

**Certificate Program in Translational Science (CPTS)
Two Year Program Curriculum**

FALL SEMESTER, Year One

Beginning in Year One:

CPTS 501 – Translation to Clinical Medicine – 2 credits. This is an individualized rotation for PhD students, PhD postdocs, and others without clinical experience. If you are a physician/nurse with clinical experience, you do not take this course, but you must substitute some other course to make up the required 16 credits. Students will attend 4-5 virtual lectures with Dr. Matthew Collins in the fall semester of year one for the purpose of designing this rotation. You are registered for this course in spring of year two although you begin the course in fall of year one. Your grade will be given at the end of the spring semester of your second year in the program after you take a final exam.

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
MSCR 761 – Introduction to Clinical & Translational Science 1:00-2:50 pm Credits: 2		MSCR 594A – Scientific & Grant Writing for Clinical Research <i>(for Predocs and PhD Postdocs)</i> 10:10 – 11:50 am Credits: 1		
CPTS 500 – Fundamentals of Epidemiology 3:10- 5:00 pm Credits: 2	Elective: MSCR 596 – Data Management in R 3:10 – 5:00 pm Credits: 2 <i>(See description & prerequisites on Page 4)</i>		Elective: MSCR 515 – Scientific Communication for Clinical & Translational Science 2:00-3:00 pm (9/7-11/9) Credits: 1	
<i>An approved elective is required either in fall or spring (see page #4)</i>				

Other requirements (see page #4):

DISC Workshop: Second Friday in September from 9:00 – 11:00am, **in-person**

Journal Club: begins in September, **in Zoom**

SPRING SEMESTER, Year One

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	
			MSCR 594A – Scientific & Grant Writing for Clinical Research <i>(for junior faculty)</i> 1:00-2:20 pm Credits: 1	MSCR 591 – Community Engagement and Health Disparities in Clinical & Translational Research Credits: 1 Dates: Meets 4x throughout the semester – 2x in person from 8:30am-2:00pm and 2x in Zoom from 8:00-9:00am Dates shared at CPTS orientation in August	MSCR 594B Individual Instruction by Grant Writing Consultant <i>(for Predocs and PhD Postdocs)</i> Credits: 1
			MSCR 593 – Ethical, Legal, and Social Issues of Responsible Clinical Research 2:40 – 4:00 pm Credits: 1		
<i>An approved elective is required either in fall or spring (see page #4)</i>					

Reminder:

Science of Team Science Workshop – Late March – 8:30am – 12:00pm, in-person

FALL SEMESTER, Year Two

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	
			MSCR 598 (1/2 Semester) Big Data to Knowledge (BD2K) 3:10 – 5:00 pm Credits: 1 MSCR 595 (1/2 semester) Health Services Research 3:10 – 5:00 pm Fred Sanfilippo, MD, PhD Credits: 1	MSCR 594B Individual Instruction by Grant Writing Consultant <i>(for junior faculty)</i> Credits: 1
	Elective: MSCR 596 – Data Management in R 3:10 – 5:00 pm Credits: 2 <i>(See description & prerequisites on Page 4)</i>		Elective: MSCR 515 – Scientific Communication for Clinical & Translational Science 2:00-3:00 pm (9/7-11/9) Credits: 1	
An approved elective is required at some point in the program (see page #4)				

SPRING SEMESTER, Year Two

MONDAY	TUESDAY	WEDNESDAY	THURSDAY
	CPTS 502 – Biostatistics for Translational Research 1:00 – 2:50 pm Credits: 2		
	MSCR 592 – Clinical & Translational Science Colloquium 3:10-5:00 pm Credits: 1		
An approved elective is required at some point in the program (see page #4)			
CPTS 501 – registered during final spring semester to receive credit			

Reminder:

Science of Team Science Workshop – end of March/early April – half-day **in-person** workshop (if you didn't attend during year 1)

OTHER REQUIREMENTS FOR THE CERTIFICATE IN TRANSLATIONAL RESEARCH:

Elective: 1-2 credit elective course is required for a total of 16 credits for the Certificate Program. Electives offered by the program are offered every fall and include:

1. MSCR 515 – Scientific Communication for Clinical & Translational Science (1 credit) – no prerequisites
2. MSCR 596 – Advanced Data Management in R (2 credits) – prerequisites include:
 - 1) No knowledge of R or programming is required, but experience with statistical software (e.g., SPSS, SAS, JAGS, STATA, etc.) is highly recommended
 - 2) Basic statistics course covering at least linear regression (BIOS 530 or equivalent)

You can choose to take an elective outside of the program, however it must be approved by Dr. Jessica Alvarez, CPTS Program Director and you must request the instructor's approval. Please share both approval e-mails and the course details with Rachel Hardison (rachel.hardison@emory.edu) to be registered.

MSCR/CPTS Journal Club: meets on the **2nd Monday evening from 5:15 until approximately 6:30 September through April** by Zoom. Teams select the articles to be discussed based on the methodology. Articles must be approved by the Journal Club Coordinators at least two weeks in advance. First year students are required to participate; it is optional for second year students. The schedule and instructions can be found in the CPTS OneDrive.

DiSC workshop: Second Friday in September from 9:00 – 11:00am, **in-person**

IRB Rotation: Sign up to observe one Emory University IRB meeting. These are held at 4:00 p.m. on selected dates throughout the year via Zoom. See CPTS One Drive folder for instructions.