UNIVERSITY of
HOUSTON

Name: Daniel Burleson

Department/College: Other

Research Area: Engineering Sciences

Biography:

I received a B.S. in Civil Engineering from the University of Florida in 2009 and recently received a PhD in Environmental Engineering from the University of Houston in 2015. Previously my professional interest focused on economic and environmental impact from storm surge to an industrial region using hydrodynamic modeling. I plan to continue my interest in hurricane vulnerability research. However, as an Instructional Assistant Professor at the University of Houston in the College of Engineering, my interests will be on instructional strategies and support for first and second year engineering students. My research agenda for this position focuses on developing instructional strategies and programs that will engage students in their subject and improve retention rates in large courses where the subject is difficult. Beyond the classroom, I plan to identify key factor attributed to student success in the engineering. Working with currently engineering programs, I will develop a framework that will help to identify students who may need additional support and provide the resources that are necessary for success in college and their professional careers.