

# DATA SCIENCE, MS

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Campus: NYC, Westchester, Online

| Code   | Title                                 | Credits   |
|--|---------------------------------------|-----------|
| <b>Bridge Courses (Required if no previous background)</b> |                                       |           |
| CS 623   | Database Management Systems           | 3         |
| CS 661   | Python Programming                    | 3         |
| <b>Core Courses</b>  |                                       |           |
| CS 660   | Mathematical Foundations of Analytics | 3         |
| CS 673   | Scalable Databases                    | 3         |
| CS 675   | Introduction to Data Science          | 3         |
| CS 619   | Data Mining                           | 3         |
| CS 677   | Machine Learning                      | 3         |
| CS 676   | Algorithms for Data Science           | 3         |
| <b>Data Science Capstone Course</b>                        |                                       |           |
| CS 668   | Analytics Capstone Project            | 3         |
| <b>Electives</b>   |                                       |           |
| Choose three courses/9 credits with advising consultation  |                                       | 9         |
| 6 credits must be in Computer Science Courses              |                                       |           |
| <b>Total Credits</b>                                       |                                       | <b>30</b> |