

Engineer

Job Title:	Engineer	Company Job Code:	.....
FLSA Status:	.....	Division/Department	.....
EEO Code:	.....	Reports to:	.....
Salary Grade/Band:	.....	Last Revision Date:	.....

SUMMARY

Provide services in Civil, Mechanical, or Chemical engineering. Responsible for entire project cycle to include design, development, and project completion.

PRIMARY RESPONSIBILITIES

1. Prepare engineering analysis of projects to include: preliminary design, calculation, life cycle cost and equipment selection.
2. Conduct surveys to gather field data.
3. Prepare and interpret blueprints, schematic drawings, layouts and other visual aids.
4. Prepare technical construction specifications.
5. Perform Civil engineering duties surrounding the following; public works, buildings, sub-divisions, drainage, traffic, road, airport, tunnel, bridge, water supply, sewage, and environmental systems.
6. Perform Mechanical engineering duties surrounding the following; mechanical devices, components, engines, transportation equipment, environmental control, materials handling, machine tools, robots, automated manufacturing equipment, and power producing machines such as internal combustion engines, steam and gas turbines, and jet and rocket engines.
7. Perform Chemical engineering duties surrounding the following; food, pharmaceuticals, heat transfer and energy conversion, petrochemicals (chemicals made from petroleum or natural gas), or consumer products such as plastics, detergents, paint, and synthetic textiles.
8. Manage construction document printing process.
9. Manage project issues, budgets, and schedules.
10. Review and critique proposed changes to engineering standards, policies, or details.
11. Review development plans for compliance with adopted engineering standards and good engineering practices.
12. Meet with the general public and/or developers, landowners, and interest groups concerning zoning, subdivision projects, building projects, and engineering regulations, standards, or policies.
13. Coordinate the activities of the design and construction teams.
14. Other duties as assigned.

ADDITIONAL RESPONSIBILITIES

1. Provide technical presentations to elected officials, appointed boards/commissions, the public, and staff.

2. Function as chief inspector on engineering projects.
3. Provide on-the-job training to new staff.

KNOWLEDGE AND SKILL REQUIREMENTS

1. Knowledge of applicable federal, state and local building codes and safety laws. Work requires advanced math skills, special relationship abilities, and the ability to understand "abstract" principles behind math and physics. Working knowledge of CAD tools. This is normally acquired through a combination of the completion of a Bachelor's Degree in Civil, Mechanical, or Chemical Engineering and three to five years of engineering experience. Requires registration as a Professional Engineer.
2. Work requires travel to meetings, site visits, and inspections. This requires the possession of a valid state drivers license within 60 days of employment.
3. Work requires willingness to work a flexible schedule.

WORKING CONDITIONS

Working conditions are normal for an office environment. Work requires local travel. Work may require evening and weekend work.

SOURCE: hrVillage.com