DATA SCIENCE (M.S.)

For details about this program, including program description, admission requirements, and contact information, click here (https://www.montclair.edu/graduate/programs-of-study/data-science-ms/).

Program Requirements

Code	Title	Credits
Required Core Courses		
CSIT 528	Statistics for Data Science [1, 2]	3
CSIT 553	Exploratory Data Analysis and Visualization	3
CSIT 555	Database Systems [1, 2]	3
CSIT 558	Data Mining [1, 2]	3
CSIT 571	Computer Algorithms and Analysis	3
CSIT 598	Machine Learning	3
Elective Courses		
Complete two courses for 6 semester hours from the following:		6
APLN 550	Computational Linguistics	
APLN 552	Special Topics in Natural Language Processing	
CSIT 548	Scalable Distributed Systems	
CSIT 552	Python for Data Science	
CSIT 554	Big Data Analytics	
CSIT 599	Advanced Algorithms for Data Science	
STAT 538	Regression Methods	
Culminating Experience		
CSIT 696	Research Methods in Computing	3
Complete one course for 3 semester hours:		3
CSIT 697	Master's Project	
CSIT 698	Master's Thesis	
Total Credits		**30**

1 Students in the combined B.S. Computer Science/M.S. Data Science program complete this course on the undergraduate level.

2 Students in the combined B.S. Information Technology/M.S. Data Science program complete this course on the undergraduate level.