

GIS Connections

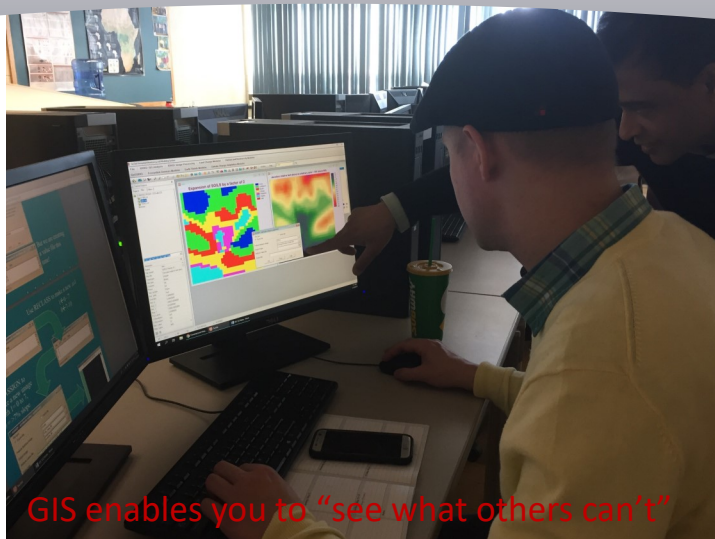


GIS Program Newsletter

Fall 2019/Spring 2020

What is GIS?

“A geographic information system (GIS) is a framework for gathering, managing, and analyzing data. Rooted in the science of geography, GIS integrates many types of data. It analyzes spatial location and..... , GIS reveals deeper insights into data, such as patterns, relationships, and situations—helping users make smarter decisions.” (ESRI)



GIS enables you to “see what others can’t”



What our students think:

“GIS is a great tool for a visual learner like me.”

“This program is preparing me for a rewarding career in the sciences.”

“There are a lot of great opportunities out there with geographic information technology.”

“GIS connects me to places in the world that I may never get to see in person.”

“GIS has a lot of applications, and with so many jobs available, it’s a sure path to secure employment. CCC is one of the few schools that offer a comprehensive GIS program.”

“GIS is the perfect mix of creativity and analysis—that’s why I like it so much.”

Environmental Studies: A new AS degree program at CCC

This is an interdisciplinary program that provides broad environmental literacy and a solid foundation for exploring the diverse environmental education and career opportunities.

While completion of this degree alone could serve as an entry level credential for employment as technician, continuation through transfer institutions would qualify the graduates to pursue public and private career opportunities in conservation, consulting, wildlife, education, green businesses, and various environmental fields.

Cayuga’s Environmental Studies program has transfer articulations with SUNY ESF and SUNY Brockport.



Valerie Smith is a 2019 graduate who served as the GIS Lab Assistant for the academic year 2018-2019 and the GIS Club treasurer. Already armed with an AS in Liberal Arts and Sciences and a BA in Geography, she joined CCC’s GIS program after a 1.5 year stint as an overseas English teacher. Her goal is to be happily employed as a GIS Analyst.

@CayugaCC

#ExactlyWhereIWantToBe





Meet Our Professor

Dr. Abu Badruddin has been teaching GIS for more than 20 years, 19 of which have been at CCC. He earned his MS and PhD at SUNY ESF, and previously taught at New Hampshire Technical College and Stephen F. Austin State University in Texas.

Why get a degree in GIS at CCC?

- With a 2-year degree, you can obtain a yearly starting salary of **\$40,000**
- Can also transfer to a 4-year program at a SUNY school
- Learn GIS & GPS technologies and their applications
- Develop in-demand skills in the geospatial industry
- Apply your skills to a variety of fields including: resource management, engineering, marketing, public works, geology, real estate, public safety, medical research, and more!

2019 Graduates and Capstone Projects

Aristotle Hristodoulou — “Using GIS to Analyze Carrying Capacity of Cities”

Brandon Fillingham — “Land Suitability for Hops”

Robert Ward — “HABs and their effects on Owasco Lake & surrounding communities”

Valerie Smith — “Analyzing the Tornado Risk in Upstate New York”



Graduating members of the GIS Club attended the 2019 Club Appreciation Banquet. From left: R. Ward, V. Smith, Dr. Badruddin, and Brandon Fillingham.

AS in Environmental Studies is now offered at CCC

Cayuga Community College enrolled a new group of students in our most recently approved AS degree program in Environmental Studies. As a transfer degree (AS), this program would prepare graduates to continue their studies towards the baccalaureate in environmental studies or in related majors such as environmental science, conservation biology, natural resources management, etc. While completion of this degree alone could serve as an entry level credential for employment, continuation through transfer institutions would qualify our graduates to pursue public and private career opportunities in conservation, consulting, wildlife, green businesses, and various environmental fields.



Ralph W. Standbrook Scholarship for GIS Students

The Ralph W. Standbrook Scholarship is awarded annually to a returning sophomore majoring in the Geographic Information Systems AS degree program at Cayuga Community College who is enrolled on a full or part-time basis. The successful candidate must have completed at least 6 credit hours of GIS coursework with a GPA of 3.0 or better. Applications are due on May 1st each academic year.

