

Clinical & Translational Science Track

FALL YEAR 1 (12 Credit Hours/11 Graded Hours)

<u>COURSE #</u>	<u>HRS</u>	<u>COURSE</u>
MSCI 601*	5	Principles of Basic Medical Sciences++
MSCI 609	1	Responsible Conduct of Research++
MSCI 605	3	Foundations of Biomedical Informatics++
MSCI 689+	2	Special Topics in Clinical Research++
MSCI 691	1	Research Rotation & Journal Club & CSTR Grand Rounds

SPRING YEAR 1 (9 Credit Hours/8 Graded Hours)

<u>COURSE #</u>	<u>HRS</u>	<u>COURSE</u>
MSCI 610*	3	Pathogenesis of Human Disease++
MSCI 689+	2	Special Topics in Clinical Research++
	3	Elective++
MSCI 691	1	Research Rotation & Journal Club & CSTR Grand Rounds

SUMMER YEAR 1 (5 Credit Hours/4 Graded Hours)

<u>COURSE #</u>	<u>HRS</u>	<u>COURSE</u>
STAT 651	3	Statistics in Research++
MSCI 689+	1	Special Topics in Clinical Research++
MSCI 691	1	Research Rotation & Journal Club & CSTR Grand Rounds

YEAR 1 = 26 Credit Hours/23 Graded Hours

FALL YEAR 2 (11 Credit Hours/5 Graded Hours)

<u>COURSE #</u>	<u>HRS</u>	<u>COURSE</u>
MSCI 689+	2	Special Topics in Clinical Research++
	3	Elective++
MSCI 691	6	Research Rotation & Journal Club & CSTR Grand Rounds

SPRING YEAR 2 (11 Credit Hours/5 Graded Hours)

<u>COURSE #</u>	<u>HRS</u>	<u>COURSE</u>
MSCI 689+	2	Special Topics in Clinical Research++
	3	Elective++
MSCI 691	6	Research Rotation & Journal Club & CSTR Grand Rounds

SUMMER YEAR 2 (6 Credit Hours/2 Graded Hours)

<u>COURSE #</u>	<u>HRS</u>	<u>COURSE</u>
MSCI 689+	1	Special Topics in Clinical Research++
MSCI 691	5	Research Rotation & Journal Club & CSTR Grand Rounds

YEAR 2 = 28 Credit Hours/12 Graded Hours

(TOTAL YEARS 1 & 2 = 54 Credit Hours/35 Graded Hours)

FALL YEAR 3 (10 Credit Hours/0 Graded Hours)

<u>COURSE #</u>	<u>HRS</u>	<u>COURSE</u>
MSCI 691	9	Research Rotation & Journal Club & CSTR Grand Rounds

SPRING YEAR 3 (10 Credit Hours/0 Graded Hours)

<u>COURSE #</u>	<u>HRS</u>	<u>COURSE</u>
MSCI 691	9	Research Rotation & Journal Club & CSTR Grand Rounds

SUMMER YEAR 3 (6 Credit Hours/0 Graded Hours)

<u>COURSE #</u>	<u>HRS</u>	<u>COURSE</u>
MSCI 691	6	Research Rotation & Journal Club & CSTR Grand Rounds

YEAR 3 = 24 Credit Hours/0 Graded Hours
(TOTAL YEARS 1-3 = 78 Credit Hours/35 Graded Hours)

FALL YEAR 4 (10 Credit Hours/0 Graded Hours)

<u>COURSE #</u>	<u>HRS</u>	<u>COURSE</u>
MSCI 691	9	Research Rotation & Journal Club & CSTR Grand Rounds

SPRING YEAR 4 (10 Credit Hours/0 Graded Hours)

<u>COURSE #</u>	<u>HRS</u>	<u>COURSE</u>
MSCI 691	9	Research Rotation & Journal Club & CSTR Grand Rounds

YEAR 4 = 18 Credit Hours/0 Graded Hours
(TOTAL YEARS 1-4 = 96 Credit Hours/35 Graded Hours)

- * Courses may be exempted for MD/PhD or MD Plus MS students.
- + Offered on the Houston Campus. Alternative elective courses can be substituted on the Bryan/College Station or Temple Campus.
- ++ Graded courses. On the Houston Campus, equivalent courses may be taken at the UT Graduate School, Baylor College of Medicine, or Temple Campus with approval of the CTS track director.

PhD: 96 Total Credit Hours (32-35 Graded Credit Hours); 64 Total Credit Hours (21 Graded Credit Hours for individuals with a previous Masters or MD)

MS: 32 Total Credit Hours (20 Graded Credit Hours; 11-15 Graded Credit Hours for individuals with a previous MD)

MD/PhD: 64 Total Credit Hours (15-21 Graded Credit Hours)

MD Plus MS: 32 Total Credit Hours (11-15 Graded Credit Hours)

Electives should be selected to establish competency in the focus area of the research thesis. Examples include: Biological Sciences (Cell & Molecular, Genetics, Microbiology, Immunology, Physiology, Neurosciences, Pharmacology, etc.), Epidemiology, Social & Behavioral Sciences, Public Health & Health Policy, Research Design & Analysis, Informatics, and Medical Engineering. Appropriate electives should be selected in consultation with the advisory committee chair and CTS track director.

The Advisory Committee should include a Chair and a Co-Chair who serve as dual mentors who provide complementary expertise for the focus area of research, and preferably provide an opportunity for engaging with patients relevant to the research.

For PhD students, the research lab should be selected before the Spring of year 2. The Qualifying Exam should occur before the Fall of year 2.

For MS students, the research lab should be selected upon entry into the program.