

MSIA - CLINICALLY RELEVANT BASIC RESEARCH (PHD)

Subplan Advisory Committee

Dr. Carol Casey (Chair and Program Director), and Dr. Iqbal Ahmad

Students enrolled in the MSIA - Clinically Relevant Basic Research PhD program will engage in and learn processes and methodologies affiliated with basic science studies that have translational relevance to the health of patients. Types of 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.

PhD Curriculum

Code	Title	Credit Hours
Statistics Requirement		
BIOS 806	BIOSTATISTICS	3
BIOS 808	BIOSTATISTICS II	3
(or other graduate-level Biostatistics courses within the NU system and approved by the CRBR Sub-plan Committee)		
Core Curriculum		
Two graduate-level courses in Cell Biology and/or Molecular Medicine (selected with input from the Supervisory Committee)		
GRAD 800	RESPONSIBLE CONDUCT IN RESEARCH TRAINING *	0
MSIA 970	SEMINAR (to be taken for four semesters)	4
MSIA 999	DOCTORAL DISSERTATION	1-9

Electives (5 courses)

The student's Supervisory Committee will determine the appropriate elective courses

***Note: Students must complete the majority of their coursework (all courses but one, excluding Seminar and Doctoral Dissertation) from their approved Program of Study prior to taking the Comprehensive Exam.**

MD/PhD Curriculum

Upon successful completion of Phase 1 of the College of Medicine curriculum, MD/PhD students in the MSIA - Clinically Related Basic Research sub-plan must complete the following courses:

Code	Title	Credit Hours
Statistics Requirement		
BIOS 806	BIOSTATISTICS	3
BIOS 808	BIOSTATISTICS II	3
Core Curriculum		
Two graduate-level courses in Cell Biology and/or Molecular Medicine (selected with input from the Supervisory Committee)		
GRAD 800	RESPONSIBLE CONDUCT IN RESEARCH TRAINING	0

MSIA 970	SEMINAR (to be taken for four semesters)	4
MSIA 999	DOCTORAL DISSERTATION	1-9

Electives (1)

The student's Supervisory Committee will determine the appropriate elective courses

NOTE: Students must complete the majority of their coursework (all courses but one, excluding Seminar and Doctoral Dissertation) from their approved Program of Study prior to the Comprehensive Exam.