MSIA - CLINICAL & TRANSLATIONAL RESEARCH MENTORED SCHOLARS PROGRAM (MS)

Subplan Advisory Committee
Dr. Anthony Podany (Chair and Program Director), and Dr. Chi Lin (Associate Director)

MS Curriculum

The MSIA Clinical & Translational Research Mentored Scholars Program aims to develop early career scientists and health professionals into productive, funded, clinical - translational researchers. Scholars enrolled in the MS sub-plan will engage in and learn processes and methodologies affiliated with basic science studies that have translational relevance to the health of patients as well as all types of clinical, epidemiologic, and community engagement focused research. Types of basic science research considered clinically relevant include, but are not limited to: the use of animal and cell culture models to examine mechanisms of disease; bio-modeling of disease states by technological approaches; and development of technology to study biological processes and diagnose and treat human diseases and medical conditions.

Code	Title	Credit Hours
Statistics Requirement		
BIOS 806	BIOSTATISTICS	3
BIOS 835	DESIGN OF MEDICAL HEALTH STUDIES	3
Core Curriculum		
CTR 901	SEMINAR IN CLINICAL & TRANSLATIONAL RESEARCH GRANTSMANSHIP I	2
CTR 903	MULTIDISCIPLINARY TEAM SCIENCE AND CONCEPT BUILDING	2
EPI 820	EPIDEMIOLOGY IN PUBLIC HEALTH	3
MSIA 899	MASTERS THESIS (minimum of 8 credits)	--
Electives (3 courses)		
Scholars will consult with their Supervisory Committee to select appropriate electives, a sample of potential elective courses is listed below.		
BIOS 808	BIOSTATISTICS II	3
BIOS 810	INTRODUCTION TO SAS PROGRAMMING	3
NRSG 910	HEALTH-RELATED INSTRUMENT CONSTRUCTION & EVALUATION	3
NRSG 914	MANAGEMENT OF CHRONIC ILLNESSES	3
NRSG 923	RURAL HEALTH: PRACTICE, POLICY AND RESEARCH	3
NRSG 928	TRANSLATIONAL AND INTERDISCIPLINARY OUTCOMES RESEARCH	3
ENV 913	ENVIRONMENTAL PATHOLOGY	3
EPI 812	CHRONIC DISEASE EPIDEMIOLOGY	3
HPRO 809	INTRODUCTION TO HEALTH DISPARITIES AND HEALTH EQUITY	3
HPRO 901	SYSTEMS THINKING FOR HEALTH PROMOTION RESEARCH	3
HPRO 903	MIXED METHODS RESEARCH	3
HPRO 910	HUMANISTIC TRADITIONS OF QUALITATIVE RESEARCH	3
HPRO 915	FOUNDATIONS OF THE CBPR APPROACH	3
HPRO 916	IMPLEMENTATION SCIENCE MODELS AND METHODS	3
HPRO 917	ADVANCED RESEARCH METHODS IN HEALTH PROMOTION DISEASE PREVENTION STUDY DESIGN	3
NRSG 937	PROPOSAL DEVELOPMENT IN HEALTH SCIENCES	3
Responsible Conduct in Research (RCR) / Ethics Training		