

Clinical Investigation Certificate Requirements

Requirements	Clinical Investigation Concentration			Translational Medicine Concentration			Genetics/Genomics Concentration			Dissemination and Implementation		
	Credits	Course Name	Course #	Credits	Course Name	Course #	Credits	Course Name	Course #	Credits	Course Name	Course #
Concentration	3	Designing Outcomes and Clinical Research (Fall)	M17-513	3	Designing Outcomes and Clinical Research (Fall) OR Randomized Controlled Trials (Fall)	M17-513 OR M19-550	3	Introduction to Biomedical Informatics I: Foundations (Fall)	M17-5302	3	Introduction to Dissemination and Implementation (Fall)	M17-540
	3	Advanced Methods for Clinical and Outcomes Research (Spring)	M17-589	3	Bench Fundamentals for Translational Medicine (Summer)*	M17-553	3	Genetics/Genomics Related Courses (see below)	TBD	3	Implementation Science: Approaches in Local, Regional and Global Contexts (Spring)	M17-541
Statistics	3	Introduction to Statistics (Fall)	M17-522	3	Introduction to Statistics (Fall) *	M17-522	3	Introduction to Statistics (Fall)	M17-522	3	Developing and Evaluating Implementation Strategies	M17-5544
	3	Intermediate Statistics (Spring)	M17-524	3	Introduction to Statistics (Fall) *	M17-522	3	Intermediate Statistics (Spring)	M17-524	3	Introduction to Statistics (Fall)	M17-522
Ethics	2	Ethical & Legal Issues (Fall)	M17-510	2	Ethical & Legal Issues (Fall)	M17-510	2	Ethical & Legal Issues (Fall)	M17-510	2	Ethical & Legal Issues (Fall)	M17-510
Writing	2	Scientific Writing (Spring) OR Grantsmanship (Fall)	M17-529 OR M17-528	2	Scientific Writing (Spring) OR Grantsmanship (Fall)	M17-529 OR M17-528	2	Scientific Writing (Spring) OR Grantsmanship (Fall)	M17-529 OR M17-528	2	Scientific Writing (Spring) OR Grantsmanship (Fall)	M17-529 OR M17-528
Total Credits	16			16			16			16		

*Higher level or alternate course in the same topic area can be substituted when appropriate. CI Director approval required. Must be graduate level course.

Statistics Computing w/ SAS (M21-530) or good practical experience with SAS as determined by course instructor is required as a prerequisite for this course.

**Scholars pursuing the MTPCI, TL1, KL2, K12, etc. may also have other program requirements that must be completed in addition to the CI Certificate requirements. Check with your granting program to confirm course, seminar and thesis requirements.

Scholars have 5 years to complete all requirements of the Certificate. This can be extended at the discretion of the MSCI Program Director. Transferred credits or substitutions other than those noted above are not allowable for the Certificate.

Revised 3/22/2022

DBBS Fundamentals Core Courses for Translational Track

Course Title	Course number	Credits	Semester
Immunobiology I	L41-5053	4	Fall
Fundamentals of Molecular Cell Biology	L41-5068	4	Fall
Fundamentals of Mammalian Genetics	L41-5285	3	Fall
Nucleic Acids and Protein Biosynthesis	L41-548	3	Fall

Core Courses in Genomics/Genetics

Course Title	Course number	Credits	Semester
Computational Statistical Genetics	M21-621	3	Spring
Genomics	L41-5488	3-4	Spring
Advanced Genetics	L41-5491	3	Spring
Fundamentals of Mammalian Genetics	L41-5285	3	Fall