How to Apply
Anyone 18 and over, who is interested in pursuing experience in the Earth sciences and remote sensing, is welcome to apply. This includes currently enrolled students, recent college graduates, early and transitioning career professionals, and current and former U.S. Military service members. Applicants must have a minimum 3.0 GPA on a 4.0 scale at their current or last institution of higher learning and the ability to transport themselves to and from the DEVELOP location. Apply online at https://develop.larc.nasa.gov/apply.php.

Spring 2019 Term
Term Dates: January 28, 2019 - April 5, 2019
Applications Accepted Online: August 27, 2018 - October 5, 2018
Miami is a city of rapid and constant change, some of which is at the expense of its neighboring wetland area, the Everglades. As the largest subtropical ecosystem in the United States, the Everglades are located along avian migratory routes and are home to many endemic plant and animal species. The protection and restoration of this region is critical, not only for ecological reasons, but also for the protection of water recharge resources for future urban water consumption by the 2.5 million residents of Miami-Dade County. The Miami-Dade County Parks, Recreation and Open Spaces Department has embarked on an ambitious planning effort, in partnership with The Trust for Public Land, to develop a Western Greenway system of trails and recreational destinations along the county’s western edge. To assist with Greenway planning efforts, DEVELOP used NASA satellite imagery to derive a vegetation index and a land cover classification map which not only served as model inputs, but also provided tree cover parameters to support specific design and greenway alignment. The results identified the most suitable land for recreation, conservation, and agritourism, with a particular focus on the southern segment, where the majority of agricultural lands were located. This project contributed to decision support tools for planning green infrastructure corridors to preserve the Everglades.

“The NASA DEVELOP team provided valuable analysis, data, mapping, and field work to the Miami-Dade Western Greenway planning project. Their contributions assisted the decision-making process and were used to inform the greenway routing.”

Alissa Turtletaub, Miami-Dade County Parks, Recreation and Open Spaces Department