

# GEOGRAPHIC INFORMATION SYSTEMS, CERTIFICATE

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## Certificate in Geographic Information Systems

gis.jhu.edu (<http://www.gis.jhu.edu>)

The Online Certificate in Geographic Information Systems equips students with the knowledge they need to pursue new opportunities created by the expanding demand for geospatial professionals and data analytics experts. The five-course certificate program explores the principles and real-world applications of geospatial technology and data science in a convenient, fully online course format.

The Certificate offers you a foundation in the fascinating fields of Web GIS, geospatial data science, spatial and predictive analytics, programming and application development. You will gain invaluable experience in geospatial technology, utilizing web-based platforms and cloud computing environments, to further your understanding of the digital transformation that is revolutionizing business, government, industries, and social organizations.

**Admissions Criteria for all Advanced Academic Programs** (<http://e-catalog.jhu.edu/arts-sciences/advanced-academic-programs/enrollment-services/admission/>)

### PROGRAM SPECIFIC REQUIREMENTS

In addition to the materials and credentials required for all programs, the Certificate in Geographic Information Systems program requires:

1. Quantitative Background – a semester of statistics, quantitative methods or technology oriented experience.

Students who do not have the necessary quantitative background may be offered provisional admission if their other credentials are strong. Students who are admitted provisionally due to lack of quantitative skills have the option to:

1. Take appropriate courses at an accredited college/university.
2. Take AS.420.301 Quantitative Methods.

### PROGRAM REQUIREMENTS

Code	Title	Credits
AS.430.600	Web GIS	4
AS.430.601	Geographic Information Systems (GIS)	4
AS.430.603	Geospatial Statistics	4
AS.430.604	Spatial Analytics	4
AS.430.606	Programming in GIS	4