

Post-Baccalaureate Certificate Geographic Information System (GIS)

The Post-Baccalaureate Geographic Information System (GIS) is a certificate program that provides students with a critical foundation in geographical mapping theory, up-to-date technology in spatial analysis tools programming skills, and working knowledge of data management and big data applications in GIS. This certificate program offers students a convenient pathway to acquiring a recognized credential for GIS competency or to updating skills in the rapidly advancing field of GIS. This certificate program is suitable for students who have completed an undergraduate degree in any field.

A total of 12-semester units are required for the Post-Baccalaureate GIS Certificate.

Policy: According to the Cal State LA certificate policy, Post-Baccalaureate students are allowed to transfer up to 3 credit units (25%) from another university. Thus one course taken within five years of their starting date for this certificate program may be transferred into this program. This would typically be a substitute for the first class in the sequence, GEOG 3690, Fundamentals of Geographic Information Systems.

Curriculum (12 units):

Required Course: (3 Units)

GEOG 3690 Fundamentals of Geographic Information Systems

Electives (9 units, choose one from each category)

Analysis and Modeling: (3 Units)

GEOG 4690 Spatial Analysis and GIS modeling **or**
GEOG 4700 GIS Programming and Customization

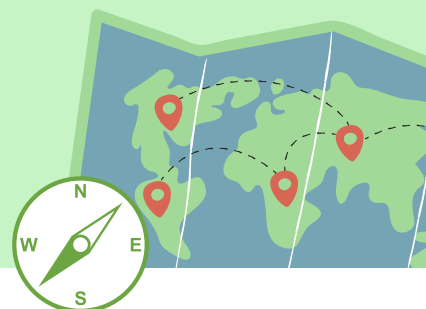
Methods and Techniques: (3 Units)

GEOG 4660 Remote Sensing **or**
GEOG 4710 GIS Database Management **or**
GEOG 5600 – Seminar: Methods and Techniques in Geography

Application: (3 Units)

GEOG 4620 Geographic Information Systems (GIS) Applications **or**
GEOG 4680 Digital Cartography **or**
GEOG 5980 – Graduate Directed Study

Total: 12 Units



Admission Requirements:

- To apply for the Post-Baccalaureate Certificate Program in GIS, students must fill out the application when they are ready to apply for their certificate. They can obtain the certificate application at the department office.
- Students need to submit the completed certificate application to the Department Chair and a receipt for the \$25 fee paid to the Cashier Office for the certificate application.
- To meet the minimum requirement, students need a 3.0 average among their selected courses to have the certification granted.
- Students also need to apply for the certificate program through the university at Cal State Apply - <https://www.calstate.edu/apply> if they are not in a graduate program at Cal State LA.