The Geographic Information Science (GIS) certificate combines course in GIS, Remote Sensing, Quantitative Geography, Cartography and Visualization.

Students should consult with the Undergraduate Advisor for program admission. Formal approval is required before completion of the certificate.

Students may take the certificate in conjunction with an undergraduate degree or on its own. The certificate is an independent credential, but courses used for the certificate may also be applied to a degree program. Students can apply for the certificate in the semester in which it is completed, not necessarily in the semester in which they apply for graduation in the degree program.

While overlap between a certificate and a degree is allowed, credits applied to one certificate may not be applied to another SFU certificate or diploma. Therefore, students registered in more than one certificate should ensure that there is no overlap of courses between certificates.

Course Requirements

To qualify for the certificate, students must complete the following courses:

all of:

GEOG 251-3	Quantitative Geography
GEOG 253-3	Introduction to Remote Sensing
GEOG 255-3	Geographical Information Science I

And three of the following:

GEOG 351-4	Multimedia Cartography
GEOG 352-4	Spatial Analysis
GEOG 353-4	Advanced Remote Sensing
GEOG 355-4	GIScience II
GEOG 356-4	Geovisualization
GEOG 451-4	Spatial Modeling
GEOG 453-4	Theoretical & Applied Rem Sensing
GEOG 455-4	Theoretical and Applied GIS
GEOG 457-4	Geovisualization Interfaces

A cumulative grade point average of 2.0 is required in the courses used for the certificate.

Each student is responsible for ensuring that his or her academic choices meet the requirements for graduation. All requirements are outlined in the SFU Calendar (https://www.sfu.ca/students/calendar). Advisors are available to provide guidance. However, the student has the ultimate responsibility for compliance with and completion of the program and degree requirements and for observing regulations and deadlines.