Certificate in Public Health Informatics & Technology

(This new certificate was approved by the CSULB Senate on February 14, 2024, and the President issued concurrence on March 6, 2024.)

This program is designed to prepare the students to work effectively in public health informatics and technology to improve the ability of the community's ability to respond to public health challenges. Students may work for community programs, health services organizations, government agencies, and the private sector in data analysis, systems analysis, informatics, project management and design, research, or administration.

Prerequisite: Students must meet a minimum 2.5 GPA overall.

The Certificate in Public Health Informatics and Technology requires 12 units to complete per the requirements below:

Take the following course (3 Units):
- HSC 360   Public Health Informatics: The Role of Data (3)

   Or one of the following:
- BME 440 Health Care Informatics (3)
- CECS 456 Machine Learning (3)
- IS 470 Business Intelligence (3)
- HCA 416 Management and Information Systems (3)
- STAT 491 Statistical Modeling in Epidemiology (3)
- HSC 403 Community Health Statistics (3)

Students pursuing the Certificate in Public Health Informatics and Technology should complete any pre-requisite courses for those listed above, or a course deemed equivalent to a pre-requisite course by the Department or Program offering the course. Students should consult with an academic advisor if seeking to waive any pre-requisites.

Additional Certificate Core Requirements
Take the following courses (6 units):
- HSC 460A Emerging Technologies for the Public Health (3)
- HSC 460B Public Health Maps and Spatial Analysis for Health Equity (3),
   - **or** GEOG 371 Geospatial Science for Health (3)

Take one of the following core courses (3 Units):
- HSC 260 Intro to Public Health Informatics & Technology (3), **or**
- CECS 174 Introduction to Programming and Problem Solving (The pre-req for the PHIT Certificate students will be waived), (3) **or**
- HSC 201 Introduction to Public Health (3), **or**
- HSC 297/497 Selected Topics in Health Science (on PHIT) or any relevant course from other departments or colleges "in consultation with an advisor.

EFFECTIVE: Fall 2024

Undergraduate Certificate

Academic Plan Code: HSC_CT01UG

College: 15, College of Health and Human Services

Department: Health Science