Learning Objectives

General Skills and Breadth

- Develop the ability to manage one’s time, work independently, take initiative, and collaborate.
- Develop the ability to think critically, analyze, synthesize, and use information to solve problems.
- Acquire broad knowledge in the humanities, social sciences, mathematics, and physical sciences, and understand the relevance of these disciplines to geodesign at the intersection of the spatial sciences, architecture, and urban planning.
- Develop the ability to communicate ideas and articulate positions orally and in writing.
- Develop facility in the use of computer applications and the Internet.

Scientific and Design Skills

- Develop an understanding of the myriad ways in which places can be constructed, interpreted, and experienced by different people (i.e., migrants, people of color, the elderly, the poor, teenagers, toddlers, working adults, and more).
• Learn about the principles of design and how these can be used as a force for good in building healthy, livable and sustainable communities.
• Learn how urban and regional planning provides a framework promoting civic engagement and collective action.
• Develop an understanding of how geographically referenced data can be gathered and organized to support a large number and variety of collaborative projects.
• Learn how geospatial data can be analyzed, modeled and visualized to inform design and planning and by doing so, support public participation and urban development.
• Learn how form and function co-exist and evolve in urban settings and how globalization connects near and far-away places and actions.

Ethics/Society

• Be able to place spatial and geographic knowledge into an ethical context, especially how spatial sciences and geodesign principles can contribute to the resolution of ethical, social, and environmental issues.

After Graduation

• Develop a sufficient depth of knowledge and abilities in preparation for entry-level employment in a wide variety of fields, or for graduate study in the spatial sciences or other related disciplines.