

Master of Science: Applied Data Science Fast-Track 2021-2022 Advising Check Sheet

The 34-credit Fast -Track is an accelerated degree program for the MS in Applied Data Science (MSADS), and students to complete as many as nine (9) graduate credits by the time their undergraduate degree is conferred. Fast Track also gives students the option to enter the workforce after graduation and complete the remainder of the program online and/or part-time.

Eligibility, Application Deadlines, and Fast-Track Timeline

Syracuse University undergraduate students in junior standing (between 54-83 total cumulative credits) are eligible for Fast Track. You are encouraged to apply by **February 1** or earlier; however, the deadline to indicate interest *and* apply is **May 1** of your junior year. Admission to the graduate program will be conditional based on completion of the undergraduate program.

Primary Core: 18 credits

Although not required in the ADS program, fast-track students can also consider a Data Science Internship the summer after their senior year for three credits.

Class #	Course Title	When to Enroll
IST 659	Data Admin Concepts & Database Management*	FA/SP- Sr. Year
IST 687	Introduction to Data Science *	MYM/SU- after Jr. year
IST 707	Applied Machine Learning*	FA/SP- Sr. Year
IST 718	Big Data Analytics*	Spring/Masters year 1
IST 772	Quantitative Reasoning for Data Science*	Fall/Masters year 1
SCM 651	Business Analytics*	Fall/Masters year 1

DISCLAIMER: Undergraduate coursework for specific graduate equivalent classes in this program must be at a B or better in order to not take the graduate equivalent class. While the equivalent undergrad course with a grade of B or better will fulfill the track requirement, a different graduate-level elective within the field must replace that substituted course/credit. Students can also consider a Data Science Internship the summer after their senior year.

Secondary Core: 6 credits

Students select 6 credits from one of the tracks below.

Data and Business Analytics

Class #	Course Title	Completed
ACC 652	Accounting Analytics*	
FIN 654	Financial Analytics*	
MAR 653	Marketing Analytics*	
MBC 638	Data Analysis and Decision Making*	
SCM 702	Principles of Management Science*	

Language Analytics

Class #	Course Title	Completed
IST 664	Natural Language Processing*	
IST 736	Text Mining*	

Data Pipelines and Platforms

Class #	Course Title	Completed
IST 652	Scripting for Data Analysis*	
IST 722	Data Warehouse*	
IST 769	Advanced Big Data Management*	

Electives: 9 Credits

Students can also choose any course from a different track for three credits, one additional course in the chosen track, or any course from the list below for 3 credits.

Class #	Course Title	Completed
IST 615	Cloud Management*	
IST 618	Information Policy*	
IST 623	Introduction to Information Security*	
IST 644	Managing Data Science Projects	
IST 719	Information Visualization*	
IST 974	Internship in Applied Data Science *	
MAS 766	Linear Statistical Models I: Regression Models	
MAS 777	Times Series Modeling and Analysis	

Exit Requirement: 1 Credit

In their final term or semester, students are required to complete a Portfolio to provide an assessment of learning for their program. Students will choose assignments and projects worked on in courses during the course of study which demonstrate full competency of the MSADS program learning outcomes.

Class #	Course Title	Completed
IST 782	Applied Data Science Portfolio*	

**classes are also available as online classes in the quarter terms calendar, offered in partnership with 2SU. There are restrictions on these courses for specific groups of students so please reach out to your advisor for more information.*