

# HUMAN CLINICAL INVESTIGATION: THEORY (GRADUATE CERTIFICATE)

Code	Title	Credits
PR 810 & PR 820 & PR 830	Clerkship - MSPR and Master's Clerkship-PR and Clerkship - MSPR	
<b>Total Credits</b>		<b>17</b>

<sup>1</sup> GC 660 Statistical Methods is pre-req

<sup>2</sup> GC 660 Statistical Methods, MI 580 Principles-Epidemiology are pre-requisites

## Contacts

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**Campus:** Center City

Program Website (<https://www.jefferson.edu/academics/colleges-schools-institutes/life-sciences/degrees-programs/graduate-certificates/clinical-investigation.html>)

## Program Description

Clinicians trained in the basics of human clinical investigation are needed to design and initiate clinical trials in academic medicine and in the pharmaceutical industry. This certificate focuses on the theory rather than the implementation. This certificate program is the didactic component of the MS Pharmacology Program, Human Clinical Investigation track. No thesis is required for the certificate.

## Learning Goals & Outcomes

The Certificate Program in Human Clinical Investigation: Theory provides the core competencies and skills needed for those interested in clinical research or careers in academic medicine. This program is designed for clinicians, but could be taken by others interested in understanding the theory behind clinical trial design.

- Provide the theory behind the design of human clinical studies and appropriate design and use of databases
- Educate on the ethics and regulations governing clinical research
- Provide a background in statistics and epidemiology necessary for human clinical investigation

## Curriculum: 17 Credits

Code	Title	Credits
<b>Core Curriculum</b>		
GC 660	Statistical Methods	3
GC 630	Fund-Clinical Trials <sup>1</sup>	3
MI 580	Principles-Epidemiology <sup>1</sup>	3
GC 510	Database Design & Mgmt	2
GC 640	Research Ethics	1
GC 690	Reg Issu in Human Subjects Res	2
<b>Elective</b>		
Select one of the following:		3
PR 525	Princ-Clin Pharmacology	
GC 650	EconAnal of HealthcareInterven	
GC 654	Pharmacoepidemiology <sup>2</sup>	