

# MSIA - CLINICALLY RELEVANT BASIC RESEARCH (MS)

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## Subplan Advisory Committee

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

## MS Curriculum

Students enrolled in the MSIA - Clinically Relevant Basic Research MS 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.

## 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

Students pursuing the MS degree (Thesis Option) in MSIA - Clinically Relevant Basic Research are required to complete the following courses:

Code	Title	Credit Hours
<b>Statistics Requirement</b>		
BIOS 806	BIOSTATISTICS	3
(or other graduate-level biostatistics course within the NU system and approved by the CRBR Sub-plan Committee)		
<b>Core Curriculum</b>		
One graduate-level course in Cell Biology or Molecular Medicine (selected with input from the Advisory Committee)		
MSIA 899	MASTERS THESIS	1-10
MSIA 970	SEMINAR (to be taken for two semesters)	2
<b>Electives (4 courses)</b>		
Students will work with their Advisory Committee to determine the appropriate elective courses		