All students are required to meet the minmum 36 unit requirement for the MAS. Students in either the ImS or DataSci track will earn more than 36 units by completing the required courses for each track. Additional electives beyond the required courses are optional. If a student has completed courses prior to starting the program or have tested out of a coures, then the must take additional electives to meet the 36 unit minmum requirement.

Courses	Units	Conventional Program[1]	Implementation Sciences Track[2, *]	Data Science in Clinical Research Track[3,*]
Year 1				
Required Courses				
Summer				
Responsible Conduct of Research (EPI 201)	0.5	X	X	X
Designing Clinical Research (EPI 202)	2	X	X	X
Data Collection and Management (EPI 218)	1	X		X
Introduction to Statistical Computing in Clinical Research (BIOSTAT 212)	1	X	X	X
Introduction to the Science of "Big Data" (BIOSTAT 202)	3			X
Introduction to Computing in the R Software Environment (BIOSTAT 213)	1.5			X
Fall				
Epidemiologic Methods (EPI 203)	4	X	X	X
Clinical Epidemiology (EPI 204) (maybe taken in year 1 or year 2)	3	X	X	X
Introduction to Implementation Science Theory and Design (EPI 245)[2]	2		X	
Community Engaged Research (EPI 248)2	2		X	
Biostatistical Methods for Clinical Research I (BIOSTAT 200)	3	X	X	X
Programming for Health Data Science in R II (BIOSTAT 214)	1.5			X
TICR Program Seminar for First-Year Master's and Certificate Program Scholars (EPI 220/230)	1	X	X	X
Winter				
Clinical Trials (EPI 205)	2	X	X	
Social Determinants of Health and Health Disparities: What Every Researcher Should Know (EPI 222) (1 unit)	1	X	X	X
Biostatistical Methods for Clinical Research II (BIOSTAT 208)	3	X	X	X
Machine Learning in R for the Biomedical Sciences: Methods for Prediction, Pattern Recognition, and Data Reduction (BIOSTAT 216)	3			X
TICR Program Seminar for First-Year Master's and Certificate Program Scholars (EPI 220/230)	1	X	X	X
Spring				
Publishing and Presenting Clinical Research (EPI 212)	1	X	X	X
Systematic Reviews/Meta-Analysis (EPI 214)	1	X	X	
Biostatistical Methods for Clinical Research III (BIOSTAT 209)	3	X	X	X
TICR Program Seminar for First-Year Master's and Certificate Program Scholars (EPI 220/230)	1	X	X	X
Year 2				
Fall				
Biostatistical Methods for Clinical Research IV (BIOSTAT 210)	2	X	X	
Master's Seminar II (EPI 221)	1	X	X	X
Winter				
Master's Seminar II (EPI 221)	1	X	X	X
Spring				
Master's Seminar II (EPI 221)	1	X	X	X
IMS Elective 1 - can be taken any time as courses are available	2		X	
IMS Elective 2 - can be taken any time as courses are available	2		X	
total potential units (students may take more than the 36 minimum requirement)		34.5	40.5	37.5

*Courses for either track maybe taken in year 1 or year 2

Conventional Program[1]
Sufficient number of other TICR Program Courses to achieve at least 36 quarter units

Implementation Sciences Track[2]
In addition to the two required courses (EPI 245 and EPI 248), at least two elective courses must be taken from the following:

Study Designs for Intervention Research in Real-World Settings (EPI 241)
Program Evaluation in Clinical and Public Health Settings (EPI 242)
Designing Individual-Level Implementation Strategies (EPI 246)
Designing Interventions to Change Organizational Behavior (EPI 247)
Translating Evidence Into Policy: Framing Research to Influence Policy (EPI 249)
Qualitative and Mixed Methods Research (EPI 267)

Data Science in Clinical Research Track[3]
No additional electives are needed beyond the required courses