

Rubenstein School of Environment and Natural Resources

University of Vermont

Perennial Summer Internship Program - 2024

Internship Title: Water Quality Intern

Internship Site: Fitzgerald Environmental Associates, Colchester VT. Fieldwork will be conducted statewide.

Travel to our fieldwork will require the intern to use their own vehicle. Our fieldwork is spread out over much of the state, and we try to use our work vehicle for as much of that travel as possible. However, there are often times when it is necessary to use a personal vehicle. Any travel for the internship with a personal vehicle will be reimbursed at the IRS mileage rate, and travel time for fieldwork will be paid.

Description: Fitzgerald Environmental Associates (FEA) is a water resources consulting firm based in Colchester, Vermont. FEA offers technical consulting services in the applied water and geospatial sciences; specializing in watershed and stream assessment and restoration, road erosion assessments and mitigation design, stormwater master planning, stormwater treatment system design and permitting, stormwater and streamflow monitoring and analysis, and geospatial mapping and modeling. FEA serves a diverse clientele of governmental, non-profit, and private sector entities; however, our primary focus is watershed assessment and planning at the municipal and regional level.

Water Quality Interns for Fitzgerald Environmental will primarily be assisting with fieldwork for our existing projects throughout Vermont. Our primary project for prospective interns in the summer of 2024 will involve road erosion inventories on Vermont's forest roads. Forest Road Erosion Inventories are assessments of State Park Access Roads, Logging Roads, and VAST Trails. In these assessments, interns will characterize the conditions of these roads and determine their water quality impacts based on connectivity to receiving waters, active erosion, and direct stream/wetland impacts. Many of the roads included in this study are in remote locations, requiring long days and hiking on variable terrain. This job will also require occasional overnight trips which will include a combination of camping and hotel stays. Access to a personal vehicle is a necessity for this work, and all mileage and overnight expenses will be reimbursed by FEA.

Water Quality Interns will also assist with river and stream projects including field survey with GPS and total station, stream discharge measurements, collection of water quality samples, and field data collection for geomorphic assessments.

Water Quality Interns will work on additional projects if their interests align with other work that FEA does. Please see our website for additional types of projects that we are involved in: www.fitzgeraldenvironmental.com

Desired qualifications/skills/coursework:

Required Comfort/Experience with outdoor fieldwork in variable weather conditions and remote locations.

Preferred experience with the following subjects: GIS, Geomorphology, Environmental Science, Soil Science, CAD.

***Rubenstein students currently in their sophomore and junior years are eligible to apply. Earning Independent Study or Internship credit through the Rubenstein Internship Program is required. ***

Supervision: Evan Fitzgerald, Principal Geomorphologist will provide primary and administrative supervision and training. Water Quality Interns will be trained by other experienced FEA staff members to conduct fieldwork for our projects. During a two-week training period, interns will be directly supervised and trained by the project managers for the specific, project-related work that they will conduct.

Additional oversight and training will be provided by Frank Piasecki, Watershed Scientist, Joe Bartlett, Senior Watershed Scientist, Rodrigue Spinette, Senior Wetland Scientist, and Jordan Duffy, Water Quality Engineer. After the training period, interns may be given tasks to complete in the field without direct supervision.

Start and End Dates: Mid-May – Mid-August, 2024 (exact start/end dates are negotiable)

Total Hours: 20-40 hours/week for 12 weeks

Compensation: \$18/hour

How to apply: Rubenstein students who will have completed their sophomore or junior year by summer 2024 are eligible to apply. Students graduating in May 2024 are not eligible to apply. Earning Independent Study or Internship credit through the Rubenstein Internship Program is required.

1. Click the following link to view the Rubenstein Perennial Internship Descriptions in Handshake:
<https://uvm.joinhandshake.com/employers/226837>

- If asked to log in: click “UVM Net ID Login” & login.
- Click the Favorite button to enable easier searches in the future.

2. Click “View All Jobs” in Jobs at Rubenstein Perennial Internship Program box on right side of page.

3. You should now see the great Perennial Internship opportunities! Click “View Details” to learn more about each position.

- Please do take the time to carefully read each individual description so that you don’t miss a great opportunity by judging an internship solely on its title.
- You may apply for up to three Perennial Internships.
- All applications are due by **11:59pm, on Monday, February 5th, 2024.**

4. You’ll need to upload both required documents in Handshake before you can apply for any Perennial Internship:

- Click on your name at top right of screen in Handshake
- Select Documents.

5. Please upload all documents as pdfs. The following are the required documents:

- Resume
- Cover Letter

- i. You should write and upload a unique cover letter for each position to which you are applying.
- ii. In your cover letter, provide the name & contact information for at least one professional reference. This could be someone who supervised you in a past work/internship/volunteer position, or a professor or teacher, etc. The person listed should not be the person who completes your recommendation form.

6. In addition to the documents listed above, a **recommendation form will need to be completed by a Rubenstein faculty, graduate student, or staff member of your choosing**. When you ask your recommender if they are willing to complete the form to support your application, please provide your recommender:

- This link: [RECOMMENDATION FORM](#)
- Only one recommendation form needs to be completed regardless of how many Perennial Internships you are applying for.
- Your recommender will complete & submit this form online and then your recommendation will be confidentially added to your application(s). This recommendation form needs to be submitted by the February 5th, deadline.

7. Make sure that your resume and cover letter(s) are as strong as they can be! Utilize the resources around you:

- The Rubenstein Student Advisory Board members are great at reviewing resumes/cover letters and providing helpful feedback! Email the SAB to schedule an appointment after the start of the semester, or stop by their peer mentoring hours when the Spring semester starts (schedule to be posted by Jan 16, 2024): rsenrsab@uvm.edu
- Get your resume and cover letter reviewed by a Career Counselor at the Career Center. You can check the Career Center's drop-in hours [here](#). The Career Center also offers a guide on building your resume available [here](#).
- Get connected with folks in the Rubenstein Student Services Office for resume and cover letter review during drop-in hours:
Meghan Young – Tuesdays, 10:00am-12:00pm, Aiken 219 Emily LeForce – Thursdays, 1:00-3:00pm, Aiken 220 Hub
Cathy Shiga-Gattullo – Mondays, 1:00-3:00pm, Aiken 220 Hub

8. If you are selected to interview for a Perennial Internship, you will be contacted by the site to set up an interview during late February to early March.