Master of Science in Applied Statistics
Guidelines for Accelerated Timeline

Considering graduating from the MSAS Program in one year?

Students who wish to fulfill all requirements for the MS degree in one year may do so by taking courses in the fall, spring, and summer sessions. This accelerated timeline requires special planning because some of the HUDM courses required for the MS degree are only offered in the fall or the spring semesters.

	Statistics Courses: (27 points)			
	Course #	*Course Name*	*Term*	*Points*
Major Courses	HUDM 4125	Statistical inference (3)	Fall Y1	
	HUDM 5126	Linear models and regression analysis (3)	Fall Y1	
	HUDM 5150	Statistical Careers, Communication, and Capstone (3)	**Fall Y2**	
	HUDM 6026	Computational statistics (3)	Spring Y1	
	At least 3 points selected from the following:			
	HUDM 5123	Linear models and experimental design (3)	Spring Y1	
	HUDM 6030	Multilevel and longitudinal data analysis (3)	**Fall Y2**	
	And at least 3 points selected from the following:			
	HUDM 6055	Latent structure analysis (3)	**Fall Y2**	
	HUDM 6122	Multivariate analysis (3)	Spring Y1	

The only required course that cannot be taken under the accelerated timeline is HUDM 5150, because it must be taken during the fall of year 2 (Y2). Thus, to complete the MS degree in one year, students must choose an alternative statistics elective course, in consultation with their primary advisor, as a substitute for HUDM 5150.

In addition, one of the functions of HUDM 5150 is to provide structure and review opportunities for the culminating project. Therefore, it is important that students who wish to pursue a one year graduation be proactive and self-motivated in proposing and writing their final project.

To that end, **those who wish to pursue the accelerated timeline are required to submit a proposal for the culminating project to their primary advisor by the end of the spring semester**. Consult the program planning document called "Guidelines for the Culminating Project", and select one of the three options: data analysis, simulation study, or critical literature review. Then, write and submit your proposal.

The proposal should have the following headers:
- **Background**: 1 paragraph giving the overall problem
- **Purpose**: 1 paragraph that begins: "In this paper, …" (Provide the goals of what you will accomplish in the paper and how.)
- **Data**: 1 paragraph telling the data source, and important features of the data (sample size, who was sampled, years collected, covariates you will use)
- **Research design/ Analysis plan**: 1-2 paragraphs with your analysis plan. Be sure to note in which courses the methods you will be using were learned. For example, "I will use propensity score models (HUDM 5133) in order to determine …"

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- **Discussion**: 1 paragraph on how your results will help answer the question/ problem you posed in "purpose."

Plan to submit a final draft of your project to your primary advisor by August 1st. This will provide enough time for your advisor to review your paper and give you time to respond to any critical comments that require revisions.

Check with the Registrar's Office website to verify deadlines for (a) declaring your intent to graduate early and (b) to fulfill all requirements. Note, if the link to the Registrar's Office is not working, search the web for "Teachers College How to File for a Master's Degree". Check the TC Academic Calendar to see when graduation ceremonies take place and when diplomas are mailed.

If you have further questions about this process, please get in touch with your primary academic advisor. Unless you have made other arrangements, this is typically the Program Director for Applied Statistics.