

CHEMIST TRAINEE

DISTINGUISHING FEATURES OF THE CLASS: Under close and continuing supervision, this is a training position in a specific chemistry discipline. Incumbents perform beginning level professional chemistry of limited difficulty and responsibility in the applicable chemical discipline. Incumbents conduct preliminary environmental chemistry laboratory examinations, adhering to established standards of proficiency and quality control. An incumbent participates on an "experience only" level in the performance of those examinations. Trainee appointments are for a period of one year. Upon successful completion of the traineeship, incumbents are promoted to Assistant Environmental Chemist (Inorganic) or Assistant Environmental Chemist (Organic) without further examination. Does related work as required.

EXAMPLES OF WORK: (Illustrative Only)

Performs preliminary chemical analyses on water, wastewater or air samples, etc., utilizing prescribed standard chemical or instrumental methods;

Prepares reagents and standards, standardizes reagents;

Prepares standard curves, calculates results, performs statistical analysis of test results, compiles data;

Participates on an experience only basis in proficiency testing programs;

Maintains assigned work areas, instrumentation and equipment in a clean and safe manner and at operational readiness;

Assists primary chemists;

Pursues, under the direction of a senior environmental chemist, a program of study and experience that will enable the incumbent to successfully qualify for the position of assistant chemist;

Uses computer applications or other automated systems such as spreadsheets, word processing, calendar, e-mail and database software in performing work assignments.

May perform other incidental tasks, as needed;

REQUIRED KNOWLEDGE, SKILLS, ABILITIES AND ATTRIBUTES: Good knowledge of general inorganic and organic chemistry, analytical chemistry, instrumental analyses; familiarity with laboratory glassware, equipment and chemicals; familiarity with the use, operation and care of chemical laboratory instrumentation; familiarity with calculus and the mathematics of chemistry; ability to follow oral and written instructions; ability to communicate effectively both orally and in writing; ability to use computer applications such as spreadsheets, word processing, calendar, e-mail and database software; ability to read, write, speak, understand and communicate in English sufficiently to perform the essential tasks of the position; accuracy; thoroughness; dependability; initiative; judgment; integrity; physical condition commensurate with the demands of the position.

MINIMUM ACCEPTABLE TRAINING AND EXPERIENCE: A Bachelor's Degree* in Chemistry, Chemical Engineering or a biological science, which must have included twelve credits in Chemistry.

*SPECIAL NOTE: Education beyond the secondary level must be from an institution recognized or accredited by the Board of Regents of the New York State Education Department as a post-secondary, degree-granting institution.

NOTE: Unless otherwise noted, only experience gained after attaining the minimum education level indicated in the minimum qualifications will be considered in evaluating experience.

West. Co.
J. C.: Competitive
DBB7

Job Class Code: C2201
Job Group: VIII