

Flood risk & 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 current and future scenarios and in response to proposed flood mitigation measures. The research will evaluate collaborative flood modeling in adaptation processes and advance a new class of flood hazard model tailored to infrastructure planning and design.

Students will be co-advised by Brett Sanders (UC Irvine; <https://floodlab.eng.uci.edu/>) and Katharine Mach (<https://climateprep.earth.miami.edu/index.html>), in partnership with decision makers.

