PROPOSED PROGRAM – 2015 UNIVERSITY CATALOG

Geographic Information Science (Post-Bachelor's Certificate)

College College of Arts and Sciences

Department Department of Geography
413 McGilvrey Hall
Tel: 330-672-2045
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Description The post-bachelor's certificate in Geographic Information Science is offered online only and will prepare graduates to work in the geospatial technology industry, as well as allied industries that rely on employees who are highly trained in this technology. Prospective employers are private and public sector entities that need to (a) manage large systems and big geospatial data, (b) map and analyze health data and (c) map and analyze environmental conditions and resources. Examples of such employers are local, state and federal government agencies; business that focus on logistics, marketing and engineering; and non-profit agencies in health services and environmental management.

Admission Requirements Official transcript(s), minimum 3.000 undergraduate GPA; undergraduate degree in geography or a related field*; goal statement and two letters of recommendation. Please refer to the University policy for graduate admissions.

*This requirement may be waived with evidence of professional experience using geospatial technologies or alternative evidence of ability to excel in a Geographic Information Science graduate degree program.

Graduation Requirements Minimum 17 credit hours and minimum 3.000 GPA.

CERTIFICATE REQUIREMENTS (17 credit hours)				
Course		**Title**	**Credits**	**Curriculum Notes**
GEOG	59076	Geographic Information Science	4	existing
GEOG	69082	Advanced Geographic Information Science	3	existing
GEOG	69083	Cartographic Design	4	new
Choose from the following:			6	
GEOG	69004	Quantitative Methods (3)		Name change
GEOG	69007	Spatiotemporal Analytics (3)		new
GEOG	69079	Environmental Geographic Information Science (3)		new
GEOG	69082	CyberGIS (3)		formerly 59082
GEOG	69083	Geodatabases (3)		new
GEOG	69231	Environmental Remote Sensing (3)		new
DSCI	64210	Data Science (3)		existing
CS	61002	Algorithms and Programming 1 (3)		existing
		MINIMUM TOTAL	**17**	

GEOG
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