

GEOSPATIAL HEALTH, POST-BACCALAUREATE CERTIFICATE

Saint Louis University's geospatial health certificate is a 12-credit training program that provides students the public health and geographic information systems (GIS) coursework to identify and better understand the role that location has on health behaviors and outcomes. SLU students will develop skills in mapping, analyzing data and using spatial data to answer some of public health's most challenging problems. This certification is for graduate students from a variety of health and social science disciplines, working professionals seeking geospatial analysis skills and students taking a "gap year."

Curriculum Overview

SLU's Geospatial Health Certificate is a 12-credit program that includes core public health and GIS courses with a capstone course, Place and Health.

Fieldwork and Research Opportunities

Students will have opportunities to work with faculty and advisors focused on research projects in community- and government-based health care and public health settings.

Careers

Students who complete SLU's Geospatial Health Certificate will be well-positioned for jobs in data science, health planning and public health research and practice, as well as other fields that intersect with GIS, including hospital and health care administration and urban planning.

Admission Requirements

Applicants should have a bachelor's degree, preferably with a 3.00 grade point average. Applications are reviewed on a holistic and rolling basis. Applicants will apply through SOPHAS Express (<https://sophasexpress.liaisoncas.com/applicant-ux/#/deeplink/programSearch/organization/5077527303125433344>), the common application system for public health schools and programs.

Tuition

Tuition	Cost Per Credit
Graduate Tuition	\$1,450

Additional charges may apply. Other resources are listed below:

Information on Tuition and Fees (<https://catalog.slu.edu/academic-policies/student-financial-services/tuition/>)

Miscellaneous Fees (<https://catalog.slu.edu/academic-policies/student-financial-services/fees/>)

Information on Summer Tuition (<https://catalog.slu.edu/academic-policies/student-financial-services/tuition-summer-current/>)

Scholarships and Financial Aid

For more information about Saint Louis University scholarships and financial aid, please visit the Office of Student Financial Services (<https://www.slu.edu/financial-aid/types-of-aid/>).

Accreditation

Saint Louis University's College for Public Health and Social Justice is fully accredited by the Council on Education for Public Health (CEPH). To see our most recent accreditation documentation, please visit the College for Public Health and Social Justice website (<https://www.slu.edu/public-health-social-justice/about/accreditation.php>). (<https://www.slu.edu/public-health-social-justice/about/accreditation.php>)

Learning Outcomes

1. Graduates will be able to identify and locate data, compile the data into a geodatabase, perform analysis, produce GIS output, and model lattice and spatial-point data.
2. Graduates will be able to design, implement and present a health-focused GIS-based research project.
3. Graduates will be able to critically analyze research findings and health and social policies to better understand how to improve problem-solving and decision-making about health and community resources.

Requirements

Code	Title	Credits
GIS 5010	Introduction to Geographic Information Systems	3
PUBH 5500	Place and Health	3
<i>Choose one of the following:</i>		3
HMP 5000	Health Care Organization (Elective)	
HMP 5500	Health Policy	
<i>Choose one of the following:</i>		3
GIS 5030	Geospatial Data Management	
GIS 5090	Introduction to Programming for GIS and Remote Sensing	
Total Credits		12

Continuation Standards

Students must maintain a cumulative grade point average (GPA) of 3.00 in all graduate/professional courses.

Roadmap

This roadmap is just one example of a semester-by-semester plan of study for this program. There are other plans students can and do take. The plan of study for each particular student is established in consultation with each student's academic advisor; *this roadmap does not replace academic advising appointments.*

Roadmap notes:

- This Roadmap assumes full-time enrollment unless otherwise noted.
- Courses/Milestones marked with an "I" are critical and must be completed in the semester listed in the Roadmap to ensure a timely graduation.
- Course availability and sequencing are subject to change.

Course	Title	Credits
Year One		
Fall		
GIS 5010	Introduction to Geographic Information Systems	3
Elective		3
Credits		6
Spring		
PUBH 5500	Place and Health	3
Elective		3
Credits		6
Total Credits		12

Program Notes

Alternatively, this certificate can be completed part-time over two years, taking one course per semester.

Contact Us

Apply for Admission (<https://sophas.liaisoncas.com/applicant-ux/#/deeplink/programSearch/organization/6425937835738032128>)

For questions about applying to one of our graduate programs, contact the College for Public Health and Social Justice admissions via cphsjgrad@slu.edu.