

# PUBLIC HEALTH

## B.S., Major in Public Health (43-53 Credits)

Program Director: Susan Walsh

Sponsoring Departments: Biology, Cultural and Social Studies, English, Mathematics, Nursing, Philosophy, Political Science and International Relations.

The Bachelor of Science in Public Health takes an interdisciplinary approach to looking at the health of populations and their communities. Driven by the social justice call of our Jesuit, Catholic Mission, this major will give students an opportunity to understand health trends, the interaction between environment and health outcomes, and health disparities that affect those in most need. Students will build a solid background in data analysis, biological constructs pertaining to disease, and the cultural aspects of health and public health worldwide. Students can choose from a general track or professional track.

### Public Health Major Requirements - General Track: (43-46 Credits)

Code	Title	Credits
<b>Core Requirements</b>		
<b>Fundamentals (All Courses Required)</b>		
ANT/HAP 317	Global Health: A Biosocial and Justice-Oriented Approach	3
HAP 350	The Essentials of Public Health	3
HAP 355	Essentials of Epidemiology	3
<b>Microbiology (Choose 1 course)</b> 4		
BIO 123	Microbiology for Health Professionals	
BIO 350	Fundamentals of Microbiology	
BIO 452 & BIO 453	Microbiology and Microbiology Laboratory	
<b>Statistics (Choose 1 course)</b> 3-4		
BIO 311	Biostatistics	
MTH 361	Probability and Statistics in the Health Sciences	
MTH 362	Statistical Modeling	
NUR 200	Statistical Reasoning	
PLS 310	Political Science Research Methods 2	
SOC 314	Statistics for the Social Sciences	
<b>Health Disparities/Population Health (Choose 2 courses)</b> 6		
ANT 113	Introduction to Anthropology: Social and Cultural Determinants of Health	
ANT 211	Medical Anthropology	
ANT/HAP 383	Cultural Epidemiology: Global Perspectives	
ANT 418	Healthcare, Society and Culture	
ANT 421	Public Health and Social Justice in Haiti	
PLS 436	Politics And Ethics Of Science And Technology	
NUR 366	Population Health I	
NUR 439	Population-Based Health Concepts II	
ANT/EVS 307	Demography: World Population Issues	
EVS/SOC 420	Environment & Society: Sociological Perspectives	
<b>Human Health and Disease (Choose 1 course)</b> 3-4		

ANT 422	Health, Disease, and Suffering in the Past and Present	
BIO 159	Human Biology	
BIO 432	Immunology	
BIO 449	Physiology	
EXS 320	Human Physiology	
<b>Public Health Literature and History (Choose 2 courses)</b>		6
ENG 229	Literature and Medicine	
ENG 376	Caring for the Poor: Poverty, Health Care, and the Novel	
HIS 176	Controversies in Science and Medicine (1900-1990)	
HIS 179	A History of (Un)natural Disasters	
HIS 277	Medicine in Africa and the African Diaspora	
HIS 372	Equality, Minorities, And Public Policy	
HIS 374	The Politics of Heredity: Eugenics in America	
HIS 476	Historiography of Science and Medicine	
<b>Health Data, Policy and Management (Choose 2 courses)</b>		6-7
CRJ/SOC 323	Crime, Victimization and Public Health	
HAP 200	Introduction To Healthcare Administration	
HAP 334	Public Policy And Health Care	
HAP/PLS 331	Public and Non-Profit Administration	
NUR 475	Professional Concepts III	
PLS 333	Environmental Politics And Policy	
PLS 435	Global Poverty and Development	
<b>Healthcare Ethics (Choose 1 course)</b>		3
HAP/JPS 416	Healthcare Ethics: Public Health, Administration, and Clinical Care	
PHL 404	Bioethics and Society	
PHL 425	Sciences, Ethics & Society	
PHL 456	Public Health Ethics	
<b>Health Communication (Choose 1 course)</b>		3
COM 364	Family Communication About Health and Well-Being	
COM 390	Health Communication	
COM 450	Communicating Health Narratives	
JRM 341	Public Relations Writing	
Total Credits		43-46

