

**Want to join our group? We have 1-2 positions open starting Spring 2025.**

**Description:** Dr. Poor and Dr. Wolfand are seeking 1-2 students to join our research team for a project focused on reducing pollution from roof runoff using low-cost biofilters. Roof runoff picks up pollutants such as metals, nitrogen, phosphorus, and microplastics. We have installed four roof filters (3 on the tennis center and 1 on the nursing annex) and are in the data collection phase (Figure 1).



Figure 1. Photo of installed roof runoff filter (left: top view; right: side view).

**Responsibilities:** The student(s) will take water samples from the roof filters during storm events. The students will then analyze the samples in the environmental engineering lab for nutrients (phosphorus and nitrogen), metals (copper and zinc), and microplastics. Student(s) will also attend weekly internal research meetings. Applicants should be comfortable working independently and as part of a team in field conditions (cold and rain) as well as in the lab. Applicants should also show a good attention to detail.

**Time Commitment/Pay:** This paid position offers a stipend of \$1,250 for approximately 4-6 hours of work per week.

**Requirements:** Applicants must be engineering majors in good academic standing. Preference will be given to students who have taken environmental engineering, upper-division students, and those potentially interested in continuing the research in the summer.

**How to Apply:** Interested candidates should submit a resume and cover letter to [wolfand@up.edu](mailto:wolfand@up.edu) and [poor@up.edu](mailto:poor@up.edu). Your cover letter should address the following questions:

1. Why are you interested in this position?
2. Are you interested in continuing research in the summer?
3. Why are you a good fit for this position?
4. How will this experience support your post-graduation plans?
5. Is there anything else I should know about you?