Program Student Learning Outcomes

College:  Atmospheric and Geographic Sciences  
Program:  Geographic Information System, BS

• Students completing the bachelor’s degree in geography will be able to identify a research problem, choose appropriate methodologies, analyze data, put or place the findings in a disciplinary context, and present the results in written, graphic, and oral formats. The level of performance will compare favorably with peer institutions.

• Graduates will be able to discuss knowledgeably the world’s human systems, including interrelationships and spatial patterns of culture, society, political systems, and economies. Students will be able to discuss the processes that create these interrelationships and produce the observed spatial patterns.

• Graduates will be able to discuss knowledgeably the world’s physical systems, especially the interrelationships and spatial patterns of climate, hydrology, soils, vegetation, and landforms. Students will understand the processes, which define these interrelationships and produce the observed patterns.

• Graduates will be able to demonstrate their mastery of basic geographic techniques of investigation including library research, cartography, air photo interpretation, remote sensing, geographic information systems, analytic methods, and field study, and to apply them in a real world setting.

• Graduates will be able to discuss knowledgeably the interdependence of the world’s physical and human systems and understand the linkages between the two.”