 195W (Public Health Practicum - 8 units), taken for upper-division writing requirement.

II. UNIVERSITY REQUIREMENTS
- 180 quarter units and General Education Requirements must be fulfilled for the Bachelor of Arts degree.
- Entry Level Writing Requirement, American History, and American Institutions requirements must be completed.
- Freshman students: Public Health Degree must be completed in five years.
- Transfer students (Junior Status): Public Health Degree must be completed in three years
- All courses taken to fulfill 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 and a 2.5 in PH major, which includes lower and upper division courses.

*NOTE: Some courses may have prerequisite or co-requisites. Check UCI General Catalog for the pre-requisite courses.
[ ] Course is no longer offered
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
Math 8 Biostatistics (formerly Biological Sciences 7)
PsyBeh 9 Introduction to Psychology (same as Psych 7A)
PsyCh 9A, 9B, 9C Psychological Fundamentals (same as PsyBeh 11A, 11B, 11C)
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

Upper Division Requirements

PubHlth 101 Introduction to Epidemiology (same as E 177A, formerly PubHlth 101A)
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 (no longer offered)
BioSci E106 Processes in Ecology and Evolution
BioSci M123 Introduction to Computational Biology
BioSci M137 Microbial Genetics

PubHlth 100 Special Topics in Public Health
PubHlth 102 Social Epidemiology
PubHlth 103 Introduction to Genetic Epidemiology
PubHlth 104 Analytic & Applied Epidemiology (same as E 177B, formerly PubHlth 101B)
PubHlth 119 Special Topics in Epidemiology and Genetics

ENVIRONMENTAL AND GLOBAL HEALTH SCIENCES
Anthro 125B Ecological Anthropology
Anthro 128B Race, Gender, and Science (same as Chic/Latino 176)
BioSci E189 Environmental Ethics
BioSci 191A-B Senior Seminar on Global Sustainability I, II
BioSci 191C Writing/Senior Seminar on Global Sustainability III
Chem 125 Advanced Organic Chemistry
Environ E127 Nuclear Environments (same as Intl St 122 & PubHlth 168)

Earthss ESS112 Global Climate Change and Impacts
PubHlth 100 Special Topics in Public Health
PubHlth 160 Environmental Pollution and Remediation
PubHlth 161 Environmental Geology
PubHlth 162 Human Ecology of Health
PubHlth 163 Environmental Health Science
PubHlth 164 Toxic Chemicals in the Environment Lab
PubHlth 164L Toxic Chemicals in the Environment Lab
PubHlth 165 Issues in Potable Water Reuse
PubHlth 166 Geographic Information Systems
PubHlth 167 Air Pollution, Climate, and Health
PubHlth 168 Nuclear Environments
PubHlth 169 Indirect Methods in Human Exposure Assessment
PubHlth 173 Health & Global Environmental Change
PubHlth 179 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 Evolution of Infectious Diseases
BioSci M114 Advanced Biochemistry
BioSci M114L Biochemistry Lab
BioSci M116 Advanced Molecular Biology
BioSci M116L Molecular Biology Lab
BioSci M118L Experimental Microbiology Lab
BioSci M121 Immunology with Hematology
BioSci M121L Advanced Immunology Lab
BioSci M122 General Microbiology
BioSci M122L General Microbiology
BioSci M124A Virology
BioSci M124B Viral Pathogenesis and Immunity
BioSci M125 Molecular Biology of Cancer
BioSci M137 Microbial Genetics
BioSci M143 Human Parasitology (formerly D143)

PubHlth 100 Special Topics in Public Health
PubHlth 189 Special Topics in Infectious Diseases

Practicum
PubHlth 195W Public Health Practicum