CLINICAL AND TRANSLATIONAL SCIENCE M.S.

All students must meet the Requirements for the Master's Degree

OVERVIEW

Concentration in Investigation

This program is designed to effectively and efficiently transform students and healthcare professionals drawn from the large array of disciplines contributing to health into successful independent Clinical and Translational Science (CTS) investigators.

Concentration in Research Management

This program is designed for individuals who have an interest in contributing to CTS by becoming research coordinators, research administrators, and other science professionals.

Non-Concentration, Course-Based

This program is designed to maximize flexibility in exploring coursework across the Clinical and Translational Science spectrum.

SPECIFIC REQUIREMENTS

Requirements for Admission to Graduate Studies for the Degree of Master of Science

CONCENTRATION IN INVESTIGATION

4 semesters of college-level science highly recommended

2 semesters of college-level mathematics or statistics highly recommended

Applicants must also follow the instructions and application requirements of the Graduate College.

CONCENTRATION IN RESEARCH MANAGEMENT

4 semesters of college-level science highly recommended

2 semesters of college-level mathematics or statistics highly recommended

Applicants must also follow the instructions and application requirements of the Graduate College.

NON-CONCENTRATION, COURSE-BASED

4 semesters of college-level science highly recommended

2 semester of college-level mathematics or statistics highly recommended

Applicants must also follow the instructions and application requirements of the Graduate College.

Minimum Degree Requirements CONCENTRATION IN INVESTIGATION

The Master's in CTS (Investigation) is a 30 credit degree that includes 15 credits of core course work, 9 credits of electives, and 6

credits of supervised research. Individuals must also participate in the Seminar in CTS, successfully pass a comprehensive exam, and successfully complete and publicly defend a thesis.

Requirement Description		Credits
Required Courses (Investigation Track):		
PH 6102	Design Clin&Translational Res	3
PH 6103	Conduct Clin&Translational Res	3
CTS 6150	Report Clin&Translational Res	3
CTS 6200	Analyze Clin&Translational Res	3
CTS 6250	Multi Analysis Clin&Trans Res	3

CONCENTRATION IN RESEARCH MANAGEMENT

The Master's in CTS (Research Management) is a 30-credit degree that includes 15 credits of core course work, 9 credits of electives, and 6 credits of a supervised research internship. Individuals must also participate in the Seminar in CTS and successfully pass a comprehensive exam.

Requirement Description		Credits
Required Courses (Research Management Track):		
PH 6102	Design Clin&Translational Res	3
PH 6103	Conduct Clin&Translational Res	3
CTS 6150	Report Clin&Translational Res	3
CTS 6200	Analyze Clin&Translational Res	3
CTS 6250	Multi Analysis Clin&Trans Res	3

NON-CONCENTRATION, COURSE-BASED

The Master's in CTS (Non-Concentration, Course-based) is a 30-credit degree that includes 15 credits of core course work, 12 credits of electives, and a 3-credit capstone course. Individuals must also participate in the Seminar in CTS and successfully pass a comprehensive exam.

Requirement Description		Credits
Required Courses:		
PH 6102	Design Clin&Translational Res	3
PH 6103	Conduct Clin&Translational Res	3
CTS 6150	Report Clin&Translational Res	3
CTS 6200	Analyze Clin&Translational Res	3
CTS 6250	Multi Analysis Clin&Trans Res	3

Comprehensive Examination

The comprehensive exam is a required component for all concentrations of the M.S. program. The goal of the comprehensive exam is to determine whether the student's depth and breadth of knowledge and ability to integrate information is within a scope expected as part of a master's program in CTS.

The written exam has 2 parts. The first part is writing a 1-2 page project summary of a grant protocol in the style of a National Institute of Health Small Research Grant (R03) using the concepts learned in the CTS core courses. The second part requires an analysis of an existing dataset using the concepts learned in the CTS core courses.

The oral exam requires students to meet with a Comprehensive Exam Committee to answer questions related to the written exam and concepts taught as part of the CTS core courses.

Requirements for Advancement to Candidacy for the Degree of Master of Science

Students must have completed all required courses including 15 graded credits and maintain an overall minimum grade point average of 3.00. Successful completion of oral and written comprehensive exam required.