

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
Statistics Requirements		
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)		
Core Curriculum		
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
Electives (2 courses)		

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
Core Curriculum		
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