



CURRICULUM GUIDE 2012-2013

GEOGRAPHIC INFORMATION SYSTEMS (GIS)

Certificate of Accomplishment in Geographic Information Systems (GIS)

Requirements for Certificate of Accomplishment:

- a) Complete satisfactorily the courses listed for the particular certificate.
- b) Complete at least 50% of the required units at Ohlone College.
- c) Maintain a 2.0 grade point average.

GEOGRAPHIC INFORMATION SYSTEMS (GIS)

GIS is a computer-based database management system for capture, storage, retrieval, analysis, and display of spatial data. Students who complete this program will be better prepared to map data for decision-making in business, environmental protection, risk assessment, utility planning and management, emergency response, land use planning, transportation planning, delivery route planning, real estate, and crime prevention.

Student Learning Outcomes

1. Distinguish the characteristics and key principles of geography, specifically the subdivision of cartography.
2. Develop an understanding of uses, organization, and analysis of geographical data.
3. Select appropriate techniques and technology to analyze geographic problems.
4. Demonstrate technical skills in data management including data input, editing, query, analysis, and display.
5. Produce and arrange a GIS project using GIS technical skills.

GEOG-101	Physical Geography	4
GEOG-120	Introduction to Global Positioning Systems (GPS)	1
GEOG-121	Introduction to Geographic Information Systems (GIS)	<u>2</u>
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