Technician

**Location**: Northern California, based out of West Sacramento or Santa Cruz

**Experience**: 1+ years with a B.S. (preferred)

**cbec eco engineering, inc. (cbec)**, is based in West Sacramento, California, with branch offices throughout Northern California, as well as Oregon, Indiana, Virginia, Montana, Utah, and the UK. cbec specializes in eco engineering for the water resources industry. Eco engineering describes water resources engineering services that are concerned with developing and providing ecologically sensitive and environmentally sustainable solutions in the fields of hydrology, hydraulics, geomorphology, and restoration and rehabilitation design. cbec offers a stable job environment, competitive salary and benefits, and opportunities for career growth.

cbec is seeking to hire a skilled **Technician**. Experience in water resource engineering, fluvial geomorphology, hydrology and/or restoration design is preferred, but not required. The Technician will join our highly skilled team of engineers and scientists and provide support for technical studies and fieldwork services. The ideal candidate will have at least a bachelor’s degree in physical sciences (civil engineering, hydrology, geography, etc.), preferably with some industry experience, and will be enthusiastic, self-motivated, and have an eagerness to learn new skills. Passion for the outdoors and our natural environment is essential.

To apply, please send your cover letter, resume, and references to recruiting@cbecoeng.com, with the subject line: “Application - Lastname, First Initial.” Please submit application materials as a PDF, named with the following format:

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Lastname_First Initial_resume/coverletter/references_year-month-day.
Example: “Smith_J_resume_2021-06-10.”
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No phone calls please. Please visit our website at www.cbecoeng.com to see the array of services that we provide, and exciting projects we are currently working on. cbec is an Equal Opportunity Employer and we value a team-oriented workplace and workforce diversity.
This employer participates in E-Verify and will provide the federal government with your Form I-9 information to confirm that you are authorized to work in the U.S.

If E-Verify cannot confirm that you are authorized to work, this employer is required to give you written instructions and an opportunity to contact Department of Homeland Security (DHS) or Social Security Administration (SSA) so you can begin to resolve the issue before the employer can take any action against you, including terminating your employment.

Employers can only use E-Verify once you have accepted a job offer and completed the Form I-9.

E-Verify Works for Everyone

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888-897-7781
dhs.gov/e-verify

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IF YOU HAVE THE RIGHT TO WORK

Don’t let anyone take it away.

There are laws to protect you from discrimination in the workplace.

You should know that…

In most cases, employers cannot deny you a job or fire you because of your national origin or citizenship status or refuse to accept your legally acceptable documents.

Employers cannot reject documents because they have a future expiration date.

Employers cannot terminate you because of E-Verify without giving you an opportunity to resolve the problem.

In most cases, employers cannot require you to be a U.S. citizen or a lawful permanent resident.

Contact IER

For assistance in your own language
Phone: 1-800-255-7688
TTY: 1-800-237-2515

Email us
IER@usdoj.gov

Or write to
U.S. Department of Justice – CRT
Immigrant and Employee Rights – NYA
950 Pennsylvania Ave., NW
Washington, DC 20530

If any of these things happen to you, contact the Immigrant and Employee Rights Section (IER).

Immigrant and Employee Rights Section
U.S. Department of Justice, Civil Rights Division

www.justice.gov/ier
Ecoengineer / Ecohydrologist I

Location: Sacramento/Northern California, or Santa Cruz region
Experience: 2+ years with a B.S. / 0+ years with M.S. or Ph.D.

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cbec is seeking to hire a skilled Ecoengineer / Ecohydrologist I to assist the company in providing technical services to clients. Individuals’ professional experience should include 2+ years technical experience in water resources with a BS degree or candidates should have an MS or PhD in civil engineering, environmental engineering, water resources, hydrology, or fluvial geomorphology.

