

MSCI Degree

Scholars beginning July 2016

	Clinical Investigation			Translational Medicine Track			Genetics/Genomics Track		
	Credits	Course Name	Course #	Credits	Course Name	Course #	Credits	Course Name	Course #
Concentration Requirements	3	Designing Outcomes and Clinical Research (Fall) OR Epidemiology (Spring)	M17-513 OR M17-588	3	Designing Outcomes and Clinical Research OR Randomized Controlled Trials (Fall)	M17-513 OR M19-550	3	Medical Data and Information Management (Spring)	M17-5301
	3	Intermediate Methods for Clinical and Outcomes Research (Spring)	M17-589	3	Bench Fundamentals (Summer)	M17-553	3	Genetics/Genomics Related Courses (see 3rd tab)	TBD
				3	DBBS Fundamentals Course (see 2nd tab)	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	Intermediate Statistics (Spring)	M17-524	0-3	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
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
Seminar Requirement	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)	
Research	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
Total Credits	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 entrepreneurial 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.

DBBS Fundamentals Core Courses for Translational Track

<u>Course Title</u>	<u>Course number</u>	<u>Credits</u>	<u>Semester</u>
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

<u>Course Title</u>	<u>Course number</u>	<u>Credits</u>	<u>Semester</u>
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