

GEOSPATIAL PROGRAMMING AND WEB MAP DEVELOPMENT GRADUATE CREDIT CERTIFICATE PROGRAM

Certificate Requirements

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

Code	Title	Credits
Required Courses		
GEOG 485	GIS Programming and Software Development	3
GEOG 863	Web Application Development for the Geospatial Professional	3
GEOG 585	Open Web Mapping	3
Electives		
Choose 6 credits from:		6
GEOG 486	Cartography and Visualization	
GEOG 489	Advanced Python Programming for GIS	
GEOG 868	Spatial Database Management for the Geospatial Professional	
GEOG 865	Cloud and Server GIS	
Total Credits		15