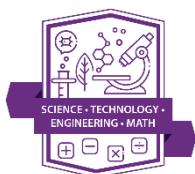


Certificate: Geographic Info Systems LCERT 25-26



ABOUT THIS MAJOR

The GIS certificate program allows geography and other majors to transfer into four-year geography programs having completed a documented specialization in GIS that includes marketable job skills that can be used

concurrently with the pursuit of advanced degrees. The GIS certificate program will benefit persons with previous training in a variety of fields by allowing them to gain new skills that can be applied in their place of employment. GIS is a multibillion-dollar industry employing hundreds of thousands worldwide in many fields, including Environmental Sciences and Protection, Regional and Urban Planning, and Transportation. For more information, visit the [Mathematics, Sciences, and Engineering](#) division.

TO EARN A Certificate A STUDENT MUST COMPLETE THE FOLLOWING:

- [1] Completion of Major & Program Electives Courses
- [2] Minimum grade point average of 2.0
- [3] A C or better in all courses required for the major

Certificate- Geographic Info Systems LCERT

[Total Units in the Major 15]

Required Courses, complete ALL courses (15 units)	
GEOG205 - Intro Geographic Info Systems	3
GEOG220 - Data Acq & Mgt in GIS	3
GEOG221 - Spatial Analysis in GIS	3
GEOG222 - Cartography for GIS	3
GEOG298C - Special Studies in GIS	3

RECOMMENDED PATHWAY

Geographic Info Systems LCertificate

The Recommended Plan of Study is determined by the discipline faculty. Take classes in Summer or Intersession if needed to complete your degree in a timely manner!

Fall/Spring: Max 19 units | Summer: Max 9 units | Intersession: Max 6 units

☒ Major

SEMESTER 1

Course	Units
<input checked="" type="checkbox"/> GEOG 205	3
Total Units	3

SEMESTER 2

Course	Units
<input checked="" type="checkbox"/> GEOG 220	3
<input checked="" type="checkbox"/> GEOG 221	3
Total Units	6

SEMESTER 3

Course	Units
<input checked="" type="checkbox"/> GEOG 222	3
<input checked="" type="checkbox"/> GEOG 298C	3
Total Units	6
Total Certificate Units	15