

# GC, Geographic Information Systems

## Statement of Program Purpose

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The goals of the GIS Certificate Program are (1) to provide working professions with expanded knowledge and strengthened technical skills which will enable them to more fully appreciate, understand, and use geographic information systems (GIS) and related technologies; and (2) provide working professionals with the knowledge and technical skills needed to improve their job performance at their workplace.

## Intended Outcomes/Objectives

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1. Working professionals completing the GIS Certificate Program will have expanded knowledge in the concepts of and strengthened technical skills in the use of GIS and related technologies. This includes the use of GIS hardware and software; data collection; data structures and storage; vector and raster data analysis; cartographic composition, design, display and visualization; data reporting, presentation, and map production; remote sensing applications; image rectification and classification; and image processing techniques.
2. Working professionals completing the GIS Certificate Program will have improved their job performance at their workplace by applying and incorporating their newly acquired knowledge to their workplace projects.

## Assessment Procedures and Criteria

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1a. Ninety percent or greater of those working professionals who complete the GIS Certificate Program will “agree” or “strongly agree” with the following statement: “I feel that the GIS Certificate Program expanded my knowledge of the concepts of GIS and related technologies.”

1b. Ninety percent or greater of those working professionals who complete the GIS Certificate Program will “agree” or “strongly agree” with the following statement: “I feel that the GIS Certificate Program strengthened my skills in the use of GIS and related technologies.”

2a. Ninety percent or greater of those working professionals who complete the GIS Certificate Program will “agree” or “strongly agree” with the following statement: “I feel that by applying and incorporating the knowledge acquired by completing the GIS Certificate Program, I have improved my job performance at my workplace.”

2b. Ninety percent or greater of the employers of those working professionals who completed the GIS Certificate Program will “agree” or “strongly agree” with the following statement: “I feel that the GIS Certificate Program improved the job performance of the employee who completed the GIS Certificate Program.”