Master of Science: Applied Data Science
For SU IM&T Students Only
2018-2019 Advising Check Sheet

The 36 credit Fast Track is an accelerated degree program for the MS in Applied Data Science (MSADS), and allows students to receive the MSADS degree in just one year of full-time graduate study (summer, fall and spring) by taking graduate courses in their senior undergraduate year. 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. **This advising check sheet is for SU IM&T students only. Other fast-track students should consult with their advisor.**

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. A detailed fast track timeline is on our website.

Common Core: 18 credits

The Common Core includes foundational knowledge in databases, data analysis and business analytics. Students will complete Common Core courses in an order which builds foundational knowledge and skills in preparation for more advanced work. **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 Mgmt. *(if 359 was not taken or scored below a B)*	FA/SP- Sr. Year
IST 687	Introduction to Data Science *(if 387 was not taken or scored below a B)*	MYM/SU- after Jr. year
IST 707	Data Analytics	FA/SP- Sr. Year
IST 718	Big Data Analytics	SP sem-grad
MBC 638	Data Analysis & Decision Making	FA sem- grad
SCM 651	Business Analytics	FA sem- grad

DISCLAIMER: **Undergraduate coursework for specific graduate equivalent classes 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 yuear**

Analytics Application Core: 3-6 credits

The Analytics Applications Core provides an opportunity for the student to choose one or two functional area specializations in accounting analytics, financial analytics, marketing analytics, and supply chain analytics, as a way to develop deeper exploration of particular application area(s) for data science techniques.

Class #	Course Title	Completed
ACC 652	Accounting Analytics	
MAR 653	Marketing Analytics	
FIN 654	Financial Analytics	
SCM702	Principles of Management Science	

Electives: 12-15 credits

The Electives include coursework in linear models, time series, scripting for data analysis, natural language processing, information visualization, data warehouse, text mining, information policy, information security and advanced database management. Students should select 4 or 5 courses.

Class #	Course Title	Completed
MAS 776	Linear Statistical Models	
MAS 777	Times Series Modeling and Analysis	
IST 618	Information Policy	
IST 623	Introduction to Information Security	
IST 652	Scripting for Data Analysis	
IST 664	Natural Language Processing	
IST 719	Information Visualization	
IST 722	Data Warehouse	
IST 736	Text Mining	
IST 769	Advanced Database Administration Concepts and Database Management	

Exit Requirement: Portfolio Milestone

Students are required to complete a Portfolio Milestone 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 reflect abilities specified in the program learning outcomes for inclusion in their personal portfolio. A panel of faculty who teach the courses included in the program will review the portfolios of graduates during the student's final term. The panel will approve the portfolio for each student as a transcript milestone required for the degree.