



Bureau of Engineering Wastewater Conveyance Engineering Division

1149 S. BROADWAY
LOS ANGELES, CA 90015

Student Engineer (Class Code 7203)

Salary: \$19.70- \$36.77 per hour

The Student Engineer Program is implemented as a part of the Bureau of Engineering's outreach recruitment effort. The Program introduces selected students to the merits of the Bureau of Engineering before they begin their formal careers. A Student Engineer may participate in any of several engineering fields including civil, structural, hydraulic, sanitary, surveying and material testing. The Student Engineer Program emphasizes the mastery of engineering and architectural skills and critical thinking within a diversified work environment. Specialized work tasks are developed to accomplish these objectives with each student. The program provides students a work experience that creates a successful transition to post graduate employment.

Requirements:

The program limits employment to those students enrolled in a four year college or university pursuing a **civil and/or structural engineering degree**. Students must also have the legal right to work in the United States.

A Student Engineer I must have completed one year of academic training in a school of engineering.

A Student Engineer II must have completed two academic years of training in a school of engineering.

A Student Engineer III must have completed three academic years of training in a school of engineering.

A valid California driver's license and a good driving record are required prior to appointment.

Summary of Duties:

The Student Engineer will under the supervision of a professional Engineer:

- Assist in checking assessment proceedings, plans specification and engineering reports.
- Assist in preparing Computer Aided Design Drafting documents (CADD).
- Provide engineering information over the telephone or at a public counter.
- Prepare calculations involving designs for cut and fill earthwork operations, storm drain and road construction.
- Perform groundwater sampling and monitoring.

- Assist in making engineering studies, surveys, and investigations by compiling and analyzing new and existing data.
- Assist staff in making shop and field inspections of building construction, equipment installation and other works.
- Assist with record keeping and digital data storage assessment, tracking submittals for construction projects, and evaluating status of approved products.
- Coordinate design with structural, mechanical, and electrical engineers.
- Assist, prepare, and/or present presentations to staff on various engineering processes and/or computations.
- Perform field and laboratory tests of concrete aggregates, cement mixes, soil, water, oil, fuel, and other materials requiring chemical and physical analysis.
- Assist with hydraulic modeling preparations and coordination.

Skills, Knowledge, and Abilities Required:

The Bureau is looking for candidates who possess the following skills, knowledge, and abilities including, but not limited to:

- Good knowledge of engineering principles.
- Good knowledge of analytical geometry, differential calculus, physics, principles of chemistry.
- Good knowledge of principles of drafting, structural analysis and engineering economics.
- Good skills in performing investigations, collecting data and materials and performing calculations.
- Ability to analyze and evaluate data.
- Ability to use a personal computer with skill in AutoCADD and other engineering related computer design software.
- Ability to work with minimum supervision.
- Ability to prepare written documents.
- Ability to work multiple assignments within tight deadlines.
- Ability to communicate and work effectively with staff.

How to Apply:

Please submit a resume and cover letter to Eng.Boeresumes@lacity.org. Resumes will be accepted on a continuous basis. As vacancies occur, the most qualified candidates will be contacted for an interview.

This is an exempt, at-will position. The individual appointed to this position will not accrue any civil service tenure, contractual employment rights, or due process rights. The incumbent may be removed, without any finding of cause, by the hiring authority.

The City of Los Angeles is an Equal Employment Opportunity Employer