Responsibilities of the Ecoengineer/ Ecohydrologist I include:

- Performing technical studies in the fields of hydrology, hydraulics, geomorphology, water quality and restoration design
- Developing numerical hydrologic, hydraulic, sediment transport and water quality models
- Performing field data collection that includes topographic and bathymetric surveys; discharge and sediment transport measurements; water quality monitoring; and geomorphic assessments
- Performing design and drafting work in AutoCAD for the development of construction plans for environmental rehabilitation projects
- Contributing to writing and figure production for technical reports
- Potentially managing small projects and supervising junior staff
Desired Skills and Experience:

- 2+ years of experience and a BS in civil or environmental engineering, water resources or closely related field; or an MS or PhD in civil engineering, environmental engineering, water resources, hydrology, or fluvial geomorphology
- Licensed California State professional civil engineer (or ability to obtain license via reciprocity) or an Engineer-in-Training status is desirable
- AutoCAD experience including the use of grading tools, objects and corridors, and plant set development
- ESRI ArcGIS experience including managing geodatabase infrastructure and using Spatial Analyst and 3D Analyst tools
- Experience developing, applying, and using hydrologic and hydraulic computer modeling applications, such as HEC-RAS (1D and 2D), HEC-HMS, MIKE 11, MIKE 21, SRH2D, FL0-2D, TUFlow, and Delft3D
- Programming experience, such as using python or R to analyze geospatial and time series data, is desirable
- Strong written and verbal communication
- Strong organizational and time management skills

As part of field efforts, the ideal candidate should be willing to undertake manual tasks in an outdoor environment, alongside or in water, and on watercraft. Tasks may include wading in flowing water to collect topographic data and hydraulic measurements, or performing surveys on construction sites and other similar scenarios. Travel to remote settings for more than one day may be required.

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Immigrant and Employee Rights Section
U.S. Department of Justice, Civil Rights Division

www.justice.gov/ier
Ecoengineer / Ecohydrologist II

**Location:** Sacramento/Northern California, or Santa Cruz region  
**Experience:** 6+ years

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cbec is seeking to hire a skilled Ecoengineer /Ecohydrologist II to assist the company in providing services to clients and managing projects. Individuals' professional experience should include 6 years technical experience and 2 years project management in water resource engineering, fluvial geomorphology, hydrology, and/or restoration design projects.

**Responsibilities of the Ecoengineer/ Ecohydrologist II include:**

The Ecoengineer/Ecohydrologist II will be responsible for leading the completion of technical work, managing projects and assisting with proposals for new work. Technical work may include hydraulic/hydrologic and geomorphic studies, modeling, assessments, and associated reporting. Design work will include restoration-oriented civil construction projects in riverine or other aquatic settings, and the production of construction drawings, specifications, cost estimates, and design reports. Specific responsibilities will likely include:

- Managing small to moderate-sized multi-objective, multi-stakeholder projects
- Contributing to / leading development of numerical hydrologic, hydraulic, sediment transport, and water quality models
• Overseeing field data collection efforts that include general watershed reconnaissance; topographic and bathymetric surveys; water level, discharge and sediment transport measurements; and geomorphic assessments
• Contributing to / leading design and development of construction plans for complex environmental rehabilitation projects in riverine, wetland and estuarine settings
• Writing reports
• Presenting project findings at client meetings and conferences
• Assisting with and sometimes leading proposal development efforts
• Growing client relationships and helping bring in new work
• Contributing to the growth and development of the company and staff

**Desired Skills and Experience:**

- 2+ years of project management experience
- BS in civil or environmental engineering, water resources or closely related field
- MS or PhD in civil engineering, environmental engineering, water resources, hydrology, or fluvial geomorphology is preferred
- Licensed California State professional civil engineer or ability to obtain license via reciprocity (other professional qualifications will be considered)
- Experience with various components of technical studies including fieldwork, analyzing and evaluating data, and preparing reports
- Experience developing, applying, and using hydrologic and hydraulic computer modeling applications, such as HEC-RAS (10 and 2D), HEC-HMS, MIKE 11, MIKE 21, SRH2D, FLO-2D, TUFLOW, and Delft3D
- Programming experience, such as using python or R to analyze geospatial and time series data, is desirable
- Experience with design and drafting efforts and preparation of construction drawings, specifications, cost estimates, and design reports
- Experience assisting with proposal development
- Strong written and verbal communication
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