

# HEALTH SERVICES AND OUTCOMES RESEARCH METHODOLOGY CERTIFICATE

The following requirements are in addition to, or further elaborate upon, those requirements outlined in The Graduate School Policy Guide (<https://catalogs.northwestern.edu/tgs/academic-policies-procedures/>).

## Certificate

**Total Units Required: 5**

By successfully completing the Methodology certificate, students demonstrate an understanding of multidisciplinary health research methods and an ability to employ these methods to design their own studies. Certificate coursework includes applied instruction in Stata statistical software and will involve independent research papers and proposals.

## Course Requirements:

Course	Title
<b>Suggested Course Plan</b>	
HSR 461-0	Topics in Health Services Research: Methods & Measurement
PUB_HLTH 302-0	Introduction to Biostatistics
HSR 425-0	Introduction to Quantitative Methods in Health Services & Outcomes Research
PUB_HLTH 421-0	Intermediate Biostatistics
HSR 465-0	Intermediate Quantitative Methods in Health Services & Outcomes Research

## Alternative Courses Requiring Permission From Program Director:

HSR 456-0	Applied Qualitative Methods and Analysis for Health Researchers
HSR 433-0	Health Economics and Healthcare Financing
HSR 460-0	Applied Ethical Issues in Health Services Research
HSR 470-0	Federal Policy Making and Health Care Reform
HSIP 401-0	Introduction to Health Measurement Science
PUB_HLTH 425-0	Introduction to GIS and Spatial Analysis for Public Health
PUB_HLTH 438-0	Survey Design & Methodology