UCLA CTSI Training Program in Translational Science

MSCR Research/Biomedical Informatics
2023-24 Timeline for MS

REQUIREMENTS: 32 units required courses, **8 units** electives*, **8 units** Biomath 596**

Electives must be graduate-level (200 or 400) basic science courses, but can be in any department.
**Biomath 596 is directed individual study with your assigned quantitative mentor.
**Contact this mentor each quarter you enroll in 596 to confirm units and study plan.

YEAR ONE

FALL
- Bioeng M227
- Biomath 170A
- Biomath M260C

WINTER
- Biomath 265A*
- Biomath 266A
- Option to take elective or Biomath 596 with assigned quantitative mentor

SPRING
- Biomath 266B
- Option to take elective and/or Biomath 596 with assigned quantitative mentor
- Submit research abstract to aid in committee selection (requests sent in Spring/Summer)*

YEAR TWO

FALL
- Bioeng 220
- Biomath M261
- Option to take elective or Biomath 596 with assigned quantitative mentor
- Meet with assigned committee

WINTER
- Take elective and/or Biomath 596 with assigned quantitative mentor
- Meet with assigned committee

SPRING
- Bioeng M226
- Option to take elective and/or Biomath 596 with assigned quantitative mentor
- Meet with assigned committee
- 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

2023-24 TPTS Course Offerings

(Subject to change. Confirm through your MyUCLA portal or here)

*Courses with * are required at some point during training. Others listed are suggested electives.*

Fall Instruction: Sep 28 - Dec 15

Course	Title	Days	Time	Units	Instructor(s)
* 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	Myung Shin Sim, Jeff Gornbein
* Biomath 170A Disc	Discussion for 170A				
		W	1:30 pm - 2:20 pm	0	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 Instruction: Jan 08 - Mar 22

Course	Title	Days	Time	Units	Instructor(s)
Biomath 259	Controversies in Clinical Trials				
		T	8:30 am - 9:50 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	10:00 am - 11:20 am	4	David Elashoff
Biomath M262	Communication of Science (Grant/Journal Writing)				
		W	8:30 am - 9:50 am	2	David Elashoff, Veena Ranganath

Spring Instruction: Apr 01 - Jun 14

Course	Title	Days	Time	Units	Instructor(s)
* Bioeng M226	Medical Knowledge Representation				
		-		4	
* Biomath 266B	Advanced Biostatistics				
		M/W	11:00 am - 12:20 pm	4	Nicholas Jackson, Li-Jung Liang
Biomath 285	Introduction to High-throughput Data Analysis				
		M/W	1:00 pm - 2:20 pm	4	David Elashoff, Jin Zhou
Biomath M260B	Methodologies in Clinical Research II				
		M/W	9:30 am - 10:50 am	4	Myung Shin Sim, David Elashoff

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