

MSIA - PATIENT-ORIENTED RESEARCH (MS)

Subplan Advisory Committee

Dr. Ka-Chun (Joseph) Siu (Chair and Program Director), Dr. Laura Bilek, and Dr. Bhavana Dave

Students pursuing the Master of Science degree in the MSIA Patient-Oriented Research sub-plan engage in and learn the processes of patient-oriented clinical research. This research directly involves patients, either evaluating their tissue, behavior, physiology or responses to an intervention. Types of research considered patient-oriented include, but are not limited to: the use of human tissues to study diagnostic techniques, the mechanism of disease, effectiveness of treatment interventions, and clinical trials. Both Thesis and Non-Thesis degree options are offered.

MS Curriculum

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 only)

Coursework: Thesis Option

Code	Title	Credit Hours
Statistics Requirements (1 course; choose among the following)		
BIOS 806	BIOSTATISTICS	3
BIOS 808	BIOSTATISTICS II	3
(or other graduate-level Biostatistics courses within the NU system and approved by the POR Advisory Committee)		
Core Curriculum		
MSIA 910	HUMAN SUBJECTS RESEARCH MANAGEMENT	2
Students may choose to take a Grant Writing course instead of MSIA 910.		
BIOS 835	DESIGN OF MEDICAL HEALTH STUDIES	3
MSIA 970	SEMINAR (to be taken for two semesters)	2
MSIA 899	MASTERS THESIS	1-10

Electives (3 courses)

Students must work with their Advisory Committee to choose electives

Coursework: Non-Thesis Option

Code	Title	Credit Hours
STATISTICS REQUIREMENT		
BIOS 806	BIOSTATISTICS	3
BIOS 808	BIOSTATISTICS II	3

Choose one of the following:

BIOS 835	DESIGN OF MEDICAL HEALTH STUDIES	3
MSIA 910	HUMAN SUBJECTS RESEARCH MANAGEMENT	2
HPTT 830	RESEARCH ANALYSIS AND DESIGN FOR HEALTH PROFESSIONS EDUCATION	3

CORE CURRICULUM

HPTT 831	DIGITAL PORTFOLIO CAPSTONE: PART 1	1
HPTT 832	DIGITAL PORTFOLIO CAPSTONE: PART 2	2
PHYT 942	SPECIAL TOPICS	3

Students must choose one writing course in consultation with their committee 2-3

FOCUS AREA REQUIREMENTS

Students are required to take at least three graded courses (minimum 2 credit hours) from the focus areas below. The student's Advisory Committee will approve specific focus area courses.

Leadership & Administration Focus (recommended courses)

HPTT 801	FOUNDATIONS OF HEALTH PROFESSIONS EDUCATION	3
HPTT 823	LEADERSHIP IN HEALTH PROFESSIONS EDUCATION	3

Education & Learning Focus (recommended courses)

HPTT 804	MULTIMEDIA AND EMERGING TECHNOLOGIES FOR LEARNING IN THE HEALTH PROFESSIONS	3
HPTT 820	DISTANCE EDUCATION IN HEALTH PROFESSIONS EDUCATION	3
HPTT 821	FUNDAMENTALS OF ADULT LEARNING IN HEALTH PROFESSIONS EDUCATION	3
HPTT 822	COGNITIVE PSYCHOLOGY APPLIED TO HEALTH PROFESSIONS EDUCATION	3

Course Design & Delivery Focus (recommended courses)

HPTT 802	INSTRUCTIONAL DESIGN FOR HEALTH PROFESSIONS EDUCATION	3
HPTT 803	INTEGRATING TECHNOLOGY INTO HEALTH PROFESSIONS CURRICULUM	3
HPTT 805	EVALUATION AND ASSESSMENT OF TEACHING AND LEARNING IN HEALTH PROFESSIONS EDUCATION	3
HPTT 824	SIMULATED AND VIRTUAL LEARNING IN HEALTH PROFESSIONS EDUCATION	3