



UCLA CTSI Training Program in Translational Science

# MSCR Research/Clinical Trials

## 2022-23 Timeline

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Program Requirements: **32 units** required courses, **8 units** electives, **8 units** Biomath 596

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*2022-23 Instruction: Fall (Sep 22-Dec 9), Winter (Jan 9-Mar 24), Spring (Apr 3-Jun 16)*

### TRAINING YEAR ONE

- FALL**      Biomath 170A: Introductory Biomathematics for Medical Investigators  
Biomath M260C: Methodology in Clinical Research III: Observational Studies
- WINTER**    Biomath 265A: Data Analysis Strategies I\*  
Biomath 266A: Applied Regression Analysis in Medical Sciences  
Option to take elective or Biomath 596 directed individual study with assigned research mentor
- SPRING**    Biomath 266B: Advanced Biostatistics  
Option to take elective and/or Biomath 596 directed individual study with assigned research mentor  
Submit a research abstract to aid in committee selection (requests sent in Spring/Summer)  
Declare project type (capstone or thesis) with abstract (thesis required for STAR students)

### TRAINING YEAR TWO

- FALL**      Biomath M260A: Methodology in Clinical Research I: Clinical Trials  
Biomath M261: Responsible Conduct of Research Involving Humans  
Option to take elective or Biomath 596 directed individual study with assigned research mentor  
Meet with your committee
- WINTER**    Biomath 259: Controversies in Clinical Trials  
Option to take elective and/or Biomath 596 directed individual study with assigned research mentor  
Meet with your committee
- SPRING**    Biomath M260B: Methodologies in Clinical Research II  
Option to take elective and/or Biomath 596 directed individual study with assigned research mentor  
Advance to Candidacy: submit ATC form and transcript copy to Student Affairs Officer  
Oral presentation of capstone or thesis to your full committee (Thesis for STAR students)  
Capstone: committee Chair submits results to Student Affairs / Thesis: complete online filing

# Core TPTS Courses: 2022-23

[\(Subject to change. Confirm through your MyUCLA or this Schedule link\)](#)

**\*BOLD = Required program courses (others are suggested electives)**

## Fall Quarter (Instruction: Sep 22 - Dec 09)

Course	Days	Times	Units	Instructors
<b>* Biomath 170A</b>		Introductory Biomathematics for Medical Investigators		
	M/W	12:00 pm - 1:20 pm	4	Sim, Myung Shin; Gornbein, Jeff
<b>* Biomath 170A Disc</b>		Discussion for 170A		
	W	1:30 pm - 2:20 pm	0	Gornbein, Jeff
<b>* Biomath M260A</b>		Methodology in Clinical Research I: Clinical Trials		
	M/W	10:00 am - 11:20 am	4	Tseng, Chi-hong
<b>* Biomath M260C</b>		Methodology in Clinical Research III: Observational Studies		
	M/W	8:30 am - 9:50 am	4	Seeman, Teresa; Shaheen, Magda
<b>* Biomath M261</b>		Responsible Conduct of Research Involving Humans		
	W	4:00 pm - 5:50 pm	2	Korenman, Stan

## Winter Quarter (Instruction: Jan 09 - Mar 24)

Course	Days	Times	Units	Instructors
<b>* Biomath 259</b>		Controversies in Clinical Trials		
	T	8:30 am - 9:50 am	2	Elashoff, David; Ranganath, Veena
<b>* Biomath 265A</b>		Data Analysis Strategies I*		
	M/W	12:00 pm - 1:20 pm	4	Gornbein, Jeff
<b>* Biomath 266A</b>		Applied Regression Analysis in Medical Sciences		
	M/W	10:00 am - 11:20 am	4	Elashoff, David
Biomath M262		Communication of Science (Grant/Journal Writing)		
	W	8:30 am - 9:50 am	2	Elashoff, David; Ranganath, Veena

## Spring Quarter (Instruction: Apr 03 - Jun 16)

Course	Days	Times	Units	Instructors
<b>* Biomath 266B</b>		Advanced Biostatistics		
	M/W	11:00 am - 12:20 pm	4	Jackson, Nicholas; Liang, Li-Jung
Biomath 285		Introduction to High-throughput Data Analysis		
	M/W	1:00 pm - 2:20 pm	4	Elashoff, David; Zhou, Jin
<b>* Biomath M260B</b>		Methodologies in Clinical Research II		
	M/W	9:30 am - 10:50 am	4	Sim, Myung Shin; Elashoff, David

Statistics 102A: Introduction to Computational Statistics with R may be substituted for Biomath 265A