

# GEOGRAPHIC INFORMATION SYSTEMS (GIS), PROFICIENCY AWARD

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Geographic Information Systems (GIS) is an integrating technology of various geospatial technologies (including digital mapping, spatial database management, remote sensing imagery, global positioning systems and route finding) that utilize cartographic, geographic, and discipline specific techniques and knowledge to support decision making and analysis in a wide array of career fields. These areas of study and employment include land surveying, crime fighting, market analysis, retail site selection, biological resource management, public works infrastructure mapping and maintenance, geological surveys, landscape architectural design, transportation planning, and any field where knowing where your assets or features are located is involved.

Course ID	Title	Units/ Hours
<b>Required Courses</b>		
GIS/GEOG V22	Fundamentals of Mapping and Geographic Information Systems	3
GIS/GEOG V26	Introduction to Geographic Information Systems Software	2
GIS/GEOG V28A	Geographic Information Systems (GIS): Project Development	1.5
GIS/GEOG V28B	Geographic Information Systems (GIS): Advanced Project Development	1.5
<b>Total Units</b>		<b>8</b>