### Public Health Major Requirements - Professional Track: (49-53 Credits)

Code	Title	Credits
<b>CORE REQUIREMENTS</b>		
<b>Fundamentals (All Courses Required)</b>		
ANT/HAP 317	Global Health: A Biosocial and Justice-Oriented Approach	3
HAP 350	The Essentials of Public Health	3
HAP 355	Essentials of Epidemiology	3
<b>Microbiology (Choose 1 course)</b> 4		
BIO 123	Microbiology for Health Professionals	
BIO 350	Fundamentals of Microbiology	
BIO 452 & BIO 453	Microbiology and Microbiology Laboratory	

<b>Statistics (Choose 1 course)</b>	<b>3-4</b>	COM 450	Communicating Health Narratives
BIO 311	Biostatistics	JRM 341	Public Relations Writing
MTH 361	Probability and Statistics in the Health Sciences	<b>Data Curation (Choose 1 course)</b>	<b>3-4</b>
MTH 362	Statistical Modeling	ANT/CRJ/EVS	Making Maps that Matter: Introduction to GIS 570
NUR 200	Statistical Reasoning	ANT/HAP/CRJ/SWK 491	Applied Research: Assessment and Evaluation
PLS 310	Political Science Research Methods 2	MTH 365	Introduction to Data Science
SOC 314	Statistics for the Social Sciences	<b>Capstone (Choose 1 course)</b>	<b>3</b>
<b>Health Disparities/Population Health (Choose 2 courses)</b>	<b>6</b>	HAP 410	Seminar In Health Administration
ANT 113	Introduction to Anthropology: Social and Cultural Determinants of Health	HAP 485	Internship In Health Administration And Policy
ANT 211	Medical Anthropology	<b>Total Credits</b>	<b>49-53</b>
PLS 436	Politics And Ethics Of Science And Technology		
ANT/HAP 383	Cultural Epidemiology: Global Perspectives		
NUR 366	Population Health I		
NUR 439	Population-Based Health Concepts II		
ANT/EVS 307	Demography: World Population Issues		
EVS/SOC 420	Environment & Society: Sociological Perspectives		
<b>Human Health and Disease (Choose 1 course)</b>	<b>3-4</b>		
ANT 422	Health, Disease, and Suffering in the Past and Present		
BIO 159	Human Biology		
BIO 432	Immunology		
BIO 449	Physiology		
EXS 320	Human Physiology		
<b>Public Health Literature and History (choose 2 courses)</b>	<b>6</b>		
ENG 229	Literature and Medicine		
ENG 376	Caring for the Poor: Poverty, Health Care, and the Novel		
HIS 176	Controversies in Science and Medicine (1900-1990)		
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HIS 374	The Politics of Heredity: Eugenics in America		
HIS 476	Historiography of Science and Medicine		
<b>Health Data, Policy and Management (Choose 2 courses)</b>	<b>6-7</b>		
CRJ/SOC 323	Crime, Victimization and Public Health		
HAP 200	Introduction To Healthcare Administration		
HAP 334	Public Policy And Health Care		
HAP/PLS 331	Public and Non-Profit Administration		
NUR 475	Professional Concepts III		
PLS 333	Environmental Politics And Policy		
PLS 435	Global Poverty and Development		
<b>Healthcare Ethics (Choose 1 course)</b>	<b>3</b>		
PHL 404	Bioethics and Society		
PHL 425	Sciences, Ethics & Society		
PHL 456	Public Health Ethics		
HAP/JPS 416	Healthcare Ethics: Public Health, Administration, and Clinical Care		
<b>Health Communication (Choose 1 course)</b>	<b>3</b>		
COM 364	Family Communication About Health and Well-Being		
COM 390	Health Communication		