

## **MECHANICAL ENGINEER I**

### **PURPOSE AND NATURE OF WORK**

Classification's purpose is to train and develop engineering graduates for positions of higher responsibility. Employee of this classification applies knowledge of engineering to well-defined problems and/or assignments chosen to develop a familiarity with the methods and materials of the mechanical engineering field.

Incumbent works under the direction of a registered Professional Engineer and has no supervisory responsibilities. Incumbent primarily works in the Power Production Division of the Department of Utilities.

**ILLUSTRATIVE EXAMPLES OF WORK** (Note: These examples are intended only to illustrate the various types of work performed by incumbents in this class. All of the duties performed by any one incumbent may not be listed, nor does any incumbent necessarily perform all of these duties.)

Reviews maps, diagrams, schematics, and documents to obtain familiarity with relevant facilities of the Lafayette Consolidated Government. Assists in preparation of designs, specifications, and bid packages for construction or renovation projects. Participates in evaluation of bids, contract administration, and preparation of change orders. Ascertains contractor and in-house compliance with applicable standards, codes, or regulations.

Problems are limited in consequence of error or in complexity. Incumbent may be assigned to work with relative independence.

Performs related work as required.

### **NECESSARY KNOWLEDGES, ABILITIES, AND SKILLS**

Knowledge of theory and practices of engineering related to the area of assignment as obtained from an accredited college or university.

Knowledge of computer applications as required by area of assignment.

Ability to identify, obtain, understand and apply applicable codes, regulations or legal standards for construction and renovation of municipal utility or public works facilities.

Ability to read, understand and apply contracts, specifications, change orders, purchasing and funding procedures.

Ability to form and maintain effective working relationships with elected officials, public and employees.

### **NECESSARY QUALIFICATIONS**

Bachelor of Science degree in Mechanical Engineering or equivalent from an accredited college or university, as appropriate to the area of assignment.

### **DESIRABLE QUALIFICATION**

Possession of the Engineer Intern certification by examination, in the State of Louisiana.