

HEALTH ANALYTICS MINOR

Description

The objective of this minor is to provide a basic background in analytics for those who are pursuing majors in health or health related fields but would like a more data and analytic rich skills set. The minor will take an application-oriented focus and is intended for those students interested in more exposure to the underlying data related components of data visualization, the data and analytic ecosystem within organizations and society, and the use and implications for use of health analytics. The minor assumes preparation in an undergraduate statistics class.

The minor is meant to allow students to both have a core related to health analytics, but also customize their approach along the continuum of skills via the use of the two electives. For example, students wishing to become more hands on data practitioners and thus facile with the programming environment can do that, whereas students who wish to be more focused on data consumption or data translation for change can elect for that option.

Requirements

Academic policies related to Minors.

Code	Title	Credits
Required Courses		
HMP 401	United States Health Care Systems	4
HMP 512	Using Data to Improve Human Health	4
HMP 703	Translation of Health Data	4
Electives		
Select two courses from the following:		8
ADMN 410	Management Information Systems	
CS 408	Living in a Networked World: The Good, the Bad, and the Ugly	
CS 417	From Programs to Computer Science	
CS 501	Professional Ethics and Communication in Technology-related Fields	
DATA 557	Introduction to Data Science and Analytics	
DS 673	Database Management	
DS 662	Programming for Business	
HMP 501	Epidemiology and Community Medicine	
HMP 702	Programming in Healthcare Environments	
HMP 711	Introduction to Healthcare Operations Analytics	
HMP 712	Healthcare Operations Management	
IT 403	Introduction to Internet Technologies	
MATH 645	Linear Algebra for Applications	
Total Credits		20