Graduate Certificate in Public Policy-Data Analytics Sample Plan

Fall, Year 1	Credits
POLC 6314 Policy Research Methods I: Introduction to Statistics	3
COSC 6335 Data Mining	3
Spring, Year 1	**Credits**
POLC 6315 Policy Research Methods II: Multivariate Analysis	3
BZAN 6310 Quantitative Analysis for Business Decisions	3
	Total Credits
	12

The coursework required for this certificate includes POLC 6314 and one of the following POLC courses:

- POLC 6311 Leadership and Professional Development
- POLC 6312 Public Finance
- POLC 6313 Policy Analysis I: Microeconomics
- POLC 6315 Policy Research Methods II: Multivariate Analysis
- POLC 6316 Policy Research Methods III: Advanced Quantitative Modeling
- POLC 6320 Policy Analysis II: Political Analysis
- POLC 6330 Philosophy and Public Policy I
- POLC 6331 Philosophy and Public Policy II

Besides the two required POLC courses, the options for the two data analytics-related courses include:

- ANTH 6325 Computer-based Data Analysis in Anthropology
- BZAN 6310 Quantitative Analysis for Business Decisions
- COSC 6335 Data Mining
- COSC 6339 Big Data Analytics
- ELCS 6302 Data-Informed Decision Making for School Leaders
- ELET 6318 Analysis of Data Networks
- LAW 6243 Privacy & Data Protection
- MATH 6365 Automatic Learning & Data Mining
- MARK 7377 Customer Relationship Management and Database Marketing
- SOCW 8424 Statistics and Data Analysis

In addition to these specific courses, students can petition the Hobby School to include other courses. These will be considered on a case-by-case basis, and will require the consent of the Hobby School Associate Dean for Graduate Studies and the applicable department where the course is offered.