

# Flood risk & climate change preparedness

*In Abess PhD program in environmental science & policy:*

Opportunities exist for students with interest and experience in the development and application of urban flood hazard models for detailed modeling of compound flooding and inundation under climate change scenarios and in response to proposed flood mitigation measures. The research will evaluate collaborative flood modeling in regional climate change adaptation processes and advance a new class of flood hazard model tailored to infrastructure planning and preliminary design at the metropolitan scale.

Students will be co-advised by Brett Sanders (UC Irvine; <https://floodlab.eng.uci.edu/>) and Katharine Mach, in partnership with South Florida water management professionals.

