DEPARTMENT OF ATMOSPHERIC SCIENCE

Ranked in the top ten by the Chronicle of Higher Education

Offers

PhD in Atmospheric Science
MS in Atmospheric Science
MS in Earth System Science
BS in Earth System Science

Meteorology
GIS & Remote Sensing
Human Dimensions
Working with the SERVIR science team and assisting with their analysis of climate precipitation datasets. Statistically comparing precipitation datasets over the Ganges-Brahmaputra-Meghna River basin and studying the implications these differences hold for scientists and decision makers.
Using remote sensing and GIS to study the human factors of weather and climate

Undergraduate Alma Mater:
Georgia Institute of Technology

Advisor: Dr. Robert Griffin
Using airborne and model aviation platforms for data collection. Applications include precision agricultural crop monitoring, forest ecology and biodiversity observations, emergency services and disaster response, and aerial archaeological surveying.
GIS – REMOTE SENSING

Dr. Robert Griffin
Testing a multi-spectral camera during brief flights of a radio controlled helicopter over Maya ruins at Tikal and Yaxh.
SPACE ARCHAEOLOGY

Climate Impacts on/by Ancient Cultures
Historical Ecosystem Degradation

Dr. Tom Sever
The ancient Maya deforested their landscape through lime plaster production, procurement of fuelwood, and slash-and-burn agriculture. We can simulate ancient agricultural practices to see how they relate to deforestation and locally-experienced climate.