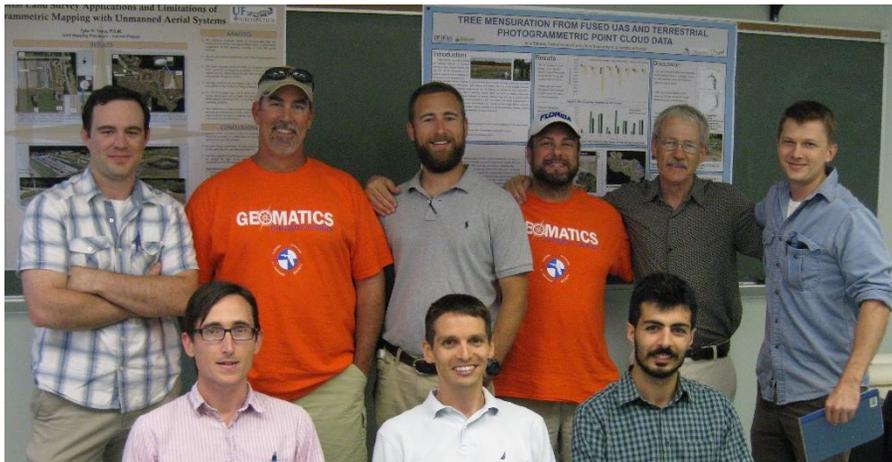


## Geomatics Newsletter

Spring 2016

### Program News

During 2015, the University of Florida Geomatics program increased the number of course offerings, which includes a [successful launch of the three course Unmanned Aerial Systems \(UAS\) certificate program](#) (image below). Meanwhile, the 9-credit [Geospatial Analysis graduate certificate](#) is seeing continued interest from students across many UF departments ranging from urban planning and environmental engineering to marine science and agricultural economics.



Students and instructors at the presentation session following the conclusion of the 10-day intensive UAS Practicum course (UF Gainesville, 5/2015)

Locally in Fort Lauderdale, the Geomatics program has hosted a multitude of [events](#), [professional meetings](#), and [technical seminars](#) all of which bring greater exposure to our statewide presence. Further, outreach activities such as [South Florida Career Construction Days](#) and [GIS Day](#) presentations help raise awareness of the excellent career opportunities available for interested students.

Recent presentations at conferences given by the FLREC Geomatics research group include the [GI Forum](#) (Salzburg, Austria), [ESRI User Conference](#) (San Diego, CA), [South Florida GIS Expo](#) (West Palm Beach, FL) and the [Southwest Florida GIS Symposium](#) (Fort Myers, FL).

Congratulations to our newest graduates, [Majid Alivand](#) (PhD), Keary Cunningham (MS), and Ryan Brazeal (MS)!

Lastly, save the date for our **annual Open House event on January 23<sup>rd</sup> (10am-3pm)**! This campus wide event [here in the South Florida Educational Complex](#) includes demonstrations and activities for the whole family. Please spread the word! We look forward to seeing you then!!

Registration for [Spring 2016 courses](#) is now available.  
[Contact us today](#) for an advising appointment!

### FLREC Benefits

- UF degree (BS, MS, or PhD) without going to Gainesville
- Numerous scholarships & internships
- High professor-student ratio
- Modern equipment & software
- Flexible scheduling for working & traditional students
- Reduced fees
- Ability to take distance education courses from the comfort of home
- Well connected to local industry

### Important 2016 Dates

- *Jan. 5:* Spring classes begin
- *Feb. 1:* Undergrad. admission app. deadline (Sum. C)
- *Mar. 1:* Undergrad. admission app. deadline (Fall)
- *May 1-3:* Spring commencement
- *May 9:* Sum. A/C classes begin

### Selected Geomatics Publications, Presentations, & Projects

- [A comprehensive cartographic approach to evacuation map creation for Hurricane Ike in Galveston County, Texas](#)
- [Choice Set Generation for Modeling Scenic Route Choice Behavior Using GIS](#)
- [Exploratory Completeness Analysis of Mapillary for Selected Cities in Germany and Austria](#)
- [Quality assessment of open realtime data for public transportation in the Netherlands](#)
- [Improving Teaching and Extension at UF through Vegetation Mapping](#)

### Recent FLREC Geomatics Awards

- Majid Alivand was awarded the [2014-2015 Outstanding Geomatics PhD Student](#)
- Daniel Steiner was a [Student Paper Competition Winner at the GI Forum](#)
- [2<sup>nd</sup> Place in the Analytical Poster competition at the South Florida GIS Expo](#)

*This newsletter couldn't possibly cover it all, so we encourage everyone to visit:*

<http://mygeomatics.com>

## A Message To Prospective Undergrad Students

The University of Florida's Fort Lauderdale Research & Education Center (FLREC) offers a 4-year, ABET accredited degree, the Bachelor of Science in Geomatics, which fully prepares graduates for professional licensure in the state of Florida and beyond. We are located 1 mile off Interstate 595 in the NW corner of the South Florida Education Center ([Directions](#)).

Our program is designed for both full-time and working students. Students registered at our campus can attend live lectures taught on site or watch live lectures originating from Gainesville via our video conferencing system. Further, lectures are recorded so students can watch them from any personal computer with basic broadband internet service. Our laboratory courses, typically occurring in the evenings or on Saturdays, have been adjusted to be flexible with student work schedules.

We recommend that students:

1. Obtain an Associate of Arts degree (AA) from a Florida college to complete all UF general education requirements
2. Satisfy their AA with the prerequisite courses required for admission to the Geomatics Program (listed on the right.) By taking these courses while earning their AA, students can be admitted faster into the Geomatics Program.

Geomatics courses can be taken in non-degree seeking status prior to admittance but some limitations apply. Please contact us to find out if the non-degree seeking status will work for you.

Each semester students have the opportunity to apply for various college scholarships and internships. We encourage all students to apply for our local scholarships as well as those at the regional and national levels (e.g. FSMS, ASPRS, & NSPS scholarships). So, what are you waiting for? Contact us today to see how we can change your future!



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## Undergrad Geomatics Admission Prerequisites

1. SPC2608 – Public Speaking
2. PHY2053/PHY2053L – Gen. Physics 1 + Lab (or PHY2048/PHY2048L)
3. PHY2054/PHY2054L – Gen. Physics 2 + Lab (or PHY2049/PHY2049L)
4. STA2023 – Statistics
5. MAC 2311 – Calculus I (or MAC1114 + MAC2233 – Trigonometry + Business Calculus)
6. ECO2013 – Macroeconomics (or ECO2023 – Microeconomics)
7. COP#### – Advisor Approved Programming Course (C++, Visual Basic, Java, etc.)

## Career Potential

- Competitive salaries for graduates
- Public & private sector opportunities
- Advancement through licensure
- Historically, 50% of graduates own or partner in a business within 5 years of graduation

## Areas of Study

- Professional Surveying
- Photogrammetry & LIDAR
- Unmanned Aerial Systems
- GIS & Remote Sensing
- Cartography
- Cadastral Science
- Spatial Analysis
- Land Development
- Geospatial Intelligence

