MSCI Degree

Scholars beginning July 2017

	Clinical Investigation			Translational Medicine Track			Genetics/Genomics Track			Dissemination and Implementation Track		
	Credits	Course Name	Course #	Credits	Course Name	Course #	Credits	Course Name	Course #	Credits	Course Name	Course #
Concentration Requirements	3	Designing Outcomes and Clinical Research (Fall)	M17-513	3	Designing Outcomes and Clinical Research 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 (Summer)	M17-553	3	Genetics/Genomics Related Courses (see 2nd tab/page)	TBD	3	Implementation Science: Approaches in Local, Regional and Global Contexts (Spring)	M17-541
				3	DBBS Fundamentals Course (see 2nd tab/page)	L41-TBD						
Statistics Requirements	3	Introduction to Statistics (Fall)	M17-522	3	Introduction to Statistics (Fall)	M17-522	3	Introduction to Statistics (Fall)	M17-522	3	Introduction to Statistics (Fall)	M17-522
	3	Intermediate Statistics (Spring)	M17-524	0-3	Intermediate Statistics (Spring)	M17-524	3	Intermediate Statistics (Spring)	M17-524	3	Intermediate Statistics (Spring)	M17-524
Ethics Requirement	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 Requirement	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
Seminar Requirement	4	MTPCI Research Seminar	M17-5140	4	MTPCI Research Seminar	M17-5140	4	MTPCI Research Seminar	M17-5140	4	MTPCI Research Seminar	M17-5140
Electives	6	Electives (Any)		3-6	Electives (Any)		6	Electives (Any)		3 3	Developing and Evaluating Implementation Strategies in Health and Social Science (Spring) Electives (Any)	M17-5544
Research	6-8	Mentored Independent Research	M17-5110	6-8	Mentored Independent Research	M17-5110	6-8	Mentored Independent Research	M17-5110	6-8	Mentored Independent Research	M17-5110
Thesis	0	Manuscript Submitted to a Peer-Reviewed Journal or Entrepreneurial Focused Thesis	N/A	0	Manuscript Submitted to a Peer-Reviewed Journal or Entrepreneurial Focused Thesis	N/A	0	Manuscript Submitted to a Peer-Reviewed Journal or Entrepreneurial Focused Thesis	N/A	0	Manuscript Submitted to a Peer-Reviewed Journal or Entrepreneurial Focused Thesis	N/A
Total Credits	33			33			33			33		

Thesis Requirement

All MSCI scholars are required to complete a thesis. Scholars are required to submit a copy of the article, receipt of submission from the journal, and a Final Thesis form signed by all members of the scholar's Mentorship Committee. The thesis requirement must be fulfilled prior to completion of the program. Entrepreneurial Focused Thesis options include a grant application (e.g. SBIR/STTR), funding proposal, pubiness plan, or entreprenerial based peer-reviewed manuscript submission.

Mentorship Meeting Requirements

All MSCI scholars are required to meet with their Mentorship Committee every semester. Mentorship Committee forms are due to the Program Coordinator by December 1st and May 1st each semester. All mentors must be present at the meetings and must sign off on the forms. During the scholar's final semester, the Mentorship Committee should sign off on the scholar's Final Thesis using the Final Thesis form.

Scholars have 5 years from the earliest course (including transferred credits) to complete all requirements of the Degree. The thesis requirement must be completed within 1 year of completion of the last course, or within 5 years of the first course taken, whichever is shorter. Up to 9 credits can be transferred in toward the degree with Director approval.

Revised 3/23/22

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 Course examples for Genetics/Genomics Track**			
Choose One:	**Course**	**Credits**	**Offered**
Computational Statistical Genetics	M21-621	3	Spring
Genomics	L41-5491	3	Spring
Advanced Genetics	L41-5488	3-4	Spring
Fundamentals of Mammalian Genetics	L41-5285	3	Fall