

Capital Improvement Program (CIP) Graduate Student Internships

Job Opening Date: 2/25/2022
Application Deadline: 3/13/2022

The Capital Improvement Program (CIP) of the Environmental Services Department (ESD), City of San José is seeking to hire two graduate student interns to support the sampling activity during the startup and testing of the new Temperature Phased Anaerobic Digesters (TPADs) at the San Jose-Santa Clara Regional Wastewater Facility (RWF). The interns will be working under the supervision of a process engineer in charge of the coordination of the sampling and analytical work.

Hours & Salary Range: \$16.20 - \$23.96 hourly, 25-40 hours/week
Duration: Six (6) months or until digesters startup testing is completed

Responsibilities include but are not limited to:

- Collect liquid sludge and gas samples and take onsite measurements
- Deliver collected samples to the lab per the lab's chain-of-custody
- Maintain a daily sampling log in process engineering share drive
- Calibrate online meters and hand-held instruments (e.g., pH meters)
- Follow-up with results from the lab and report to the coordinator
- Analyze lab results and provide a summary on how the results are trending with expectation
- Compile interim sampling and analytical reports while the startup and testing are ongoing and a final report at the end of the project

Minimum Qualifications

Education:

Completion of a Bachelor's Degree and current enrollment in a Master's degree program from an accredited college or university. Preferred areas of study: Civil/ Environmental, or Chemical Engineering.

License:

Possession of a valid driver's license authorizing operation of a motor vehicle in the State of California may be required for some positions.

Employment Eligibility:

Federal law requires all employees to provide verification of their eligibility to work in this country. Please be informed that the City of San Jose will NOT sponsor, represent or sign any documents related to visa applications/transfers for H1-B or any other type of visa which requires an employer application.

Desirable Qualifications:

- Course works involving wastewater treatment and environmental sciences and previous work experiences in environmental field investigations, lab-scale experiments, and pilot studies
- Knowledge of MS Excel, Word, Access, and PowerPoint
- Excellent verbal and written communication skills
- Ability to collaborate and work in a team environment
- Ability to work safely and follow established instructions and guidelines
- Ability to perform a variety of tasks including fieldwork
- A strong self-starter who has a willingness to learn

Work Environment:

Most of the sampling work is performed within the co-thickening and digestion process areas. The sampling work will require going to the sampling locations in electric carts, collecting grab as well as composite samples, loading onto electric carts, offloading the samples from the carts, and delivering them to the lab. Sample delivery is done using the lab's chain-of-custody form. The job is performed within designated start and end times that the lab establishes, Monday-Friday. On rare occasions, samples may be collected over the weekends. Should that happen, the intern will be notified well in advance. The sampling is completed around equipment and machinery and may require walking up and down the stairs. The City of San will provide the necessary safety training and PPEs needed for the job.

How to Apply:

To be considered for these graduate student internship opportunities, please follow the instructions below.

Email your resume and responses to the questions below to ESD-HR@sanjoseca.gov with the subject line: "CIP Internship" by Sunday, March 13, 2022:

1. Are you currently enrolled in a Master's Degree Program?
2. What is your area of study/major?
3. When is your expected graduation date?
4. Are you available to work for at least 6 months (starting in April 2022)?
5. Are you available to work at the San Jose-Santa Clara Regional Wastewater Facility located at 700 Los Esteros Road, San Jose, CA 95134?

If you have any questions, please contact ESD-HR@sanjoseca.gov.