

2018

County of Orange/OC Public Works

OC Environmental Resources

2018 Internship Program



<http://www.ocpublicworks.com/envres/>

"... I was able to work with many different groups on high level projects...I will always be able to look back at this experience as building valuable work experience, office etiquette, and long-term relationships with first class professionals in the field."

- Bryan S., Summer 2017

What is the Internship Program? [OC Environmental Resources](#) (part of the County of Orange/OC Public Works) has intern positions available for this summer and early fall. The positions are offered by its two core business functions: [OC Watersheds Program](#) and [OC Agricultural Commissioner](#). Interns will work with environmental scientists and/or agriculture inspectors on a wide range of projects involving water quality, agriculture standards, watershed management, education, policy, and regulatory compliance.

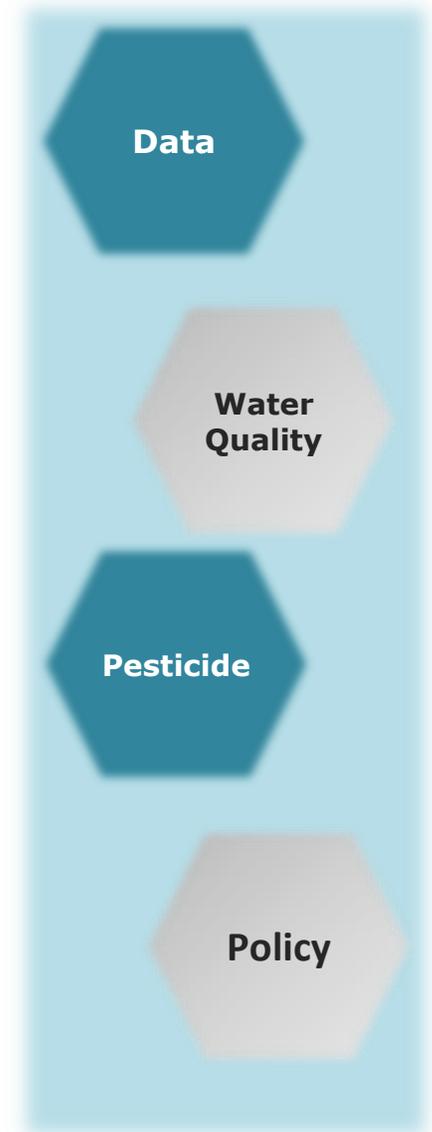
Internship positions are unpaid and require a commitment of at least 2 days a week for a 3-month period. A certificate of completion will be provided at the end of the internship.

Where is it Based? OC Environmental Resource's main office is located at 2301 N. Glassell Street, Orange, CA 92865. A number of the intern projects will require field activities in different parts of Orange County. For some assignments, interns may be required to operate their own personal vehicle and will receive mileage reimbursement.

Who can apply? College students and recent graduates with a strong interest in environmental and/or agriculture issues are encouraged to apply. Some of the projects may require a strong science background and specialized coursework.

How do I apply? Please review the nine projects on the following pages and determine which one is of most interest to you. You must then submit: 1) a cover letter, clearly identifying your project selection and your reasons and applicable skills for selecting it; and 2) your current resume, to Chris Crompton at Chris.Crompton@ocpw.ocgov.com with the subject line "Summer 2018 Internship Application". Applications that list more than one project will not be considered.

The application period will close on **May 14, 2018**. As some projects tend to fill up quickly, applicants are encouraged to apply early. The applications will be used as part of the selection process, so please ensure they fully reflect your qualifications and interests. The candidates whose applications best meet the needs of the nine projects will be scheduled for interviews.



Scan the QR code to receive an electronic version of this flyer



"Working for the OC Environmental Resources gave me the opportunity to work closely with environmental specialists and gain real-world experience in environmental sampling and monitoring. The people here were friendly, helpful, and most of all, passionate about their work."
-Takuma T., Summer 2017



Project 1: Agricultural Services
(OC Agricultural Commissioner)

The Agricultural Services Program regulates and enforces plant quarantine, pest exclusion, pest detection, pest management, nursery and seed inspection, agricultural diseases, produce standardization, and certified markets throughout the county.

The intern will 1) assist licensed inspectors at parcel facilities to profile packages and inspect for agricultural commodities; 2) help inspectors perform nursery inspections and high risk inspections at various facilities; 3) take on special projects such as updating the Agricultural Commissioner website or other projects as assigned.

An undergraduate or graduate intern is sought with a strong interest in Agricultural Communication.



Project 2: Watershed Management Support
(OC Watersheds Program)

The intern will work with staff responsible for the NPDES environmental education program "H₂OC" and for Integrated Regional Water Management (IRWM). H₂OC aims to close knowledge gaps and encourage behaviors that keep our stormwater clean and IRWM brings together various water districts, the Orange County Flood Control District, OC Watersheds, and additional stakeholders to plan multi-benefit watershed projects eligible for grant funding.

The intern will assist in: 1) developing public outreach materials and attending events; 2) assisting in the expansion of our college ambassador program; 3) participating in the grant planning process of IRWM; and 4) updating web content on GIS story maps.

The intern should have a strong interest and coursework in environmental regulation, policy, and education.



