

APPLIED DATA SCIENCE MINOR

Contact

Laurie Ferger
Program Director
(315) 443-2911
iundergrad@syr.edu

Website

<https://ischool.syr.edu/academics/data-analytics-minor/>

Overview

Empower data-driven decision making.

As data and technology become increasingly fundamental to how businesses operate, understanding how to derive, communicate, and apply data-driven insights to organizational problems is an in-demand skill set that will give you an advantage over other graduates in your field.

Every industry and profession need graduates who can use data to deepen their knowledge, further their research, and make better business decisions. That is why our minor in Data Analytics is open to all students at Syracuse University outside of the iSchool, regardless of college or major.

Student Learning Outcomes

1. Use data-driven approaches (e.g., visual, quantitative, qualitative, and computational) to generate insight from data, across a range of contexts (e.g., societal, business, political).
2. Examine how individuals, organizations and society are created and impacted by data and machine learning models.
3. Utilize data science development tools to support the full analytics life cycle.

Program Requirements

Code	Title	Credits
Required Courses		
The following three courses are required for the Minor in Data Science		
IST 343	Data in Society	3
IST 387	Introduction to Applied Data Science	3
IST 414	Data-Driven Inquiry	3
Electives		
Select three courses from the following list of electives		9
IST 256	Introduction to Python for the Information Profession	
or IST 356	Programming Techniques for Data Analytics	
IST 359	Introduction to Database Management Systems	
IST 407	Data Mining	
IST 418	Big Data Analytics	
IST 421	Information Visualization	
IST 469	Advanced Big Data Management	
Total Credits		18