SPATIAL ANALYSIS AND DESIGN, ADVANCED CERTIFICATE

This 12-credit Advanced Certificate program offered by the School of Information in collaboration with Pratt's Spatial Analysis and Visualization Initiative (SAVI) is designed for students who wish to pursue careers in the rapidly emerging field of spatial analysis and visualization. Throughout the program, students explore and analyze spatial data, develop technical mapping skills, and learn to apply visual design principles to their research output.

Application Requirements

This advanced certificate can be taken within the School of Information's MS in Library and Information Science and MS in Data Analytics and Visualization. It can also be taken as post-bachelor's program. Applicants to the post-bachelor's program must:

- hold a baccalaureate degree from an accredited university;
- have superior scholastic records or otherwise give evidence of ability to perform work on the graduate level and are expected to offer evidence of maturity and leadership for the profession;
- submit the online application form, nonrefundable application fee, and official transcripts (uploaded online at application);
- submit a statement of purpose describing interest in the program as well as personal goals (approximately two pages);
- submit a current résumé online; and
- request two letters of recommendation on the application from employers, professors, or others able to judge the applicant's potential for graduate study.

Code	Title	Credits
Required Courses		
INFO-609	Introduction to Spatial Thinking & GIS	3
or PLAN-702A	GIS I: Fundamentals	
INFO-612	Advanced GIS	3
Elective Courses		
Select two of the following:		6
INFO-614	Programming Interactive Web Maps	
INFO-615	Spatial Statistics for GIS	
INFO-628	Data Librarianship and Management	
INFO-640	Data Analysis	
INFO-658	Information Visualization	
INFO-696	Advanced Projects in Visualization	
INFO-697	Special Topics (With Permission)	
INFO-699	Independent Study	
ARCH-870C	Critical Geography and Techniques of Representation	
or UD-993	Urban Data Design	
PLAN-702B	Advanced GIS	
PLAN-702C	Continuing Gis	
PLAN-801B	Special Topics in Planning II	
PLAN-808A	Independent Study in Planning I	
PLAN-808B	Independent Study in Planning II	
PLAN-808C	Independent Study in Planning III	
SS-560	Space and Power	
Total Credits		**12**