

HEALTH EQUITY SCIENCES - DOCTOR OF PHILOSOPHY

Program Description

The doctoral program in Health Equity Sciences (HES) focuses on health disparities and equity from public health, population health, and community health perspectives. Underserved and marginalized groups experience health disparities attributable to economic, social, cultural, and environmental disadvantages at higher rates than other groups. The HES program provides advanced training to prepare graduates to become health equity researchers and to assume leadership positions in governmental (local, state, federal) and non-governmental agencies, public health and social justice organizations, health care organizations, and institutions of higher learning. Graduates will have the ability to conduct original research that addresses complex health problems, develop culturally competent community-based programs, and design and conduct program evaluations. They will be able to apply their expertise in research methodology, statistical analysis, and health communication in many settings, including rural, tribal, border, and other underserved communities. The focus of the program will be on research to address existing and emerging health disparities and health equity. Through a cooperative agreement with the University of New Mexico, students are provided with advanced comprehensive training to prepare them for positions of leadership in state, federal, and global governmental and non-governmental agencies, public health and social justice organizations, health care provider organizations, and institutions of higher learning.

Program Curriculum

NOTE: Students will participate in a mix of program-specific courses using the HES (i.e., Health Equity Sciences) prefix and graduate-level courses from across the NMSU campus and from UNM by cooperative arrangement/MOU. All HES courses will be at the doctoral level (6000 or 7000), including content offerings and research/dissertation hours; courses from across the NMSU campus will be graduate-level (5000 or higher).

Prefix	Title	Credits
Core Courses (24 Credits)		
HESC 6110	Doctoral Seminar in Health Equity	3
HESC 6120	Quantitative Research Methods in Health Equity Sciences	3
HESC 6130	Seminar in Behavioral and Social Change for the Promotion of Health Equity	3
HESC 6250	Design and Evaluation of Programs to Promote Health Equity	3
HESC 6210	Advanced Multiple Regression for Health Equity Sciences	3
HESC 6220	Regression-Based Structural Equation Modeling for Health Equity Sciences	3
Qualitative Research Elective (3 credits) Choose one from the following:		
CEPY 6410	Introduction to Qualitative Research	
ANTH 579	Qualitative Data Analysis and Interpretation	
SOCI 5157	Seminar in Qualitative Research Methods	
COMM 5140	Qualitative Research Methods in Communication	
POLS 503	Qualitative Research Methods	

Statistics or Research Methods Elective (3 credits) Choose one from the following:		3
SOCI 5160	Seminar in Data Visualization	
A ST 505	Statistical Inference I	
A ST 506	Statistical Inference II	
A ST 511	Statistical Methods for Data Analytics	
A ST 515	Statistical Analysis with R	
GEOG 578	Fundamentals of GIS	
GEOG 601	Geographic Theory and Application	
PSYC 5110	Quantitative Methods in Psychology I	
Track (12 credits) Select any four courses within one chosen track: ¹		12
<i>Socio-Cultural & Behavioral Sciences</i>		
SOCI 5415	Seminar in Social Stratification	
PHLS 5610	Health Disparities: Determinants and Interventions	
PHLS 5630	International Health Problems	
PHLS 5640	Rural Health Issues	
PHLS 5660	U.S.-Mexico Border Health Issues	
PHLS 5680	Hispanic Health Issues	
PHLS 5650	Coping with Loss and Grief: A Cross-Cultural Perspective	
PHLS 5670	American Indian Health	
ANTH 531	Issues in Nutritional Anthropology	
POLS 587	Seminar in Religion and Politics	
ENGL 560	Proposal and Grant Writing	
<i>Health Across the Lifespan</i>		
PHLS 5710	Introduction to Gerontology	
PHLS 5720	Health Promotion for the Older Adult	
PHLS 5730	Adulthood and Aging	
ENGL 560	Proposal and Grant Writing	
<i>Health Administration and Policy</i>		
PHLS 5160	Public Health Policy Analysis	
PHLS 5310	Principles of Health Program Management	
PHLS 5330	Public Health Finance and Budget Management	
PHLS 5350	Public Health Policy Analysis	
ENGL 560	Proposal and Grant Writing	
<i>Applied Biostatistics</i>		
A ST 505	Statistical Inference I	
A ST 506	Statistical Inference II	
A ST 507	Advanced Regression	
A ST 509	Statistical Models for Complex Data Structures	
A ST 511	Statistical Methods for Data Analytics	
A ST 515	Statistical Analysis with R	
A ST 555	Applied Multivariate Analysis	
A ST 565	Statistical Analysis I	
STAT 5330	Continuous Multivariate Analysis	
ENGL 560	Proposal and Grant Writing	
<i>Completion of Preliminary Paper/Comprehensive Exam ²</i>		
Research and dissertation courses (18 hours)		18
HESC 6991	Doctoral Research	
HESC 6997	Independent Study	
HESC 7000	Doctoral Dissertation	
<i>Completion of Written dissertation and oral defense ³</i>		
Total Credits		54

¹ Track Elective courses will be determined with the consultation of the student's advisor.

² Pass written and oral components of the preliminary paper/comprehensive exam

³ Pass written and oral components of the dissertation

First Year

Fall		Credits
HESC 6110	Doctoral Seminar in Health Equity	3
HESC 6130	Seminar in Behavioral and Social Change for the Promotion of Health Equity	3
HESC 6210	Advanced Multiple Regression for Health Equity Sciences	3
Credits		9

Spring

HESC 6120	Quantitative Research Methods in Health Equity Sciences	3
HESC 6220	Regression-Based Structural Equation Modeling for Health Equity Sciences	3
Concentration Elective		3
Credits		9

Summer

HESC 6991	Doctoral Research	3
Credits		3

Second Year

Fall		Credits
Qualitative Methods Elective		3
Statistics/Research Methods Elective		3
Track Elective		3
Credits		9

Spring

HESC 6250	Design and Evaluation of Programs to Promote Health Equity	3
HESC 6991	Doctoral Research	3
Track Elective		3
Credits		9

Summer

HESC 6991	Doctoral Research	3
Credits		3

Third Year

Fall		Credits
HESC 7000	Doctoral Dissertation	3
Track Elective		3
Credits		6

Spring

HESC 7000	Doctoral Dissertation	3
Track Elective		3
Credits		6

Total Credits		54
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