

# GEOGRAPHIC INFORMATION SYSTEMS FOR URBAN & COMMUNITY PROFESSIONALS 1 (GIS UCP 1), GRADUATE MICROCREDENTIAL

This 6-credit microcredential can also be used toward the elective requirements for the Master of Urban Planning degree (<https://uwm.edu/sarup/urban-planning/mup/>).

The GIS UCP 1 graduate-level microcredential will introduce students to skills needed to apply geographic information systems (GIS) in government agencies, community organizations, companies, and other professional settings. These skills include spatial data collection and creation, projections, spatial database analysis tools, and cartographic design. It is intended to provide students familiarity with GIS software so that they can apply GIS in professional projects. The microcredential will provide a solid platform to build more detailed GIS skills and knowledge through additional classes or work experience.

## Admission Requirements

### Application Deadlines

Application deadlines vary by program, please review the application deadline chart (<http://uwm.edu/graduateschool/program-deadlines/>) for specific programs. Other important dates and deadlines can be found by using the One Stop calendars (<https://uwm.edu/onestop/dates-and-deadlines/>).

## Credits and Courses

Code	Title	Credits
<b>Required Courses</b>		
URBPLAN 791	Introduction to Urban Geographic Information Systems for Planning	3
URBPLAN 792	Using Urban Geographic Information Systems (GIS) for Planning	3
<b>Total Credits</b>		<b>6</b>

GIS UCP 1 is stackable with the following two other GIS microcredentials:

- Geographic Information Systems for Urban & Community Professionals 2 (GIS UCP 2) (<https://catalog.uwm.edu/arts-architecture/architecture-urban-planning/urban-planning/geographic-information-systems-urban-community-professionals-2-graduate-microcredential/>). This microcredential consists of two courses covering more advanced, practically-oriented GIS applications. It is offered by the Department of Urban Planning.
- Geographic Information Science and Spatial Analysis (GIS SA) (<https://catalog.uwm.edu/letters-science/geography/geographic-information-science-spatial-analysis-graduate-microcredential/>). This microcredential consists of two courses focused on displaying spatial data and performing spatial analyses using GIS. It is offered by the Department of Geography.

For those who develop an interest in furthering their GIS knowledge through classes at UWM, this 6-credit microcredential consists of courses that count towards the Tier 1 and Tier 2 requirements of the 18-credit Graduate Certificate in Geographic Information Systems (<https://uwm.edu/gis-certificate/graduate-certificate/certificate-requirements/>).