

gree granted upon the completion of a standard course of engineering instruction in an educational institution of recognized standing or, in absence of such degree, at least four years of additional experience. The completion of each full year of such standard course shall be considered the equivalent of one year of such additional experience.

4. ASSISTANT ENGINEER

Duties: Under specific administrative and technical direction, to be responsible for the conduct of the work of a minor subdivision of an organization; to collect and compile data for specific items of engineering studies; to take immediate charge of field survey projects and of the design and construction of minor engineering work; to lay out and develop work from specifications and to supervise the work of a drafting or computing force; or to conduct specific tests or investigations of apparatus, material, or processes.

Qualifications: Experience for at least two years in duties of Junior Assistant Engineer or their equivalent. Fundamental training equivalent to that represented by professional degree granted upon the completion of a standard course of engineering instruction in an educational institution of recognized standing or, in absence of such degree, at least four years of additional experience. The completion of each full year of such standard course shall be considered the equivalent of one year of such additional experience.

5. JUNIOR ASSISTANT ENGINEER

Duties: Under immediate supervision, to perform work involving the use of surveying, measuring, and drafting instruments; to take charge of parties on survey or construction work; to design details from sketches or specifications; to compute and compile data for reports or records; to inspect or investigate minor details of engineering work; or to perform routine tests of apparatus, material, or processes.

Qualifications: No experience required other than that involved in securing a professional degree upon the completion of a standard course of engineering instruction in an educational institution of recognized standing; but in absence of such degree, a high school education or its equivalent is required and at least four years' experience in the use of surveying, measuring or drafting instruments or the computation and compilation of engineering data, together with evidence of a knowledge of the fundamentals of engineering science sufficient, with further experience to qualify for the higher professional grades. The completion of each full year of such standard course of engineering instruction shall be considered as the equivalent of one year of experience.

SUB-PROFESSIONAL.

6. AID.

Duties: To operate, adjust, and care for surveying instruments and take charge of small parties on survey or construction work; to compute or supervise the computation of surveys, estimates, and data for reports or records; to plot or supervise the plotting of notes and maps and direct the work of a drafting squad; to design details; or to prepare general working drawings where design is furnished; or to inspect or investigate minor details of engineering work.

Qualifications: Experience for two years in the use and care of surveying and drafting instruments; or as rodman, chainman, or levelman; or in tracing, lettering, and drafting; or as recorder or computer. Graduation from or attendance at an engineering school not required, but candidate must have had a high-school education, or its equivalent, and be familiar with the construction, operation, and care of surveying instruments and with the use of the slide rule and logarithmic and other simple computation tables.

7. JUNIOR AID

Duties: To perform miscellaneous subordinate duties in the office or field; to act as rodman, chainman, tapeman, levelman, or recorder; to trace or letter maps and drawings; to alter tracings to agree with work or sketches of work; to make simple drawings or details from sketches or data; or to perform minor computations.

Qualifications: Education equivalent to graduation from high school.