

HUMAN SECURITY AND GEOSPATIAL INTELLIGENCE

This innovative major uses critical thinking, geospatial reasoning, and analytical techniques to provide decision makers with informed recommendations and strategies addressing human security challenges. It provides the scientific and technical foundation for evaluating security around the world, creating and gathering geospatial data, and designing solutions that maintain or promote human safety and well-being. Students will engage in a multi-disciplinary approach that combines international relations, public policy, and the spatial sciences.

BACHELOR OF SCIENCE (BS) GENERAL OVERVIEW

Eleven required courses:

- Foundations of Statistics
- International Relations: Introductory Analysis
- National Intelligence and the Shaping of Policy
- Solving Public Problems
- Human Populations and Natural Hazards
- Spatial Data Collection Using Drones
- Maps and Spatial Reasoning
- Statistics for Spatial Sciences
- Spatial Analytics
- Geospatial Modeling and Customization
- Geospatial Intelligence

Capstone course:

- Human Security and Geospatial Intelligence Practicum
- Create conceptual solutions for a real-world human security and geospatial intelligence issue by developing a problem set and recommended solution to the same

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 humanitarian response and relief, global human rights, the detection and prevention of genocide, international border conflicts, public health emergencies, global environmental risks, refugee migration, and crisis management.

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 work on projects in the Spatial Science Institute's Human Security and Geospatial Intelligence Lab and the USC Institute for Creative Technologies. Students can present their work at conferences and co-author articles with SSI faculty and collaborators.

Progressive Master's Degree: Obtain both the Human Security and Geospatial Intelligence Degree and a USC Master's degree in Geographic Information Science and Technology, Spatial Data Science, or Spatial Economics and Data Analysis in just five years.

For additional information, please consult the USC Catalogue.