



MONTGOMERY COUNTY  
Established Date: Dec 14, 2014  
Revision Date: Dec 16, 2014

## ENGINEER 3

Class Code:  
85513

Bargaining Unit: Non-Bargaining

### SALARY RANGE

\$29.28 - \$35.88 Hourly  
\$60,902.40 - \$74,630.40 Annually

### CLASS CONCEPT:

Full performance level in the professional engineering occupation under direction of a professional engineer, assistant manager, or manager requiring considerable knowledge of the principles and practices of the relevant engineering as a registered professional engineer and the ability to obtain Ohio registration as a professional engineer within 9 months of hire date typically assigned to a specific unit or project in order to provide solutions to engineering problems through the evaluation, selection and application of standard engineering techniques on a variety of engineering projects involving new construction and modifications to existing facilities. Performs the material and substantial duties of the classification more than 50% of the time.

### SUMMARY OF JOB DUTIES:

As a registered professional engineer, plans and prioritizes assigned projects involving new construction and modifications to existing facilities, , design plans for assigned projects, prepares project specification and standard design data, determines required safety and maintenance characteristics of planned facilities to ensure compliance with applicable specifications by conducting on-site project inspection, operates motor vehicle to conduct field visits to construction sites to inspect existing projects and observe progress and contract compliance, checks plans for accuracy and conformance to safety and regulatory requirements, prepares cost estimates and reviews cost estimates prepared by others. Reviews change orders, provides liaison with contractors concerning modifications of plans, processes partial contractor payments, coordinates selection of project consultants and reviews consultants' recommendations. May seal plans as authorized and required.

Assists in the development of policies, guidelines and budgeted expenses relevant to the unit's operations, provides input for the preparation of contracts, counsels contractors and other areas of the county on matters pertinent to the unit, resolves complaints from public on matters originated by the unit, controls quality and standardization of test procedures, reviews and authorizes requisitions and material orders, directs the maintenance of relevant engineering documentation and provides statistical analyses, diagrams, graphs, flow charts, and related information media, provides reports covering progress of projects and costs

incurred, provides technical leadership to assigned lower-level engineers and technicians, supervises entry level engineer as assigned, attends training as assigned.

(Performs Related Duties As Required)

## **MINIMUM QUALIFICATIONS:**

Must hold professional engineer registration in any state or territory of the U.S. Must have current valid driver's license with acceptable driving record. 2 years of the 4 years of experience required to obtain professional engineer registration must be in utilities or construction management field. Must have completed MCES Engineer (E2) training program. -OR alternative, equivalent evidence of the Minimum Class Requirements may be substituted for required training program but not for mandated registration. (Other Evidences May Be Substituted)

## **SUPPLEMENTAL INFORMATION:**

Must obtain professional engineer registration in the State of Ohio within 9 mos. of hire date.  
Must maintain registration

## **MAJOR WORKER CHARACTERISTICS:**

Knowledge of (Registered professional engineer in any state or territory of the U.S.), (Registration in the State of Ohio)\*, 1 (budgeting), 4 (accounting), 5 (management), 6 (labor relations), 7 (manpower planning), 8 (employee training and development), 9b (supervision--direct), 10 (OSHA safety practices)\*, 11a (public relations), 13 (office practices and procedures), 14 (government structure and process)\*, 15 (counseling), 16 (interviewing), 18 (engineering--civil, environmental, utility or construction management), 23 (law--regulatory requirements); Skill in 29 (equipment operation--personal computer, CAD and drafting equipment, motor vehicle); Ability to 30k (understand practical field of study (e.g., engineering), 30l (define problems, collect data, establish facts & draw valid conclusions), 30m (interpret extensive variety of technical material in books, journals & manuals), 30o (understand somewhat abstract field of study (e.g., variety of civil engineering principles, techniques, procedures, criteria, plans, and specifications), 30p (deal with non-verbal symbols in formulas, equations or graphs), 31g (use statistical analysis), 31h (use calculus), 32o (prepare meaningful, concise & accurate reports), 32p (proofread technical materials, recognize errors & make corrections), 32t (write instructions & specifications concerning proper use of machinery), 32w (prepare contracts), 33e (gather, collect data, establish facts, and draw valid engineering/technical conclusions), 34c (cooperate with co-workers on group projects), 34f (handle sensitive inquiries from & contacts with officials & general public), 34i (handle sensitive contacts from general public and government officials, contractors, consultants), (comprehend and interpret variety of civil engineering principles, techniques, procedures, criteria, plans, and specifications), 30r (deal with many variables & determine specific action (e.g., research, production), 32i (complete routine forms), 32j (maintain accurate records), 32m (interview job applicants effectively), 34e (establish friendly atmosphere as supervisor of work unit).  
(\*Developed After Employment)

**UNUSUAL WORKING CONDITIONS:**

May be exposed to variable weather conditions and construction hazards.