GEODESIGN

An interdisciplinary major that brings together science, policy, and landscape architecture, GeoDesign challenges students to use spatial information set in the context of the built environment and policy. Using design and location-based data, students develop skills that connect place, space, and time to foster collaboration, build consensus, reach decisions, and take actions that create resilient and healthy environments.

BACHELOR OF SCIENCE (BS) GENERAL OVERVIEW

Fourteen required courses:

- **Principles of Microeconomics**
- **Foundations of Statistics**
- **Statistics for Spatial Sciences**
- **Principles of GeoDesign**
- **Visualizing and Experiencing the Built Environment**
- **Principles of Spatial Design I**
- **Principles of Spatial Design 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**

Six electives in the following two categories:

- **Built Environment**
- **Design, Analysis, and Computation**

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: Travel to Amsterdam to study the integration of land management, transportation systems, and ecological conservation through USC Dornsife's Problems Without Passports program.

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.

Conferences and Publications: Students have extensive opportunities to present their work at conferences and to co-author articles with Spatial Sciences Institute (SSI) faculty and collaborators.

Honors: Majors are eligible for departmental honors, university and external fellowships and awards, and induction into the USC chapter of the Gamma Theta Upsilon honor society.

For additional information, please consult the USC Catalogue.

USC Dornsife