

# POLITICAL ECONOMY WITH DATA ANALYTICS, MA

## Overview

The Master of Arts in Political Economy with a Data Analytics Emphasis is a two-year (four-semester) interdisciplinary program. The major goal of the program curriculum is to train public policy specialists using advanced technologies and data analytics.

## Requirements

A minimum of thirty- (30) credit hours of coursework with a cumulative GPA  $\geq$  3.0. The 30 hours include 12 hours of core courses, 18 hours of graduate Data Analytics Electives.

Course ID	Title	Credits
<b>Core Courses</b>		
MATH 6080 or CCCC 7300	Intro to Statistical Inference Quantitative Analysis	3
ECON 6230	Econometrics	3
PECN 6100	Empirical Approaches to Political Economy	3
PECN 6200	Advanced MA Seminar for Political Economy	3
<b>Electives (pick 5 from the list)</b>		<b>15</b>
BIMI 6100	Elements in Biomedical Informatics	
BIMI 6200	Introduction to Data Science for Biomedical Informatics	
BIMI 7100	Statistical Machine and Deep Learning in Biomedical Practice	
BIOS 6290	Data Management and Statistical Computing	
BIOS 6300	Introduction To ArcGIS	
BIOS 6800	Public Health GIS II	
CCCC 7200	Research Design	
CMPS 6160	Introduction to Data Science	
EENS 6150	Intro to GIS	
EENS 6030	Advanced GIS	
MATH 6040	Linear Models	
MATH 6080	Intro to Statistical Inference	
MATH 7310	Applied Mathematics I	
MATH 7360	Data Analysis	
MGSC 7310	Modeling and Analytics	
MGSC 7340	Web Analytics	
MGSC 7520	Advanced Modeling and Analytics	
POLS 7112	Quantitative Methods I	
POLS 7112	Quantitative Methods I	
POLS 7114	Qualitative Methods	
<b>One Additional Elective from the Following</b>		<b>3</b>
ECON 6680	Economics of Poverty	
ECON 6300	Regulation	
ECON 6330	Intl Trading Relations	
ECON 6500	Health Econ & Policy	
ECON 6520	Econ Public Expenditures	
ECON 6530	Economics of Taxation	
ECON 6540	Public Finance & Public Policy	
ECON 6560	Comparative Economic Systems	
ECON 6580	Labor & Pop In L.A.	
ECON 6590	Econ Devel of Latin America	
ECON 6600	Inequality and Poverty in Latin America	
ECON 6650	Labor & Population in Lat Amer	

ECON 6660	Seminar On Latin American Countries
ECON 6710	Economics of Education Policy and Reform
PHIL 6510	Theories of Economic Justice
POLS 7116	Dissertation Prospectus Seminar
SOCI 6130	Race, Crime and Control

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**Total Credit Hours****30**