HEALTH SERVICES RESEARCH, POLICY & ADMINISTRATION MS

The Health Services Research, Policy & Administration (HSRPA) MS program includes a robust, multidisciplinary core curriculum that provides the foundation for conducting health services research and health analytics. Students must complete a minimum of 34 credits. To complete program requirements, students will take the required core, choose electives, in consultation with their academic advisor, and complete a Plan B Master’s project.

**HSRP&A CORE REQUIREMENTS**

22-23 CREDITS

**Take all of the following:**

- PubH 6250 Foundations of Public Health (2 cr)
- PubH 6450 Biostatistics I (4 cr)
- PubH 6451 Biostatistics II (4 cr)
- PubH 6724 Health Care System & Public Health (3 cr)
- PubH 6742 Ethics in Public Health: Research and Policy (1 cr)
- PubH 6806 Principles of Public Health Research (2 cr)
- PubH 7994 Plan B Master’s Project Credits (2 cr)

**Choose Two (total of 4-5 credits) from:**

- PubH 6748 Analyzing Administrative Data for Healthcare Operations and Research (2 cr)
- PubH 6813 Managing Electronic Health Information (2 cr)
- PubH 6845 Using Demographic Data for Policy Analysis (3 cr)

**ELECTIVES**

MINIMUM 11-12 CREDITS

In consultation with their advisor, students choose courses from each of the following two areas:

**PROGRAMMING & NEW TECHNIQUES COURSES**

TAKE 6 CREDITS

Other electives may be taken with approval of advisor and DGS

- PubH 6107 Excel and Access Skills in Public Health Settings (1 cr)
- PubH 6325 Data Processing with PC-SAS (1 cr)
- PubH 6420 Introduction to SAS Programming (1 cr)
- PubH 6717 Decision Analysis for Health Care (2 cr)
- PubH 6739 Data Visualization with Tableau (1 cr)
- PubH 6819 Qualitative Research Theory & Methods for Health and Health Service Research (2 cr)

- PubH 7264 Fundamentals of Data Exploration and Visualizing Data in R (1 cr)
- PubH 7461 Exploring and Visualizing Data in R (2 cr)
- HINF 5502 Python Programming Essentials for the Health Sciences (1 cr)
- HINF 5531 Health Data Analytics and Data Science (3 cr)
- HINF 5830 Clinical Data Mining (3 cr)
- CSCI 5521 Machine Learning Fundamentals (3 cr)
- CSCI 5523 Introduction to Data Mining (3 cr)
- CSCI 5525 Machine Learning: Analysis & Methods (3 cr)
- CSCI 5511 Artificial Intelligence I (3 cr)
- MILI 6963 Healthcare Analytics (2 cr)

**OTHER HEALTH SERVICES RESEARCH COURSES**

TAKE 5 - 6 CREDITS

Other electives may be taken with approval of advisor and DGS

- PubH 6320 Fundamentals of Epidemiology (3 cr) or
- PubH 6341 Epideimiologic Methods I (3 cr)
- PubH 6735 Principles of Health Policy (3 cr)
- PubH 6803 Conducting a Systematic Literature Review (3 cr)
- PubH 6810 Survey Research Methods (3 cr)
- PubH 6832 Health Economics (3 cr)
- PubH 6855 Medical Sociology (3 cr)
- PubH 6862 Cost Effectiveness Analysis (3 cr)
- PubH 6864 Conducting Health Outcomes Research (3 cr)
- PubH 8804 Advanced Quantitative Methods (with approval of instructor) (3 cr)
- PubH 8814 Mixed Methods (with approval of instructor) (3 cr)
- PubH 8816 Implementation Science (with approval of instructor) (3 cr)