

East Central University
 CERTIFICATE in G.I.S.
 CODE = 5140

Student Name: _____	Student ID # _____
Student Major: _____	Major Advisor: _____
Must earn three hours of upper division work at ECU towards minor for residency requirements.	Minor Advisor: _____
*Stand-Alone Certificates are separate from a major and do not require enrollment in a particular program	Program/Degree Certificate/Minor is embedded in, if any: _____

Requirements	Hours
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Courses are designated general education courses.

General Education

No course can count for Major, Minor and General Education

VIII. Certificate in Geographic Information Systems*	12
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A. Required Courses

GIS	2253	Initial Concepts in GIS
GIS	3613	Digital Mapping
GIS	3953	Spatial Analysis
GIS	4953	Automating GIS Workflows