

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.