While studying geographic information science (GIS) you will develop an in-depth understanding of spatial analysis and the art of digital map-making that complements discipline-specific knowledge. GIS has become a key approach to an increasingly large number of endeavors, from land-use planning and environmental management to epidemiology through law enforcement.

Geographic information science relies on geospatial technologies and research that include internet mapping, in-vehicle navigation systems, digital cartography, imagery taken by airplanes and satellites, spatial analysis and modeling of social and natural processes, and visualization and data mining of complex information. This minor will improve your marketability and open up opportunities for intellectual and professional development.

**The College of Liberal Arts Advantage**
When you study Geographic Information Science at the University of Minnesota, you gain the added [advantage of a College of Liberal Arts education](https://www.cl.umn.edu). At CLA, the liberal arts mean you get more than just a degree in one major or another; it means you will be exposed to different areas of study, to different ways of thinking and learning. In fact, the liberal arts teach you **how to learn**—how to ask the right questions, how to problem solve, and how to innovate. The liberal arts prepare students for the complexities of our world, because here at CLA you will study not just, say, politics or art but also where politics and art intersect, where science and ethics intersect, where economics and the environment intersect.
Student Experiences

**Internships: Gain Valuable Experience in the Twin Cities and Beyond**

Did you know? CLA Career Services has its very own internship reflection course! Students taking an internship can use this course to reflect on ways that their work experience is preparing them for successful careers - and receive credit for the work.

**Learning Abroad: Prepare to Lead in a Global Economy**

Learn more about [study abroad options](#) for CLA majors and minors.

**Undergraduate Research: Shape Your Curiosity into New Knowledge**

The University has funding opportunities available for undergraduates who wish to gain research experience. Programs such as the Undergraduate Research Opportunities Program (UROP) gives undergraduate students the chance to work closely with faculty members on research projects. Full information about this can be found in [Undergraduate Research Opportunities](#).

**Student Organizations: Find Friends and Grow as a Leader**

With more than 900 student groups on campus, you will have lots of opportunities to find friends and grow as a leader within an organization! Search for organizations via [Gopher Link](#).

**Meet Our Alumni**

**CLA Graduates: Successful Careers and Purposeful Lives**
CLA graduates succeed in many different careers — law, health care, medicine, business, government, teaching, advertising, arts and entertainment, international relations, and more — precisely because they understand how to navigate a complex and interconnected world. As our alumni explain below, “Being a good employee means being curious, and continuing to evolve, and learn, and educate yourself, and I can think of no stronger foundation for doing that than a liberal arts education.”

“An education in the liberal arts is a springboard to lifelong career success”
-- Dean John Coleman

You might also explore

Environmental Sciences, Policy and Management
Geography
Landscape Design and Planning

Associated Careers

Surveyor, Cartographer, Mapping and Surveying Technician