



2014 Internship **GIS/GPS**

Background

The GIS branch of the Division of Resource Management at Gateway National Recreation Area manages the geospatial data for the entire park. This includes park planning, natural and cultural resources, facilities management, visitor protection and safety, and interpretation. All areas undergo constant change and require mapping and analysis to make informed management decisions.

Description

Although unpaid, this internship provides an exciting opportunity to get hands-on experience using GIS and mapping technology to help the National Park Service protect some of America's most important resources.

Flexible 20 – 40 hour per week internship will combine field and office assignments to include:

- Basic display and analysis of spatial data using ArcGIS 10.1
- Field checks and data base updates to the park's core GIS layers
- Field data collection using Trimble Geo XT (2008) w/ Terrasync
- Shoreline surveys using a Trimble RTK Survey Grade GPS
- Learn and apply NPS data collection and development standards
- Interaction and information sharing with park visitors
- Collaborative work with divisions of Interpretation and Enforcement
- Cooperative work with other federal, state and city agencies
- Final report and presentation summarizing completed work

Students can earn course credit, daily travel expenses covered. (Gas & Tolls)

Requirements

- Basic working knowledge of GIS systems or interest in geography and maps
- Ability to walk long distances on uneven terrain
- Valid Driver's License

Related Classes

GIS/GPS Systems, Geography, Environmental Studies, Urban Studies/Planning, Engineering, Computer Science

Location

Park Headquarters is at Fort Wadsworth on Staten Island (under Verrazano Bridge). Field work will take you to other parts of the park: Staten Island, Brooklyn and Queens (Jamaica Bay), and Sandy Hook in New Jersey.

To apply

Send a cover letter and resume to:
Mark Christiano – GIS Specialist
Mark_Christiano@nps.gov