

2019 Teacher Summer Programs

CATALySES: Emerging Pathogens

Two-week research program for high school teachers from June 16 – June 28, 2019

\$1000 stipend upon successful completion of summer institute; \$300 stipend upon successful completion of classroom implementation

<https://www.cpet.ufl.edu/teachers/catalyses/>

Apply on-line: <http://bit.ly/2019catalyses>

CATALySES: Emerging Pathogens focuses on infectious diseases and translational research, from discovery-based research to clinical therapeutics. This project creates and expands partnerships that connect university researchers with high school teachers to promote students' interest in and preparation for science careers. This innovative program integrates experiences from a summer Institute into classroom action during the school year.

CATALySES is funded by the National Institutes of Health Science Education Partnership Award to support science teachers in ongoing opportunities for personal enrichment and professional advancement in biomedical education, building on and extending partnerships that connect University of Florida researchers in Emerging Pathogens, Clinical and Translational Science, and Education with schools throughout the state.

Humanities and the Sunshine State: Teaching Florida's Climate

One-week program for all educators from June 24 – June 28, 2019

Cost: \$125; includes double hotel accommodations on the UF campus and most meals

<https://www.cpet.ufl.edu/teachers/humanities-and-the-sunshine-state/>

Apply on-line: <http://bit.ly/2019TFC>

This interdisciplinary summer seminar supports educators in developing informed and novel approaches to teach about climate change in both formal and informal education settings. Through field trips and hands-on activities, explore changes to Florida's waters evidenced in forests, springs, and coastal areas, and discuss how these changes impact future Floridians across the state. This seminar pairs leading scholars and Master Teachers from the humanities and ecological sciences to give educators the tools to observe and analyze environmental change and bring perspectives from culture, history, and ethics to address and adapt to our contemporary challenges.

The Humanities and the Sunshine State educator program is offered in partnership with the Florida Humanities Council's Educator Workshop Series with major funding provided by the Florida Humanities Council.

Summer Science Institute

<https://www.cpet.ufl.edu/teachers/ssi/>

During the Summer Science Institute, participants will have the chance to work with UF faculty and graduate students, perform authentic research, visit laboratories and facilities, hear talks by research and industry leaders, develop classroom applications, and take resources back to the classroom.

SSI Session One: 3D Vertebrates, From Museum Shelves to Classrooms

One-week program for CPET alum June 17 – June 21, 2019

Includes on-campus housing and some meals

Apply on-line: <http://bit.ly/3Dvert>

The biology of vertebrate animals provides opportunities to students to learn about anatomy, function, and evolution. Participants in this workshop will gain a hands-on introduction to vertebrate diversity through lectures, discussion with scientists and students, and visits to the scientific collections of the Florida Museum of Natural History to see rare specimens of both living and extinct species. Using three-dimensional imaging as part of the openVertebrate project (or oVert) funded by the US National Science Foundation (<https://www.floridamuseum.ufl.edu/overt/>), we are creating digital specimens that can be viewed in the classroom, digitally dissected, 3D-printed, and more. Participants in this program will learn about working with these resources and develop teaching modules that convey key concepts in anatomy, function, and evolution.

SSI Session Two: Exploring Earth Systems with the Florida Museum of Natural History Thompson Institute

One-week program for teachers in select counties July 7 – July 12, 2019

More information coming soon!

SSI Session Three: Threats to Florida's Ecosystems

One-week program for all educators from July 22 – July 26, 2019

Cost: \$100; Includes on-campus housing and some meals

Apply on-line: <http://bit.ly/2019ecosystems>

From invasive species to toxic algal blooms and severe weather events, Florida's ecosystems are under attack. The SSI program focuses on some of these threats and the ongoing research efforts to mitigate their impact and preserve Florida's fragile environment. This week-long institute incorporates multiple disciplines including engineering, toxicology, hydrogeology, ecology, and biology and includes both laboratory and field experiences such as learning about the impacts of toxicants in the environment, following the flow of water through North Central Florida, and engineering to protect our coastlines.