# CUNY SPS Online MS in Data Science
# Academic Planning Sheet

## MS in Data Science: 30 Credits

| Required Courses: 21 credits (Take all courses listed) | | Transfer | Semester | Credit |
|---|---|---|---|---|
| DATA 607 - Data Acquisition and Management | 3 credits | | | |
| DATA 606 - Statistics and Probability for Data Analytics | 3 credits | | | |
| DATA 602 - Advanced Programming Techniques | 3 credits | | | |
| DATA 605 - Fundamentals of Computational Mathematics | 3 credits | | | |
| DATA 608 - Knowledge and Visual Analytics | 3 credits | | | |
| DATA 621 - Business Analytics and Data Mining | 3 credits | | | |
| DATA 698 - Analytics Master's Research Project (Final 15-week semester) | 3 credits | | | |
| | | | | |
| **Electives:  9 credits (Choose any 3 available courses)** | | | | |
| DATA 604 - Simulation and Modeling Techniques | 3 credits | | | |
| DATA 609 - Mathematical Modeling Techniques for Data Analytics | 3 credits | | | |
| DATA 612- Recommender Systems (Summer 2019) | 3 credits | | | |
| DATA 618 - Quantitative Finance | 3 credits | | | |
| DATA 620 - Web Analytics | 3 credits | | | |
| DATA 622 - Machine Learning and Big Data | 3 credits | | | |
| DATA 624 - Predictive Analytics | 3 credits | | | |
| DATA 644 - Current Topics in Urban Sustainability: Energy | 3 credits | | | |
| DATA 646 - Current Topics in Urban Sustainability: Complex Systems | 3 credits | | | |
| DATA xxx - New Elective | 3 credits | | | |
| | | | Total Credits: | |

- Required courses are offered every fall and spring; Electives offered in summer semester. Participation in summer semester is optional.
- Course availability depends on faculty availability and student enrollment.
- *Sample elective plan given, take any electives of your choice.

Name: _____