

# Geographic Information Sciences Certificate

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For information, contact the Department of Geography, Shideler Hall Room 118B, 513-529-5010.

This certificate program focuses on the theory and techniques of geographic information science (GISci). Geographic Information Science (GISci) is a suite of techniques for collecting, analyzing, and communicating information through geographic information systems (GIS), satellite and aerial imaging (Remote Sensing), global positioning systems (GPS), and related technologies. GISci is applied to problems in fields ranging from environmental science to urban planning to business decision-making. This certificate program builds qualifications for employment and/or further study in GISci.

## Program Requirements

(12 credit hours)

Code	Title	Credit Hours
<b>Required courses</b>		
GEO 541 or GEO 610	Geographic Information Systems <sup>1</sup> Research in Geography	3
GEO 542	Advanced Geographic Information Systems	3
GEO 543	Python Programming for Geospatial Applications	3
GEO 548	Techniques and Applications of Remote Sensing	3
<b>Total Credit Hours</b>		<b>12</b>

<sup>1</sup> Students who start program with Intro GIS knowledge may start with GEO 542 and finish with GEO 610.