GIS Courses Available at CCC

- GIS 101—Foundations of GIS (for non-majors)*
- GIS 111—Introduction to GIS†
- GIS 121—Remote Sensing and Aerial Photogrammetry
- GIS 122—Spatial Modeling with Raster GIS
- GIS 205—Introduction to Vector GIS†
- GIS 220—Advanced GIS
- GIS 222—GIS Programming

*Fulfills Gen. Ed. science requirement;

†Fulfills Gen. Ed. social science requirement

GIS day



GIS Day 2018 was held on November 14th by the GIS Club. Many students and a good number of faculty members participated in our Geoquiz and received free prizes. The top two scorers won a \$50 Wal-Mart gift card and a \$25 Subway gift card respectively.

For more information about GIS Day, visit: www.gisday.com

Save the date!

GIS Day 2019 – Wednesday, Nov. 13th



Students and staff toured through our map gallery and learned about the importance and usage of GIS



Winner of the 2018 Geoquiz Trent Roggie receives his prize of a \$50 Wal-Mart gift card from GIS Club Treasurer and lab assistant Valerie Smith



Students in GIS121:Remote Sensing class got their 1st hands on experience in flying a Phantom Pro drone for a better understanding of how drones are used in collecting remotely sensed images.

Want to know more about GIS?

Or if you would like to bring a group of students to participate in a GIS activity at CCC, please contact:

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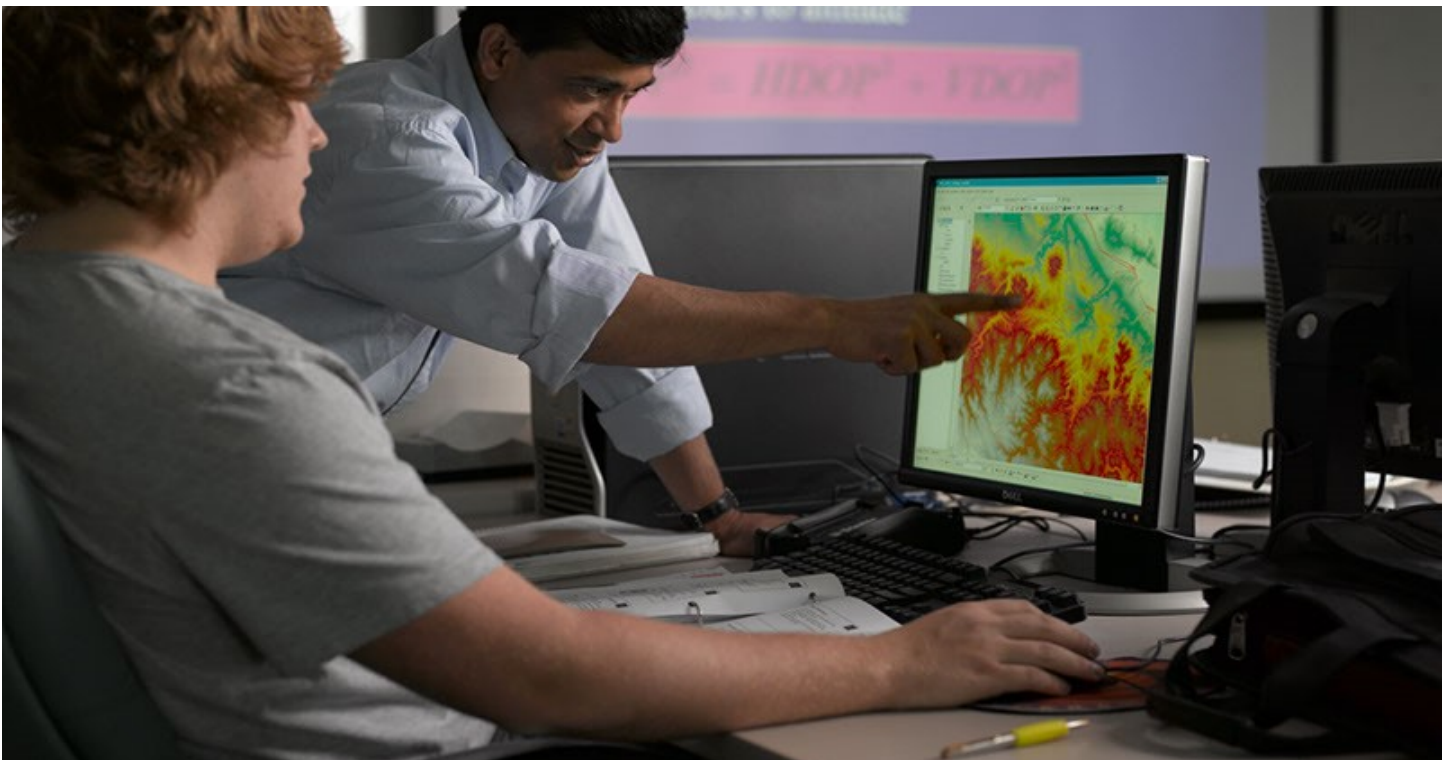
Or visit:

<https://www.cayuga-cc.edu/academics/schools/stem/geographic-information-systems>



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“.....training and knowledge that the GIS students gain at CCC is actually better than that provided by many BS or BA granting institutions.”

External Program Review Committee