**Suggested schedule for full-time MPP students pursuing a Big Data certificate**

***The following suggested sequence is based on historical program offerings. Offerings in the future may be different. Consult class schedules as they are published and if any conflicts arise contact the MPP program manager, Beth Henke. Completing the Big Data certificate will add one, 3- credit course beyond the number of courses required by the MPP program, and take up all your electives in the program. One Big Data Core course can be substituted with one of the following MPP courses: Program & Policy Evaluation, Survey Research Methods, or Public Policy Research.***

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| **Fall Semester (1st year)** | | | | |
| **PADMN 6320** | **Public Policy Theories & Applications** | **Tuesday 6-9PM** | **MPP core** | **3 credits** |
| **PUBPL 6290** | **Applied Quantitative Methods** | **Monday 6-9PM** | **MPP core** | **3 credits** |
| **ECON 6300** | **Public Finance** | **Thursday 6-9PM** | **MPP core** | **3 credits** |
| **Spring Semester (1st year)** | | | | |
| **PUBPL 6900** | **Public Policy Research** | **Thursday 6-9PM** | **Big Data**  **MPP core** | **3 credits** |
| **PUBPL 6563** | **Program & Policy Evaluation** | **Monday 6-9PM** | **MPP core** | **3 credits** |
| **ECON 6380** | **Law & Econ** | **Online** | **MPP core** | **3 credits** |
| **CS 6300** | **Artificial Intelligence** | **T/Th 12:25-1:45PM** | **Big Data**  **MPP Elective** | **3 credits** |
| **Summer Semester (1st year)** | | | | |
| **PADMN 6323** | **Policy Analysis** | **Online** | **MPP core** | **3 credits** |
| **Fall Semester (2nd year)** | | | | |
| **PUBPL 6560** | **Survey Research Methods** | **Thursday 6-9PM** | **MPP core** | **3 credits** |
| **PUBPL 6960** | **Applied Capstone Prep** | **Independent Study** | **MPP core** | **1 credit** |
| **STAT 6003** | **Survey of Stat Packages** | **Tuesday 6-9PM** | **MPP core** | **3 credits** |
| **PUBPL 6960** | **Advanced Algorithms** | **T/Th 10:45-12:05PM** | **Big Data**  **MPP elective** | **3 credits** |
| **Spring Semester (2nd year)** | | | | |
| **PUBPL 6950** | **Applied Policy Project** | **Thursday 6-9PM** | **MPP core** | **3 credits** |
| **CS 6350** | **Machine Learning** | **MW 4:35-5:55PM** | **Big Data**  **MPP elective** | **3 credits** |
| **CS 6140** | **Data Mining** | **MW 3:00-4:30PM** | **Big Data**  **MPP Elective** | **3 credits** |