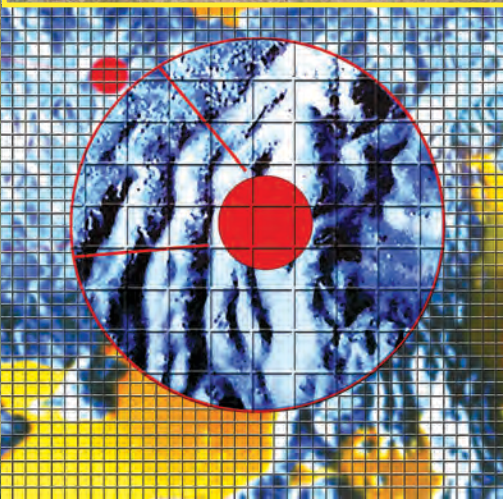# REMOTE SENSING
SPECIALIST

REMOTE SENSING
SPECIALIST

Description:
Remote sensing specialists use basic Geographic Information System (GIS) skills to lead the collation, storage, analysis, and presentation of spatial monitoring data. Specialists work with computers and different types of cameras, including infrared cameras, thermal imagery, and computer analyzed satellite imagery analyze to decipher information from satellite and aerial photographs. An abundance of information can be gathered from this sensory data that is used to map forest and agricultural land, track wildfires, or define pollution areas in bodies of water.

Median Wage:
$59,420

Level of Education:
A.S., B.S., M.S. (favorable)

Examples of Colleges & Affiliated Programs:
Cornell University – Statistical Sciences; Earth and Atmospheric Sciences; Plant Sciences; Computer Science; Science and Technology Studies; Natural Resources
Rochester Institute of Technology (RIT) – Imaging Science; Environmental Management and Technology; Computer Science; Computer Engineering; Environmental Science
Hobart and William Smith Colleges – Computer Sciences; Environmental Studies; Geology

Employers:
Colleges & Universities – Cornell University; SUNY College of Environmental Science and Forestry; Columbia University; Cayuga Community College; Institute for the Application Geospatial Technology (IAGT)
Federal and State Governments – New York State Department of Environmental Conservation; New York State Department of Transportation; New York City Department of Information Technology & Telecommunications; NASA's Commercial Remote Sensing/Earth Science Enterprise; United States Forest Service; United States Geological Survey; Environmental Protection Agency; Fish and Wildlife Agency; United States Bureau of Land Management; United States Army Corps of Engineers; Defense Mapping Agency; Tej Technologies, Inc.
Private Sector – Skyline Software Systems URS Corp.; GeoSearch, Inc.; Delta Consultants; CH2M Hill; Lockheed Martin; American Museum of Natural History

High School/College Courses to Take:
Geographic Information Systems, Geography, Computer Science
Calculus, Statistics, Biometry
Physics, Earth Science, Natural Resources

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Cornell University