



# Water resources engineer

**Employer:** David Ford Consulting Engineers, Inc.

**Job Title:** Water Resources Engineer

**Job Location:** Sacramento, CA

**Closing Date:** Open until filled

**Job Description:** David Ford Consulting Engineers is looking to add a water resources engineer with 3 – 5 years of relevant work experience to our Sacramento office. The civil engineer in this position will apply hydrologic and hydraulic (H&H) engineering principles and best practices to a variety of assignments, with specific emphasis on hydraulic studies related to civil infrastructure projects such as levees and dams. Key responsibilities will include hydraulic study design, modeling, analysis, mapping, and documentation. These tasks will require proficiency in the use of H&H software and GIS software.

**Responsibilities:**

- Complete hydraulic modeling of water resource facilities, including levees and dam facilities.
- Complete floodplain inundation and mapping studies.
- Complete hydrologic studies.
- Prepare project reports and perform oral presentations.
- Manage tasks to technical and financial success.
- Supervise and delegate work to junior engineers and support staff as necessary to manage specific hydraulic engineering tasks within larger complex projects.
- Contribute to business development, marketing, and proposal preparation efforts.

**Requirements:**

- BS in Civil Engineering or similar degree; MS preferred but not required.
- Professional Engineer license required; CA license required within 6 months of hire.
- Project experience in the use of 1-D and 2-D hydraulic modeling software applications.
- Project experience with hydrologic engineering modeling software applications.
- Excellent technical writing and communication skills.

In addition, having the following expertise will give the right candidate a competitive advantage:

- Proficiency with USACE HEC H&H modeling applications (HEC-RAS, HEC-HMS).
- Experience with reservoir operations modeling, e.g., HEC-ResSim.
- Experience with 3-D computational fluid dynamics (CFD) modeling applications.

**Company Profile:**

Since 1989, David Ford Consulting Engineers Inc. has excelled in helping clients around the world solve problems related to hydrologic and hydraulic engineering and water resource planning. Our team of

professional engineers, technical specialists, and computer systems analysts provides consulting services to federal, state, and local governmental agencies, engineering firms, and private businesses. We offer a competitive compensation and benefits package, friendly working environment, attractive location, and cutting-edge projects for high-profile clients. For more information about our firm and descriptions of recent projects, visit our website: [www.ford-consulting.com](http://www.ford-consulting.com).

**How to Apply:** Mail or email resumes to:

David Ford Consulting Engineers Inc.

Attn: Rhonda Robins

2015 J Street, Suite 200, Sacramento, CA 95811

E-mail: [robins@ford-consulting.com](mailto:robins@ford-consulting.com)