



JUNIOR ENGINEER

Riverside County Flood Control and Water Conservation District

SALARY RANGE (approximate)

\$24.79 - \$32.33 Hour

\$4,297.51 - \$5,604.58 Monthly

\$51,570.06 - \$67,254.93 Annually

CLASS CONCEPT:

Under close supervision, to do the less complex office and field professional engineering work; and to do other work as required.

This is the entry level professional engineering series. Incumbents receive office and field assignments of a less complex nature on a training basis. They are expected to develop a variety of engineering skills and abilities and are gradually given more difficult and responsible assignments.

REPRESENTATION UNIT: Professional

EXAMPLES OF ESSENTIAL DUTIES:

Depending on the area of assignment, duties may include, but are not limited to, the following)

- * Assists in the design and planning of public works improvements, facilities, and structures by preparing plans, profiles, and cross-sections, making quantity estimates and horizontal and vertical curve alignment computations, and establishing tentative gradelines; computes earthwork, makes hydrologic and traffic flow studies, and designs simple hydraulic structures.
- * Records locations on maps, reduces field notes, and sketches proposed layouts for various installations.
- * Assists in conducting water quality and water rights studies, or air quality and emission modeling oriented studies; may participate in inspections during construction.
- * Tabulates and summarizes statistical data and prepares reports; applies engineering techniques and practices to air and water pollution control problems.

RECRUITING GUIDELINES:

Education: Graduation from a recognized college with a Bachelor's degree in an engineering field; Possession of a valid certificate as an Engineer-in-Training issued by the California State Board of Registration for Professional Engineers may substitute for the required education.

Knowledge of: The principles of physics and mathematics used in engineering and of their application to engineering problems; topographic and construction surveying, stress analysis, analytical mechanics, and strength of materials; engineering economics and real property descriptions.

Ability to: Prepare the less complex public works designs and make accurate drawings and maps; make accurate computations; reduce field notes and make quantity estimates; prepare reports; maintain effective working relationships with others; use and maintain engineering and technical equipment relating to materials testing, and air and water pollution control and abatement.

OTHER REQUIREMENTS:

License/Certificate: Possession of a valid California Driver's License.

TO APPLY: <http://www.co.riverside.ca.us/depts/hr>

CSUF On Campus Interviews 11/7/07 Contact David Garcia at 951.955.1298 or dhgarcia@co.riverside.ca.us