

MSCI Program Course Sequence

Year One

FALL	Credits	SPRING	Credits	SUMMER	Credits
CTS 612A INTRODUCTION TO BIOSTATISTICS IN CLINICAL RESEARCH	3	CTS 612B INTERMEDIATE BIOSTATISTICS IN CLINICAL RESEARCH	3	CTS 871 MSCI PRE-THESIS RESEARCH	3
CTS 605A - INTRODUCTION TO EPIDEMIOLOGY	3	CTS 609 - DESIGN AND OBSERVATIONAL STUDIES OF CLINICAL TRIALS	3		
CTS 611 –SCIENTIFIC WRITING	3	CTS 606 – GRANT WRITING	3		
CTS 607 – BIOMEDICAL INFORMATICS	3	CTS 610 – TOPICS IN MOLECULAR MEDICINE	2		
CTS 702 – RESEARCH ETHICS	2	CTS 608 – TEAM SCIENCE	2		
CTS 855 – CTS RESEARCH SEMINAR	0	CTS 855 – CTS RESEARCH SEMINAR	0		
JOURNAL CLUB – NO REGISTRATION REQUIRED		JOURNAL CLUB – NO REGISTRATION REQUIRED			
Total credits:	14		13		3

Year Two

FALL	Credits	SPRING	Credits	SUMMER	Credits
CTS 901 – MSCI THESIS RESEARCH	4	CTS 901 - MSCI THESIS RESEARCH	4	CTS 901 - MSCI THESIS RESEARCH**	4
CTS 855 – CTS RESEARCH SEMINAR	0	CTS 855 – CTS RESEARCH SEMINAR	0		
CTS 867 – MSCI TRAC MEETING	0	CTS 867 – MSCI TRAC MEETING	0		
MSCI ELECTIVE COURSE*	2	MSCI ELECTIVE COURSE*	2*		
MSCI ELECTIVE COURSE* (OR SPRING)	2				
JOURNAL CLUB – NO REGISTRATION REQUIRED		JOURNAL CLUB – NO REGISTRATION REQUIRED			
	8		6		

* Three elective courses are required during year two; an elective must be taken each term, fall and spring. The third elective can be taken during either of those two semesters or during the summer between year one and two.

**If necessary to complete program.

MSCI Professional Track Program Course Sequence

Year One

FALL	Credits	SPRING	Credits	SUMMER	Credits
CTS 612A INTRODUCTION TO BIOSTATISTICS IN CLINICAL RESEARCH	3	CTS 612B INTERMEDIATE BIOSTATISTICS IN CLINICAL RESEARCH	3	CTS 871 MSCI PRE-THESIS RESEARCH	1
CTS 605A - INTRO. TO EPIDEMIOLOGY	3	CTS 609 - DESIGN AND OBSERVATIONAL STUDIES OF CLINICAL TRIALS	3		
CTS 611 –SCIENTIFIC WRITING	3	CTS 610 – TOPICS IN MOLECULAR MEDICINE	2		
CTS 855 – CTS RESEARCH SEMINAR	0	CTS 855 – CTS RESEARCH SEMINAR	0		
JOURNAL CLUB – NO REGISTRATION REQUIRED		JOURNAL CLUB – NO REGISTRATION REQUIRED	0		
	9		8		1

Year Two

FALL	Credits	SPRING	Credits	SUMMER	Credits
CTS 607 – BIOMEDICAL INFORMATICS	3	CTS 608 – TEAM SCIENCE	2	CTS 901 MSCI THESIS RESEARCH	3
CTS 702 – RESEARCH ETHICS	2	CTS 606 – GRANT WRITING	3		
CTS 871 - MSCI PRE-THESIS RESEARCH	1	CTS 871 – MSCI PRE-THESIS RESEARCH	1		
CTS 855 – CTS RESEARCH SEMINAR	0	CTS 855 – CTS RESEARCH SEMINAR	0		
CTS 867 – MSCI TRAC MEETING	0	CTS 867 – MSCI TRAC MEETING	0		
JOURNAL CLUB – NO REGISTRATION REQUIRED		JOURNAL CLUB – NO REGISTRATION REQUIRED	0		
	6		6		3

Year Three

FALL	Credits	SPRING	Credits	SUMMER	Credits
CTS 901 – MSCI THESIS RESEARCH	3	CTS 901 MSCI THESIS RESEARCH	2	CTS 901 MSCI THESIS RESEARCH**	2
CTS 855 – CTS RESEARCH SEMINAR	0	CTS 855 – CTS RESEARCH SEMINAR	0		
CTS 867 – MSCI TRAC MEETING	0	CTS 867 – MSCI TRAC MEETING	0		
MSCI ELECTIVE COURSE*	2	MSCI ELECTIVE COURSE*	2		
MSCI ELECTIVE COURSE* (OR SPRING)	2				
JOURNAL CLUB – NO REGISTRATION REQUIRED		JOURNAL CLUB – NO REGISTRATION REQUIRED	0		
	7		4		2

* Three elective courses are required during year three; an elective must be taken each term, fall and spring. The third elective can be taken during either of those two semesters or during the summer between years two and three.

**If necessary to complete program.

Professional Track students are expected to participate in the MSCI Seminars and Journal Club on a pro-rata basis.

School of Medicine CTRP/MSCI Course Sequence

Summer	Credits
CTS SEMINARS (CREDIT FOR MS1 AND MS2 EXTRA CTS PATHWAY REQUIREMENTS COMPLETED)	2
PRE-THESIS RESEARCH (INCLUDES DEVELOPMENT OF MASTERS THESIS PROPOSAL AND 4 CREDITS FOR COMPLETED MS1 SUMMER RESEARCH)	7
Total Credits	9

Year One

Fall	Credits	Spring	Credits
CTS 612A INTRODUCTION TO BIOSTATISTICS IN CLINICAL RESEARCH	3	CTS 612B INTERMEDIATE BIOSTATISTICS IN CLINICAL RESEARCH	3
CTS 605A - INTRO. TO EPIDEMIOLOGY	3	CTS 609 - DESIGN AND OBSERVATIONAL STUDIES OF CLINICAL TRIALS	3
CTS 611 –SCIENTIFIC WRITING*	3	CTS 606 – GRANT WRITING	3
CTS 607 – BIOMEDICAL INFORMATICS	3	CTS 610 – TOPICS IN MOLECULAR MEDICINE **	2
CTS 702 – RESEARCH ETHICS	2	CTS 608 – TEAM SCIENCE	2
CTS 901 – MSCI THESIS RESEARCH	4	CTS 901 - MSCI THESIS RESEARCH	4
CTS 855 – CTS RESEARCH SEMINAR	0	CTS 855 – CTS RESEARCH SEMINAR	0
JOURNAL CLUB – NO REGISTRATION REQUIRED		JOURNAL CLUB – NO REGISTRATION REQUIRED	
Total Credits	18	Total Credits	17

* For students expecting to complete a systematic review for the Master's thesis, substitution of CPH 702 Scientific Writing is expected.

** Student may substitute any MSCI elective course.

TOTAL PROGRAM CREDITS: 44 (Note: students are highly encouraged to defend their Masters thesis before returning to MS3 or MS4, however students may use the 2-3 month Senior Scholar elective to complete their work, and/or edit and prepare their Masters work for publication; students who are able to complete their Masters work before returning to School of Medicine will be waived from the CTS Pathway Senior Scholars requirement.