

Geographic Information Systems Certificate

Geographic information systems (GIS) display and manage all types of data over time, usually in the form of maps, charts and reports that help with the analysis of patterns and trends.

GIS technology, easily integrated into any organization's information system, provides a quick and effective method for sharing data visually and for solving spatial problems. GIS is widely used in many fields and industries, including environmental science, architecture, engineering, medicine, municipal government, public health, social work, business, and a variety of research enterprises.

The 18-unit **Certificate in Geographic Information Systems** teaches both fundamental and advanced concepts and skills, including the design of GIS projects, the operation of software, cartographic output, spatial analysis, and industry-specific applications of GIS. The certificate targets working professionals seeking course work and skill enhancement in the field, as well as students wishing to complement their academic interests with additional training in GIS.

Students are able to complete this certificate online, however, course availability may vary depending on the semester.

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