Data Science Accelerators (75 hours)
Not your typical boot camp !

The Data Science accelerators are non-credit intense training sessions given daily over the course duration of five weeks. All accelerators include a theoretical component and a significant hands-on component, including in-class problem-solving using popular software packages on real-world datasets.

The accelerators are targeted to practitioners who may have diverse sets of experience and knowledge and do not wish to pursue a degree program. The goal of these accelerators is to provide a wide range of training from refresher courses to theoretical and practical aspects of data science.

Schedule: Accelerators are offered:
1. Mornings: Mon-Fri: 9am – 12pm
2. Evenings: Mon-Fri: 6pm – 9pm

Cost: $7,500 / accelerator

Accelerator	Prerequisites	Outcomes
Refresher Basic mathematics, statistics and Python programming.	None	Become familiar with the math and computer science fundamentals required to continue to a Data Science career.
Data Analytics Data management, analytics and visualization.	None	Perform data analysis, reporting, and design visual dashboard solutions.
Data Engineering Big Data infrastructure and data modeling, integration and pipeline processing.	Basic programming skills, data structures	Prepare the big data infrastructure and provide data to be analyzed by data scientists.
Basic Data Science Basic machine learning using Python and Scikit-learn.	Basic Python programming, Data structures and algorithms, Calculus and Linear algebra, Probability and Statistics	Apply methods in Python scikit-learn library to perform classification, regression, and clustering of data.
Advanced Data Science Advanced machine learning, time series and visualization.	Basic Python programming, Data structures and algorithms, Calculus and Linear algebra, Probability and Statistics, basic machine learning	Apply methods in Python scikit-learn library to perform feature extraction, visualization and predict time-dependent variables.
Deep Learning (AI) Neural networks and Artificial Intelligence (AI).	Basic Python programming, Data structures and algorithms, Calculus and Linear algebra, Probability and Statistics, basic machine learning	Design and build deep learning models in Keras. Apply AI techniques on GPU platforms.

For more information, contact Ryan Mass, ph: (973) 596-3178, ryan.m.mass@njit.edu, or visit njit.edu/JerseyCity