

# GEOGRAPHIC INFORMATION SYSTEMS POSTBACCALAUREATE CREDIT CERTIFICATE PROGRAM

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## Certificate Requirements

Requirements listed here are in addition to requirements listed in Graduate Council policy GCAC-212 Postbaccalaureate Credit Certificate Programs (<http://gradschool.psu.edu/graduate-education-policies/gcac/gcac-200/gcac-212-postbaccalaureate-credit-certificate-programs/>).

Students earn the Postbaccalaureate Certificate by completing four instructor-led online courses – three required and one elective. Students who successfully complete the program earn 12 academic credits.

Code	Title	Credits
<b>Prescribed Courses</b>		
GEOG 482	Making Maps That Matter With GIS	3
GEOG 483	Problem-Solving with GIS	3
GEOG 484	GIS Database Development	3
<b>Electives</b>		
Select one of the following:		3
GEOG 485	GIS Programming and Software Development	
GEOG 486	Cartography and Visualization	
GEOG 487	Environmental Applications of GIS	
<b>Total Credits</b>		<b>12</b>