UCLA CTSI Training Program in Translational Science

MSCR Research/Biomedical Informatics

2022-23 Timeline

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

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

TRAINING YEAR ONE

FALL
Bioeng M227: Medical Information Infrastructures and Internet Technologies
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 mento
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
Bioeng 220: Introduction to Medical Informatics
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
Take elective and/or Biomath 596 directed individual study with assigned research mentor
Meet with your committee

SPRING
Bioeng M226: Medical Knowledge Representation
Option to take elective and/or Biomath 596 directed individual study with assigned research mento
Advance to Candidacy: submit ATC form and transcript copy to Student Affairs Officer
Oral presentation of capstone or thesis to your full committee
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
*** Bioeng 220**	Introduction to Medical Informatics			
		-	2	
*** Bioeng M227**	Medical Information Infrastructures and Internet Technologies			
		-	4	
*** Biomath 170A**	Introductory Biomathematics for Medical Investigators			
	M/W	12:00 pm - 1:20 pm	4	Sim, Myung Shin; Gornbein, Jeff
*** Biomath 170A Disc**	Discussion for 170A			
	W	1:30 pm - 2:20 pm	0	Gornbein, Jeff
Biomath M260A	Methodology in Clinical Research I: Clinical Trials			
	M/W	10:00 am - 11:20 am	4	Tseng, Chi-hong
*** Biomath M260C**	Methodology in Clinical Research III: Observational Studies			
	M/W	8:30 am - 9:50 am	4	Seeman, Teresa; Shaheen, Magda
*** Biomath M261**	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
Biomath 259	Controversies in Clinical Trials			
	T	8:30 am - 9:50 am	2	Elashoff, David; Ranganath, Veena
*** Biomath 265A**	Data Analysis Strategies I*			
	M/W	12:00 pm - 1:20 pm	4	Gornbein, Jeff
*** Biomath 266A**	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
Bioeng M226	Medical Knowledge Representation			
		-	4	
*** Biomath 266B**	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
Biomath M260B	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