

# GLOBAL GEODESIGN

Global Geodesign is a pioneering major to prepare students with the integrative ability to analyze the role of place, space, and time in order to address issues of environmental sustainability and human well-being on neighborhood, regional, and global scales in multidisciplinary and multi-dimensional ways. Students engage with programs at the Amsterdam University College/Vrije University Amsterdam consortium in the Netherlands and Peking University in China to undertake coursework, research-based field work, intensive studios, and a rich extracurricular program.

## BACHELOR OF SCIENCE (BS) GENERAL OVERVIEW

Core courses in Architecture, Planning, and Spatial Sciences:

- Principles of Microeconomics
- Foundations of Statistics
- Statistics for the Spatial Sciences
- Visualizing and Experiencing the Built Environment
- Principles of Spatial Design I and II
- World History of Architecture
- Urban Planning and Development
- History of Planning and Development
- Designing Livable Communities
- Maps and Spatial Reasoning
- Geographic Information Science: Spatial Analytics
- Geographic Information Science: Geospatial Modeling and Customization
- GeoDesign Practicum Capstone Course

Additional Global Geodesign sequence:

- Principles of GeoDesign
- Global Geodesign and Stakeholder Engagement
- Comparative Sustainability Theory and Practice for Geodesign
- International GeoDesign

## ACADEMIC OPPORTUNITIES

**Faculty-Led Research:** Under the direction of faculty, students have the opportunity to work on and contribute to research that addresses problems of sustainability, health, urban planning, and human safety and security.

**International Coursework:** Embedded in the curriculum are a series of intensive studios in Europe and Asia. Students participate in research-based courses to explore and apply Geodesign practice in an international setting.

**Capstone Course:** All students take on a capstone experience during their senior year, which requires them to use their knowledge and skills on a real project with a real client.