Project 3: Water Quality Monitoring
(OC Watersheds Program)

The internship will involve extensive fieldwork across Orange County working with experienced field staff to implement monitoring programs for the National Pollutant Discharge Elimination System (NPDES) municipal stormwater permits, related environmental compliance programs and special studies.

The intern will: 1) collect and process water quality samples from storm drain outfalls, creeks, channels and coastal sites; 2) perform field tests using a variety of meters and test kits; 3) document results using mobile data collection software/apps; 4) use a laboratory information management system; 5) apply quality assurance/quality control (QA/QC) procedures; and 6) obtain an understanding of the laws and regulations governing surface water quality.

The intern should have a strong interest in fieldwork.

“This internship experience has been unforgettable. I have enjoyed learning from all of you and am so grateful to have had the opportunity to work in such a supportive and hands-on environment. From fieldwork and lab analysis to GIS and communication, you all have allowed me to acquire and refine skills I will use for the rest of my life.”

- Gabriela M., Summer 2017



Project 4: Weights and Measures

(OC Agricultural Commissioner)

The Weights and Measures Program ensures the accuracy of commercial measuring and weighing devices, verifies the quantity of both bulk and packaged commodities, and enforces the quality, advertising and labeling standards for petroleum products.

The intern will 1) interact with office and inspector staff; 2) file, type and use Excel and Word, as well as other programs as needed in a support role; 3) help to test and seal meters in the weights and measures laboratories; and 4) help to perform large capacity scale inspections.

An undergraduate intern major in physical science, biological science, chemical science, agricultural science, mathematics or statistics or other related science major is sought with a strong interest in learning office processes in a regulatory agency.



Project 5: BMP/LID Inventory (OC Watersheds Program)

The County NPDES Compliance unit implements the NPDES stormwater permit as a Permittee on behalf of County of Orange. It is currently updating an inventory of water quality Best Management Practices (BMPs) throughout OC's unincorporated areas. Such an evaluation will assist the County in determining whether storm and non-storm flows are being treated to prevent water pollution, as designed.

The intern will assist in 1) collecting field data and logging information into a central database; 2) reviewing water quality documents such as WQMPs; 3) assisting in GIS mapping, database and analysis; and 4) preparing reports, exhibits and presentations as needed.

The intern should have a strong interest in stormwater compliance and water quality. He/she should have training and skills in GIS, be comfortable with fieldwork, and be able to interact with County staffs or consultants.



Project 6: Stormwater Program Support (OC Watersheds Program)

The Orange County Stormwater Program works to maintain regulatory compliance with 2 area-wide NPDES permits. Staff lead the development, implementation and evaluation of programs to protect and improve the quality of Orange County's creeks, stream and coastal waters at both watershed and regional scales.

The intern will assist with 1) supporting the program management framework which consists of committees and task forces comprised variously of technical staff, attorneys, public works directors/city engineers, and city managers; 2) preparing the annual regulatory compliance reports; and 3) compiling data.

The intern should have a strong interest and coursework in environmental regulation and policy.

"Having the opportunity to take part in an internship at OC Environmental Resource was my most valuable experiences. It broadened my experience and knowledge to help me better prepare for my career in the future. "

-Shukai C., Summer 2015



Project 7 Pesticide Regulation (OC Agricultural Commissioner)

The Pest Management Program regulates environmental and pesticide use that encompasses local enforcement of pesticide use in agricultural and urban environments.

The intern will provide support for Pesticide Use Enforcement in the Agricultural Commissioner Office by 1) assisting with collecting, inputting and correcting pesticide use reports from growers, municipalities and the pest control industry; 2) assisting licensed inspectors in conducting pesticide use inspections; and 3) taking on special projects or other duties as assigned.

An undergraduate intern with an interest in pesticide regulation is desired.



Project 8: UCI Permit Support (OC Watersheds Program)

University of California, Irvine (UCI) is a permittee of the State Water Resources Control Board's Phase II Municipal Separate Storm Sewer System Permit. The Permit prohibits non-stormwater and pollutant discharges from the UCI campus and requires monitoring and reporting. A collaborative effort has been initiated between OC Environmental Resources and UCI to comply with these requirements.

The intern will 1) serve as a liaison between UCI and OC Environmental Resources on the Permit; 2) assist in the monitoring program development; and 3) conduct fieldwork as needed.

A UCI student majoring in environmental engineering is preferred. The intern should have a strong interest in stormwater science and engineering, and be comfortable with communicating with staff from UCI, OC Environmental Resources and consulting firms.



Project 9: Low Impact Development (LID) (OC Watersheds Program)

The OC Public Works Glassell Campus Stormwater Low Impact Development Retrofit Project is a showcase of stormwater quality improvement technologies. This \$4.6M project on almost 10 acres was designed to achieve 100% stormwater treatment and 85% retention for the design storm using a series of best management practices including permeable paving, bioswales, and modular wetlands, among others.

The intern will work with experienced staff and a university research team to assess the LID project including 1) monitoring; 2) assessing and documenting maintenance; and 3) performance testing and research. The intern will also be trained to lead tours of the project for visiting groups.

The intern should have a strong interest in practical research and fieldwork and be comfortable talking in front of visiting groups and using equipment and tools.