

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 receive an unparalleled multi-cultural experience of learning and training with faculty, peers, and industry leaders with expertise and backgrounds in geopolitically important areas of the world. In the curriculum, Global Geodesign majors will delve into perspectives and approaches that transcend the boundaries of the United States to promote global environmental sustainability.

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
- 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:

- World History of Architecture
- 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 study: Students will participate in two International Geodesign Maymester courses where they can gain a truly global perspective through the comparison of governmental, sociopolitical, environmental, and historical contexts in different parts of the world.

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.