

DATA ANALYTICS FOR PUBLIC POLICY, CAS

Contact

Independent Admission: Emily Rutherford, Associate Director of Admissions 315-443-2319 maxenroll@syr.edu

Concurrent Admission: Emily Alber Chase, Associate Director of Student Services, Public Administration and International Affairs *315-443-4000* paia@syr.edu

Advising: Saba Siddiki, Ph.D., Associate Professor and Director, Public Administration and International Affairs, ssiddiki@syr.edu

Program Description

The 12-credit, graduate-level Certificate of Advanced Study (CAS) in Data Analytics for Public Policy is an educational program that provides students the opportunity to develop advanced skills in managing and analyzing large amounts of data and employing policy analysis frameworks to inform public sector decision-making.

The program also provides students familiarity with the policy and governance issues raised by the use of new forms of data. To earn this certificate, students complete a required 3-credit course in the Data Driven Decision Making, and 9 additional credits of graduate coursework selected from a list of accepted courses. At least 9-credit hours of work must be completed in courses with a PAI prefix.

Students already in a graduate program can earn this Certificate concurrently with their master's or doctoral degree. The Certificate may also be completed as an independent graduate program.

Admissions Information

Admission requirements are identical to requirements for the Syracuse University MPA Program.

Student Learning Outcomes

1. Assess ways data generated by emerging technologies can inform organizational decision-making and public sector challenges
2. Understand how to access and manage data generated by emerging technologies
3. Master and apply analytic frameworks and methods relevant for addressing public sector challenges
4. Understand public policy issues raised by expanding use of big data and algorithmic decision making as well as options for addressing these issues

Requirements

To earn this certificate, students complete a required 3-credit course in the Data Driven Management in Public Organizations, and 9 additional credits of graduate coursework selected from a list of accepted courses.

At least 9 credit hours of work must be completed in courses with a PAI prefix.

Select three Elective Courses from the following: 9-10

GEO 683	Geographic Information Systems
GEO 684	GIS for Urban Environments
GEO 686	Quantitative Geographic Analysis
IST 664	Natural Language Processing
IST 718	Big Data Analytics
IST 719	Information Visualization
IST 736	Text Mining
PAI 774	Public Policy and Program Evaluation
PAI 789	Advanced Policy Analysis
PAI 793	Predictive Analytics

Code	Title	Credits
Required Course		
PAI 724	Data Driven Decision Making	3