

Certificate of Advanced Study: Data Science 2017- 2018 Advising Check Sheet

The 15-credit Data Science curriculum includes a 6-credit primary core requirement and 9-credits of elective courses. The CAS in Data Science at the iSchool was the first New York State-approved certificate of its kind, and gives a competitive edge to students and professionals alike by equipping them with a mixture of technical and theoretical skills. The curriculum can be tailored to fit your education or career goals. Specializations include data analytics, data storage and management, data visualization, and general systems management.

Required Courses: 6 credits

Course #	Course Title	Completed
IST 659	Data Administration Concepts & Database Management	
IST 687	Introduction to Data Science	

Elective Courses: 9 credits

Course #	Course Title	Completed
IST 553	Information Architecture for Internet Services	
IST 558	Technologies for Web Content Management	
IST 565	Data Mining	
IST 639	Enterprise Technologies	
IST 645	Managing Information Systems Projects	
IST 654	Information Systems Analysis	
IST 664	Natural Language Processing	
IST 676	Foundations of Digital Data	
IST 681	Metadata	
IST 718	Advanced Information Analytics	
IST 719	Information Visualization	
IST 722	Data Warehouse	
IST 736	Text Mining	
IST 769	Advanced Data Administration Concepts & Database Management	
IST 776	Research Methods in Information Science and Technology	
IST 777	Statistical Methods in Information Science and Technology	

- A formal Petition is required for students who want to count a course towards the CAS that is not listed in the advising check sheet. Please email iAdvising@syr.edu to learn more about the Petition process.
- All courses are 3 credits unless specified otherwise
- Prospective Students: contact iGrad@syr.edu for any questions about the application process
- Current Students: contact iAdvising@syr.edu for any questions regarding courses and registration