UCLA CTSI Training Program in Translational Science

MSCR Research/Clinical Trials

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

Program Timeline - Clinical Trials

2020-21 Instruction: Fall (Oct 1-Dec 18), Winter (Jan 4-Mar 19), Spring (Mar 29-Jun 11)

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
Declare intent to complete a capstone project or a thesis
Submit a research abstract to aid in committee selection (requests sent in Spring/Summer)

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 project or thesis to your full committee
Capstone: committee Chair submits results to Student Affairs / Thesis: complete online filing

TPTS Biomath Courses: 2020-21

***Courses in bold are required at some point during MSCR Clinical Trials training**

(Subject to change. Click to confirm online with the UCLA Schedule of Classes)

Fall Quarter (Instruction: Oct 01 - Dec 18)

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

Winter Quarter (Instruction: Jan 04 - Mar 19)

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

Spring Quarter (Instruction: Mar 29 - Jun 11)

Course	*Days*	*Times*	*Units*	*Instructors*
*** Biomath 266B**	Advanced Biostatistics			
	M/W	11:00 am - 12:20 pm	4	Nicholas Jackson, Li-Jung Liang
*** Biomath M260B**	Methodologies in Clinical Research II			
	M/W	9:30 am - 10:50 am	4	David Elashoff, Xiaoyan Wang

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