

# MSIA - HEALTH PRACTICE & MEDICAL EDUCATION RESEARCH (MS)

## Subplan Advisory Committee

Dr. Sharon Medcalf (Chair and Program Director), Dr. Beth Beam, Dr. Michelle Howell, Dr. Eleanor Rogan, and Dr. Jenenne Geske

## MS Curriculum

The Health Practice and Medical Education Research sub-plan was created to support several growing scholarly areas of interest in the MSIA. The following are examples of emerging research interest areas:

- Health Education Research
- Higher Education System Level Research
- Emergency Preparedness Research
- Healthcare Quality and Process Research

These scholarly areas are in need of evidence-based research to eventually guide practice and this MSIA subplan supports the next generation of researchers in these and related areas as they advance their fields.

## General Requirements

- Completion of at least 30 semester credits beyond the bachelor's degree, including both lecture coursework and research credits
- Completion of coursework
- Completion of the comprehensive examination
- Completion of a research project consistent with a master's level achievement
- Completion and successful defense of a master's thesis (Thesis Option)

## Coursework: Thesis Option

Students pursuing the Master of Science degree (**Thesis Option**) in MSIA - Health Practice & Medical Education Research must complete the following courses:

Code	Title	Credit Hours
<b>Statistics Requirements</b>		
BIOS 806	BIostatISTICS	3
BIOS 808	BIostatISTICS II	3
BIOS 835	DESIGN OF MEDICAL HEALTH STUDIES	3
(or other graduate-level Biostatistics courses within the NU system and approved by the HPMER Sub-plan Committee)		
<b>Core Curriculum</b>		
A course in grant writing is required. Students must select a grant writing course in consultation with their Supervisory Committee.		
MSIA 910	HUMAN SUBJECTS RESEARCH MANAGEMENT	2
MSIA 970	SEMINAR (to be taken for two semesters)	2
MSIA 899	MASTERS THESIS	1-9
<b>Electives (2 courses)</b>		

Students will work with their Supervisory Committee to choose appropriate electives

## Coursework: Non-Thesis Option

The **Non-Thesis** option for the Health Practice and Medical Education Research subplan is for students who opt to discontinue their training in medical school after recognizing that clinical practice as a physician is not in line with their personal and professional goals. This non-thesis option is an "off ramp" degree option for such students to prepare them to enter careers related to health professions but not involving a medical degree.

Code	Title	Credit Hours
<b>Core Curriculum</b>		
MSIA 825	RESEARCH AND SCHOLARLY COMMUNICATION IN THE HEALTH SCIENCES	2
MSIA 970	SEMINAR	1
IPBS 801	FUNDAMENTALS OF BIOMOLECULES	3
IPBS 802	MOLECULAR CELL BIOLOGY	2
IPBS 803	FUNDAMENTALS OF RECEPTORS & CELL SIGNALING	2
BMB 815	METABOLISM	2
GCBA 813	NEUROANATOMY LECTURE	2
GCBA 814	NEUROANATOMY LAB	1
GCBA 825	HUMAN HISTOLOGY	5
GCBA 908	GROSS ANATOMY LECTURE	5
GCBA 909	GROSS ANATOMY LABORATORY	6
PAMM 857	INTRODUCTORY IMMUNOLOGY	2
PAMM 870	BASIC PATHOLOGY FOR THE RESEARCHER	2